

David P. Poole Senior Vice President – General Counsel

dpoole@rangeresources.com 817-869-4254 817-869-9154 (fax)

May 25, 2011

### Via Electronic Mail and Certified Mail Return Receipt Requested

Ms. Jacqueline Morrison 3LC00 Land and Chemicals Division U.S. EPA, Region III 1650 Arch Street Philadelphia, PA 19103 Email: morrison.jacqueline@epa.gov

## Re: Information Request, Dated May 12, 2011 Request for Information on Marcellus Shale Flowback Water Range Resources Corporation and Range Production Company

Ms. Morrison:

Range Resources Corporation and Range Production Company<sup>1</sup> ("*Range*") are in receipt of the U.S. Environmental Protection Agency's ("*EPA*") above-referenced request for information ("*Request*"). Range understands that EPA is interested in gathering information related to changes in industry practices as a result of the Pennsylvania Department of Environmental Protection's ("*PADEP*") request that natural gas well drilling operators cease delivering wastewater to certain facilities in the state. Range has an exemplary record of compliance with environmental regulations and an even stronger record of voluntary cooperation with environmental regulatory authorities. In keeping with this history, Range willingly responds to EPA's Request with the enclosed information showing the locations and development phases of Range's wells, copies of "26R" forms,<sup>2</sup> descriptions of past disposal and

**Range Resources Corporation** 

<sup>&</sup>lt;sup>1</sup> Range Resources Corporation and Range Production Company are separate legal entities and are referred to herein together as "Range" solely for convenience.

<sup>&</sup>lt;sup>2</sup> Range recycled Marcellus Shale wastewater in 2010, and therefore does not have "26R" forms available for 2010. Range is instead providing EPA with copies of its 2009 "26R" forms.

recycling methods with respect to wastewater<sup>3</sup>, descriptions of Range's use of centralized impoundments for storage or disposal of wastewater, and a description of Range's intentions with regard to disposal, reuse, treatment, recycling, and reclamation of gas extraction wastewater after May 19, 2011.

To the extent that EPA seeks different or additional information from what Range has provided, Range will greet all future requests with the same spirit of cooperation and, consistent with EPA's authority, will voluntarily provide information that Range believes will be helpful to EPA in meeting its properly authorized goals. To that end, Range offers the remainder of this letter to EPA for consideration and to explain Range's view of the authorities cited by EPA as the basis for the Request.

As authority for the Request, EPA cites several statutes, namely section 104(e) of the Comprehensive Environmental Response Compensation and Liability Act ("*CERCLA*"), section 3007(a) of the Resource Conservation and Recovery Act ("*RCRA*"), and section 308 of the Clean Water Act ("*CWA*"). Respectfully, and for the reasons stated below, Range does not understand any of these statutory provisions to empower EPA to seek the requested information from Range. Specifically, Range does not understand any of these statutory provisions to empower EPA to seek the requested information from Range. Specifically, Range does not understand any of these statutory provisions to permit EPA, without first engaging in rulemaking, to seek forward-looking information or to impose an ongoing reporting obligation. While Range agrees to voluntarily submit information responsive to certain requests, including information regarding its future intentions for "disposal, reuse, treatment, recycling, and reclamation of Gas Extraction Wastewater after May 19, 2011," for the reasons stated below Range will not agree to submit quarterly reports to EPA regarding its "waste disposal and recycling practices."<sup>4</sup> Range currently provides this information to the PADEP on a semi-annual basis and, due to the lag time required to obtain and process manifests from Range's third-party contractors, quarterly production to EPA would create a substantial burden and meeting this burden, as requested, is infeasible and duplicative.

<u>CERCLA § 104(e)</u> — EPA's information gathering authority under this provision does not authorize EPA to request forward-looking information or to impose an ongoing *ad hoc* reporting obligation—the provision says so plainly: "[t]he authority of this subsection may be exercised <u>only</u> for the purposes of determining the need for response, or choosing or taking any response action under this subchapter, or otherwise enforcing the provisions of this subchapter." This limitation accords with the legislative purpose of CERCLA as expressed by EPA—to allow EPA to remedy *past* mistakes in hazardous waste management." *See* <u>S. Carolina Dep't of Health and Envtl. Control v. Commerce and Industry Ins. Co.</u>, 372 F.3d 245, 256 n.12 (4th Cir. 2004) (quoting an EPA Orientation Manual). Because the prospective nature of the information requested by

<sup>&</sup>lt;sup>3</sup> The term "wastewater," as used herein, refers to wastewater generated by Range's Marcellus Shale activities.

<sup>&</sup>lt;sup>4</sup> Attachment A details Range's response to each of EPA's information requests.

EPA in Requests 4 and 5 is not related to CERCLA's legislative purpose, those portions of the Request are not reasonable pursuant to EPA's grant of authority under CERCLA. See United States v. Pretty Products, Inc., 780 F. Supp. 1488, 1506 (S.D. Ohio 1991) (stating that an EPA information request will be enforced by a district court only if the information requested is "relevant to legislative purposes"). Additionally, a necessary predicate for the invocation of Section 104(e) information request authority is that there be a release or threatened release of hazardous substances or pollutants or contaminants that present an imminent and substantial danger to public health or welfare, subject to CERCLA enforcement authority. 42 U.S.C. § 9604(e)(1). The Request, which purports to seek information concerning all "wells owned or operated by you in EPA Region III" irrespective of whether there has been a release or threatened release of hazardous substances or pollutants or contaminants that presents an imminent and substantial danger at such facilities, exceeds EPA's Section 104(e) authority. Moreover, the "subchapter" referred to in § 104(e)(1) is Subchapter 1 of 42 U.S.C. Chapter 103, comprising 42 U.S.C. §§ 9601-9628, relating to the response to releases and threatened releases. Section 104(e) does not authorize use of the information request procedures contained in Section 104(e)(2) for other purposes, such as investigating compliance with other federal, state or local environmental laws or regulations.

- <u>RCRA § 3007</u> This provision requires entities handling *hazardous waste* to furnish information to EPA upon request. RCRA § 3001(b)(2)(A) delineates the steps EPA must follow to identify and list hazardous wastes, and precludes the classification of "drilling fluids, produced waters, and other wastes associated with the exploration, development, or production of . . . natural gas" as hazardous waste. 42 U.S.C. § 6921(b)(2)(A). EPA has reexamined this exemption and concluded that wastes produced in connection with gas exploration, development, and production should continue to <u>not</u> be regulated as hazardous waste under RCRA. 53 Fed. Reg. 25,446 (July 6, 1988). Because EPA's request asks for information on waste that is not regulated as hazardous waste for RCRA purposes, RCRA § 3007 does not authorize EPA to request or obtain the information.
- <u>CWA § 308</u> As authorized by the Clean Water Act, the National Pollutant Discharge Elimination System ("*NPDES*") permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. EPA's authority under Section 308 of the CWA is limited to requesting certain information from the "owner or operator of *any point source*." 33 U.S.C. § 1318(a)(A) (emphasis added). The Request does not present any claim or evidence that the wells owned or operated by Range are a "point source" subject to regulation under the CWA.<sup>5</sup> Absent evidence that specific well facilities are point sources within the purview of the CWA, Section 308 does not authorize the Request. Additionally, at this time, Pennsylvania is an NPDES

<sup>&</sup>lt;sup>5</sup> Moreover, with limited exceptions, none of which Range believes are applicable in this instance, Section 402(1)(2) exempts from regulation under the CWA discharges of stormwater from oil and gas exploration, production, processing or treatment operations or transmission facilities. 42 U.S.C. § 1342(1)(2).

state, meaning that delegable NPDES functions are being implemented by PADEP, but Pennsylvania does not have an approved state pretreatment program. Accordingly, EPA serves as the Approval Authority for Pennsylvania's pretreatment program, but not for other aspects of the NPDES program. EPA accurately quotes CWA § 308 but its stated basis does not comport with the information requested. As explained by EPA in its letter, PADEP's request that natural gas well drilling operators cease delivering wastewater to 15 facilities in Pennsylvania triggered EPA's interest "in gathering information related to changes in industry practices that may be related to this development." However, the CWA does not authorize EPA to seek information on a whim or out of curiosity and EPA's stated basis is not logically connected to its statutory authority, which is limited to investigating actual or threatened discharges and "development of new effluent limits or pretreatment standards and to determine whether parties are in violation of existing effluent limits or pretreatment standards." Moreover, data provided to PADEP on a semi-annual basis for years prior responds to the requested information. The burden of producing duplicative historical information to EPA is great; it is incumbent on EPA to obtain such information from the state agency to which it has delegated the NPDES program functions. Furthermore, EPA seeks to arbitrarily change the frequency of reporting, i.e. semi-annually to quarterly, and the burden created far outweighs any discernable benefit to the Agency.

Accordingly, the scope of the Request is not authorized by the statutory provisions cited by EPA. Moreover, the Request purports to impose binding obligations on Range and purports to subject it to penalties for noncompliance. The Request, then, is akin to a legislative rule that imposes obligations and significantly affects private interests-implicating notice-and-comment procedures that EPA has yet to satisfy. See, e.g., U.S. Telecom Ass'n v. F.C.C., 400 F.3d 29, 34-35 (D.C. Cir. 2005); Batterton v. Marshall, 648 F.2d 694, 701-02 (D.C. Cir. 1980). As stated previously, EPA seeks to arbitrarily change the frequency of reporting, i.e. semi-annually to quarterly. EPA cannot engage in *ad hoc* rulemaking, and until EPA follows administrative rulemaking procedures, it cannot impose an ongoing reporting obligation on Range pursuant to the statutory provisions cited. See Reuters Limited v. F.C.C., 781 F.2d 946, 950-51 (D.C. Cir. 1986) ("[I]t is elementary that an agency must adhere to its own rules and regulations. Ad hoc departures from those rules, even to achieve laudable aims, cannot be sanctioned, for therein lie the seeds of destruction of the orderliness and predictability which are the hallmarks of lawful administrative action. Simply stated, rules are rules, and fidelity to the rules which have been properly promulgated, consistent with applicable statutory requirements, is required of those to whom Congress has entrusted the regulatory missions of modern life.") (internal citation omitted).

Although it is Range's position that EPA's reliance on the provisions it cites as giving it authority to make the Request is misplaced, Range desires to cooperate with EPA and, in that spirit, offers EPA the responsive information enclosed. Additionally, if, after the date of this response, Range discovers additional similar information or documents Range will promptly May 25, 2011 Page 5

supplement its response. Range objects, however, to EPA's attempt to use an information request to obtain forward-looking information and to impose an ongoing reporting obligation without first satisfying administrative rulemaking procedures. If EPA desires, Range is open to discussing further EPA's interpretation of its authority to compel different or additional responses to the Request pursuant to the above-referenced statutory provisions. Any replies or correspondence related to this response should be directed to David P. Poole, General Counsel, Range Production Company, 100 Throckmorton Street, Suite 1200, Fort Worth, Texas 76102, or faxed to 817.869.4254, attention David Poole.

Sincerely,

David P. Poole

Enclosures

# ATTACHMENT A

### Range's Response to EPA's Request for Information <u>Regarding Marcellus Shale Flowback Water</u>

1. Provide a list identifying each state permitted Well that you own or operate in EPA Region III and include the latitude and longitude for each Well and identify whether each well is actively being drilled, is completed, or is producing natural gas.

### **<u>RESPONSE</u>**:

See Attachment B.

2. Provide all Pennsylvania "26R" forms completed and submitted to the Commonwealth of Pennsylvania for all Gas Extraction Wastewaters associated with your Wells for the calendar year 2010, including complete Chemical Analysis Attachments associated with each.

### **<u>RESPONSE</u>**:

See attachment C. Please note that, because Range recycled Marcellus Shale wastewater in 2010, and therefore does not have "26R" forms available for 2010, Range is instead providing EPA with copies of its 2009 "26R" forms.

3. For the period of April 19, 2011 to present, identify your Gas Extraction Wastewater management activities, including disposal, reuse, treatment, recycling, and reclamation for your Wells. In doing so, provide the following:

**3.a.** For each Well, the actual or estimated amount of Gas Extraction Wastewater generated;

## **<u>RESPONSE</u>**:

For the reasons stated in the attached letter, Range respectfully declines to respond to Request 3.a.

**3.b.** For each facility that has received your Gas Extraction Wastewater, including but not limited to, underground injection wells, wastewater treatment plants, and recycling facilities, provide the name and address for each such facility, the name and address of any entity that transported your Gas Extraction Wastewater to each facility, and the volume (in gallons) of such Gas Extraction Wastewater sent to each such facility;

## **<u>RESPONSE</u>**:

For the reasons stated in the attached letter, Range respectfully declines to respond to Request 3.b.

## **3.c.** The total volume (in gallons) of Gas Extraction wastewater that you treated and recycled or caused to be treated or recycled for all your Well sites;

## **<u>RESPONSE</u>**:

For the reasons stated in the attached letter, Range respectfully declines to respond to Request 3.c.

## **3.d.** A description of the method or methods by which you or any third party recyclers recycled such Gas Extraction Wastewater (April 19, 2011 to present);

## **Response**:

Range Resources classifies its water types consistent with the designations utilized by the Pennsylvania Department of Environmental Protection ("*PADEP*") in its semi-annual reporting Oil and Gas Annual Production System. These classifications are: Brine, Drilling, and Frac Fluid. Brine includes water collected from a well that is producing natural gas to sales. Drilling water is any water generated during drilling activities; this designation may include, but is not limited to, stormwater runoff from drilling pads, water collected in reserve pits, and residual water from recycling of water-based drilling mud. Each of these classifications of water is handled differently, and the way that each is handled depends in part on the geographic location of operations: either Northern Marcellus (North-Central Pennsylvania) or Southern Marcellus (Southwestern Pennsylvania).

## Northern Marcellus

Currently all Brine, Drilling, and Frac Fluid waters are being collected on location and transported to Eureka Resources, LLC; a third-party owned and operated advanced treatment facility operating under PADEP General Permit WMGR119, PADEP Plan Approval 41-00079A, and Permit No. C-20 issued by the Williamsport Sanitary Authority under its EPA regulated industrial pretreatment program. The facility processes the water through equalization, primary clarification, metals precipitation, sand filtration, and mechanical vapor recompression/distillation. The condensed, distilled water is discharged to the local municipal authority while the concentrated brine is transported to injection wells in Ohio.

## Southern Marcellus

Brine is collected on a daily basis from actively producing gas wells. Range is currently recycling approximately half of this volume of water. The water is recycled by transferring it to one of Range Resources' PADEP permitted reuse water impoundments. Before being transferred into the reuse water impoundments it is either filtered through a bag filtration system or cycled through a bank of weir tanks to remove any residual solids that may be present. The remaining volume of brine that is not recycled is transported directly from the well sites to injection wells in Ohio for disposal.

Stormwater runoff collected from constructed locations prior to the commencement of drilling operations is recycled by filtering it through a bag filtration system and transferring it to one of Range's PADEP permitted reuse water impoundments where it is stored for reuse. Water collected after the commencement of drilling operations is recycled by filtering it through a bag filtration system and transferring it to a third-party owned and operated PADEP permitted centralized treatment facility. The centralized treatment facility processes the water through equalization, metals precipitation, clarification, and multi-media filtration. The water is stored for reuse.

Water is also generated from drilling operations by the water-based mud recycling process. Water generated from this process is recycled by filtering it through a bag filtration system and transferring it to a third-party owned and operated PADEP permitted centralized treatment facility. The centralized treatment facility processes the water through equalization, metals precipitation, clarification, and multi-media filtration. The water is then transferred to one of Range Resources' PADEP permitted reuse water impoundments where it is stored for reuse.

Water produced through well completions operations is recycled by filtering it through a bag filtration system and transferring it to one of Range Resources' PADEP permitted reuse water impoundments where it is stored for reuse.

## **3.e.** All modified disposal plans that you submitted after April 19, 2011 to the Commonwealth pursuant to the Pennsylvania Code Title 52 Section 78.55;

## **<u>RESPONSE</u>**:

Range is not currently required to submit a modified disposal plan to the Commonwealth and, as of the date of this response, has not submitted such a plan.

## **3.f.** Describe your use of pits, lagoons, impoundments or other land based units used for the storage or disposal of such Gas Extraction Wastewater associated with your gas extraction activities.

## **<u>RESPONSE</u>**:

Range Resources utilizes reuse water impoundments constructed and permitted under PA Code Chapter 78.56 – 78.63 and the *Design, Construction and Maintenance Standards for Pits and Dam Embankments Associated with Impoundments for Oil and Gas Wells* to facilitate our reuse program in our Southern Marcellus operating area. Reuse water sources are segregated and treated, as described above, and then stored in our reuse water impoundments until utilized for well completion operations.

### Attachment A

3.g. Provide the latitude and longitude for all pits, lagoons, impoundments or other land based units used for the storage of Gas Extraction Wastewater associated with your gas extraction activities.

#### **RESPONSE:**

	Location						
Water Reuse Impoundments	Latitude	Longitude					
	40°13'53.21"N	80°16'24.75"W					
	40°12'25.2''N	80°22'5.16"W					
Contraction of the second seco	40°19'39.94"N	80°17'46.73"W					
	40°7'22.67."N	80°13'1.14"W					
	40°12'18.83"N	80°24'57.69"W					
2	40°14'42'29''N*	80°20'58.94"W					
F	40°18'1.46"N	80°13'48.40"W					
	40°5'26.722N	.80°13'35.14"W					

4. Identify your intentions for disposal, reuse, treatment, recycling, and reclamation of Gas Extraction Wastewater after May 19, 2011, include your expected methods and location for disposal, treatment or recycling during calendar year 2011. Provide the expected percentage of your Gas Extraction Wastewater by disposal, treatment, or recycling method.

#### **RESPONSE:**

Prior to May 19, 2011 Range Resources utilized an established water recycling program, as described above, that eliminated water disposal through "conventional" surface discharge treatment facilities. Instead, all water was disposed of via either injection wells or Eureka Resources, LLC, which utilizes an advanced thermal distillation process to produce distilled water for discharge to the local municipal authority.

Range Resources intends to continue utilizing our existing approach and methodologies to water recycling as described above, with the exception of implementing a recycling program in our Northern Marcellus operations. This program will consist of transferring a percentage of Brine, Drilling, and Frac Fluid water from the locations at which they are produced directly to completions operations for reuse. The remaining percentage of Brine, Drilling, and Frac Fluid water will be transferred to Eureka Resources for treatment and disposal.

Upon implementation of our recycling program, we anticipate the below distribution of water recycling versus disposal for the remainder of calendar year 2011:

- 4 -

	Recycle	Disposal	
Water	Percentage	Percentage	<b>Disposal Location</b>
Frac Fluid	99%	1%	Eureka Resources, LLC
			OH Injection Wells and Eureka
Brine	50%	50%	Resources
Drilling	91%	9%	Eureka Resources, LLC

5. Submit quarterly reports to EPA on your waste disposal and recycling practices commencing on July 1, 2011 and continuing on a quarterly basis thereafter until June 30, 2012, for a total of four (4) quarters. Such quarterly reports shall include the following information for the prior quarter:

**5.a.** For each Well, the actual or estimated volume (in gallons) of Gas Extraction Wastewater generated;

## **<u>RESPONSE</u>**:

For the reasons stated in the attached letter, Range respectfully declines to respond to Request 5.a.

5.b. For each facility that has received your Gas Extraction Wastewater, including but not limited to, underground injection wells, wastewater treatment plants, and recycling facilities, provide the name and address for each such facility, the name and address of any entity that transported your Gas Extraction Wastewater to each facility, and the volume (in gallons) of such Gas Extraction Wastewater sent to each such facility;

### **<u>RESPONSE</u>**:

For the reasons stated in the attached letter, Range respectfully declines to respond to Request 5.b.

## 5.c. The total volume (in gallons) of Gas Extraction Wastewater that you or any third parties treated and recycled or caused to be treated or recycled for all your Well sites;

## **RESPONSE**:

For the reasons stated in the attached letter, Range respectfully declines to respond to Request 5.c.

## 5.d. A description of the method or methods by which you or any third party recyclers recycled such Gas Extraction Wastewater;

## **RESPONSE**:

For the reasons stated in the attached letter, Range respectfully declines to respond to Request 5.d.

## 5.e. Describe your use of pits, lagoons, impoundments, or other land-based units for the storage or disposal of such Gas Extraction Wastewater for your gas extraction activities.

## **<u>RESPONSE</u>**:

For the reasons stated in the attached letter, Range respectfully declines to respond to Request 5.e.

5.f. Provide the latitude and longitude for all pits, lagoons, impoundments or other land based units used for the storage of gas Extraction wastewater associated with your gas extraction activities.

## **<u>RESPONSE</u>**:

For the reasons stated in the attached letter, Range respectfully declines to respond to Request 5.f.

6. Identify any and all discharges or releases of any substances, wastes, and/or Gas Extraction Wastewater from facilities that contain Wells that you own or operate and all media (air, water, or land) that were affected by such discharges or releases and the estimated quantities of all substances discharged or released for the past five (5) years.

## **<u>Response</u>:**

For the reasons stated in the attached letter, Range respectfully declines to respond to Request No. 6. Additionally, Range objects to Request No. 6 because the request is vague, overbroad in scope, and, accordingly, is not authorized by law. The request uses a series of undefined and ambiguous terms, such as "discharge," "release," "any substances," and "all media." The request could be read to require the disclosure of the release of anything (*e.g.*, fresh water, stormwater runoff), anywhere (*e.g.*, steam and water evaporation), for the last five years. In referring to "any substances," the request exceeds EPA's authority under CERCLA, the CWA, and RCRA, which respectively refer only to hazardous substances, pollutants, and hazardous waste. As such, the request is beyond the scope of EPA's authority to seek information related to the actual and/or threatened release of hazardous substances or the release of contaminants or pollutants that may pose an imminent hazard, information related to point sources, or information related to hazardous waste activities.

## **ATTACHMENT B**

----

¢.

## Well List Info for EPA Reporting

Attachment B

D	•
M	*
NGE	RESOURCES

Well Name	ARL#왕 연고	, Orig Spud Date	Latitude (DMS)	Longitude (DMS)	Date	Type 1
t 1H	37-125-23932	1/20/2010	40°17'27.7" N	I 80°14' 52" W	10/1/2010	Turn On Production Date
ALC: NOT	37-125-23933	1/21/2010	40°17'27.7" N	80° 14" 52 3" W	10/1/2010	Turn On Production Date
AN OWNER	137-125-22366	3/15/2007	40° 17' 16 6" N	80°18'51" W	9/29/2010	Plug & Abandon Date
The second s	37.125.29447	2/5/2007	1019 340847 04199" N	10 80218: 36 086" W	4/10/2007	Turn On Production Date
	27 125 22921	0/20/2007	40°17' 20 60 0" N	00°10' 42 402" \/	2/5/2009	Ture On Broduction Date
CONTRACTOR DESIGNATION	07 105 0200	5/20/2007	40 17 25.05 5 N	1 00 10 43.402 VV	2/3/2000	rum on Production Date
OUT THE SECOND	3/-123-24299		1.40.00 N	00 10 8.57 VV	3/16/2011	Suspend Operations Date
whead Hunting Club Unit 2	37-035-21123	10/13/2008	41°14'48.206" N	77°28' 28.592" W	8/6/2010	Plug & Ab andon Date
where Fighting Gubs Unit 3HU:	37-035-21204	8/7/2010	15 . 41°14' 47.82" N	77°28'28,98" W	9/23/2010	TD Date
and the second se	37-125-23730	6/27/2009	40° 13' 49 .7" N	80°16' 39.7" W	6/12/2010	Turn On Production Date
	37-125-23731	6/27/2009	40°18'50.1" N	80°16'39.6" W	6/12/2010	Turn On Production Dat e
	37-125-23732	6/28/2009	40°13' 50 .3" N	80° 16' 39.6" W	6/12/2010	Turn On Production Dat e
	37 125-23785	7/21/2009	40°13'50.5" N	80°16)39.6" W	8/26/2010	Turn On Production Date
and the second	37-125-23733	6/28/2009	40°13'50 5" N	80°16'39 7" W	8/26/2010	Turn On Production Date
·····································	37 125 23734	6/28/2000	17 CH 40 12 50 3" N	11 80°H6 30 7" W	8/26/2010	Tum On Production Date
	37 125 23786	7/21/2000	40°13'50 1" N	80°16' 30 7" W/	6/12/2010	Turn On Production Date
A MARINE STREET	07 405 00707	7/202000	40 13 30.1 N	00 10 39.7 W	0/12/2010	This Or Dealer Date
	07.405.00474	112312003	40 13 4978 N	00.10 09.14 W	7/44/2010	rum on Production Dat e
	37-125-234/1	12/30/2008	40 4 49 N	80 1 3 21.2 VV	1/14/2009	Plug & Abandon Date
<b>这一个人,</b> 他们的问题。他们的	37-125-23280	2/2//2009	40° 16' 13' N	80° 18, 30.8. W	(/31/2009	Lum On Production Date
HE IS A CONTRACT	37-125-23591	4/9/2009	40°16' 13.1 " N	80°18'31" W	7/29/2009	Turn On Production Date
and the second	37-125-23609	5/28/2009	40°6' 59 .9" N	80° 13' 42,1" W	2/15/2010	Turn On Production Date
	37-125-23153	5/17/2008	40°7' 0. 098" N	80°13' 42.208" W	12/17/2009	Turn On Production-Date
<b>这些一个这个学生的</b> 。	37-125-23156	4/30/2009a -	40°7' 0.2" N	*80°13' 42.1" W	12/22/2009	Tum On Production Dat e
	37-125-23160	5/23/2008	40°12'24.998" N	80°22' 3" W	10/18/2009	Turn On Production Date
	37-125-23159	6/15/2008	40°12'24.90'1".N	80°2242.798".W	10/5/2009	Turn On Production Date
	37-125-24022	4/21/2010	40°12'24 47 " N	80°22' 1 78" W	2/11/2011	Completions Date
(10) [15] · · · · · · · · · · · · · · · · · · ·	27 125 22021	XID1/2010	10 12 24.47 N	803201 1 61 W	5/47/2014	Completione Date
a second s	27 125 24100	4/20/2010	40°12'24.40 N	90°22' 1 02" W	0/01/2011	Completions Date
AND THE REAL PROPERTY OF THE ACTION	07-120-24103	4/20/2010	40 12 24.01 IN	00 22 1.55 VV	0101/0041	Completions Date
<b>新闻:"我没能找这些问</b> 。	37-120-24020	4/20/2010	40 12 24 52 IN	00 2201.975 VV		completions pate
	37-125-24110	4/23/2010	40°12'24.53" N	80°22'1.56" W	2/14/2011	Completions Date
<b>这些人的问题,</b> 这些人的问题。	3/-125-24111	4/23/2010	40° 12' 24' N	80°22'1.74".W	2/21/2011	Completions Date
	37-123-43847	8/16/2007	41°46' 19.884" N	79°27 ' 43.2" W	11/27/2007	Turn On Production Date
	37-125-23277	10/28/2008	40 13 58 102" N	80°20'17.7",W	9/10/2009	Turn On Production Date
	37-125-23283	11/6/2008	40°13' 58.001" N	8 0° 20' 17:498" W	10/2/2009	Turn On Production Date
<b>新闻的新闻的"</b> 但你们不是	37-125-23282	11/3/2008	40°13'58.001" N	8 0°20' 17 3".W	9/10/2009	Turn On Production Date
A STATE OF THE OWNER	37-125-23284	10/29/2008	40°13'-58.001" N	80°20' 17.099" W	5/17/2009	TD Date
	37-125-23370	11/30/2008	340°13'58" N	80° 20' 17" W	9/10/2009	Turn On Production Date
	37-125-23368	11/13/2008	40° 13' 58" N	80° 20' 16.5" W	9/10/2009	Turn On Production Date
13月1日月1日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日	37-125-23369	11/30/2008	40 13 58 155 N	80°20' 15:526" W	9/10/2009	Tum On Production Date
	37-125-24099	5/9/2010	40°7' 51.35" N	80°11' 16.62" W	4/2/2011	TD Date
	37 125 24100	5/10/2010	40°7" 51"46" N	80°11'17 18" W	8/31/2010	Stispend Onerations Date
	37,125,24006	5/0/2010		80°11' 16 68" W	10/5/2010	Suspend Operations Date
CONTRACTOR DESCRIPTION OF THE OWNER	97 125 210007	51100010	CONSIGNATION OF THE REAL	00 11 10.00 W	2/02/2010	Diperations Date
	07 405 04400	5/10/2010	40971 E4 EEN N	0.0944147.26" W	2/42/2014	TD Date:
The second s	37-123-24120	5/15/2010	40 / 01.00 N	00 11 17.30 VV	5/12/2011	TD Date
A STATE OF A STATE AND A STATE AS	37-125-24129	5/13/2010	40-7-151.05 N	80 11 17:31: W	0/1/20115	Resume Operations Date
	37-125-24098	5/9/2010	40°7' 51.25" N	80°11°16.39° W	4/20/2011	ID Date
<b>建建设在18</b> 人们的工具	37-125-24058	5/8/2010			4/12/2011	ID Date
	37-125-24130	5/10/2010	40°7' 51.48" N	8 0° 11' 16.84" W	4/29/2011 i	ID Date
and the second	37-125-24239		40°0'0" N	80°0⊭0" W	3/23/2011	Suspend Operations Date
and the second second	37-125-24232	1/10/2011	40°13' 33.89" N	80°22'45.62" W	1/26/2011	Suspend Operations Date
A CONTRACTOR OF	37-125-24233	1711/2011	40°13' 33,93" N	80°22:45.51" W	2/17/2011	Suspend Operations Date
	37-125-24252	1/11/2011	40°13' 34.06" N	80°22' 45.74" W	3/11/2011	Suspend Operations Date
BIG TO A STATE	37-125-24327	1/11/2011	40°13' 34.23" N	80°22' 45:86" W	3/21/2011	Suspend Operations Date
	37-125-24234	1/11/2011	40°13' 34 11" N	80°22' 45.63" W	3/2/2011	Suspend Operations Date
A STATE OF A	37 125 24235	STATES AND AND A	20°0' 0" N		3/23/2011	Suspend Operations Date
	37-125-24236	3/22/2011			4/21/2011	Suspend Operations Data
and the second se	07 405 0/007	0/44/00/44	109401 04 60" M		4/2 1/2011	Suspend Operations Date
and the second	07 105 04000	2/12/2014	40°421 24 501 M	90°00' 40 44" W	4/7/2014	Suspend Operations Date
and the second	37-125-24230	3/12/2011	40 13 34.56 N	60 22 40.11 VV	4/7/2011	Suspend Operations Date
	37-083-51038	10/13/2006	41.45°18.9" N	1.0124 41.6 W	1/24/2007	Lum On Production Date
t Mountain Hunting Club 1	37-081-20056	7/23/2007	41°22' 36.367" N	77°8' 13.794" W \$	x/8/2008	Shut-In Dat e
	87+125-23173	8/18/2008	40° 13' 34.8".N	80°,3 0',59,3" W	3/26/2011	Plug & Abandon Date
	37-125-23174	5/31/2008	40° 13' 34.9" N	80° 30' 59.3" W	5/1/2009	Turn On Production Date
<b>一日,一日,一日,</b>	37-125-22709	7/9/2007	40°16'50" N	* 3 80°22 48.7" W	1/18/2008	Turn On Production Date-
The second	37-125-22258	1/20/2006	40°18'24" N	80° 19' 5.4" W	10/9/2006	Turn On Production Date
	37-125-22237	5/1/2006	40°18' 39.7" N	80° 19'33.5" W	10/25/2006	Turn On Production Date
Aloton com		the second s	Рапе 1/8	A REAL PROPERTY AND A REAL		Report Printed: 5/22/2011
RENTINGUIL						

# NGE RESOURCES

## Well List Info for EPA Reporting

Attachment B

Well Norme	AP(#	Orig Spud Date	Latinude (DMS)	Longilide (DMS)	Date	Type 1
	37-125-22499	8/9/2007	40°18' 19.8" N	80" 19' 34.7" W	10/2/2007	Turn On Production Date
·····································	37-125-22500	2/23/2007	40" 18' 6.84" N	80 " 19' 17.183" W	4/25/2007	Turn On Production Date
	37-125-24011	3/11/2010	40°12'38.6" N	80°21' 10" W	2/13/2011	Turn On Production Date
a second second second	37-125-23970	3/12/2010	40" 12' 38.7" N	80°21' 10.2" W	2/23/2011	Turn On Production Date
The second s	37-125-23971	3/12/2010	40° 12' 38.5" N	80"21' 10.2" W	2/22/2011	Turn On Production Date
A CONTRACTOR OF	37-125-23864	3/10/2010	40"12"38 3" N	80"21"10 1" W	2/20/2011	Turn On Production Data
AND DESCRIPTION OF A PROPERTY	37-125-23972	3/12/2010	40" 12' 38 4" N	80°21' 10" W	2/19/2011	Turn On Production Date
MASCH TROUTING CONTROL	37-125-24013	3/12/2010	40"12"38 2" N	80°21' 10" W	2/18/2011	Turn On Production Date
A VERYNAR ADDREN Y	37.425.23905	3/12/2010	40" 12' 38 9" N	80"21' 10 3" W	0/17/2011	Turn On Production Date
CONTRACTOR AND ADDRESS OF A DRIVEN	37. 155.03008	3/11/2010	20112/08 OF M	80121 10 12 10	0/15/0011	Tum On Production Date
ALL	37 125 24012	2/11/2010	40*12 30 7* N	80*21' 10 1* W	0/13/2011	Tum On Production Date
an install Service the Local	37-123-24012	143747/2010	40 12 00.7 M	00 21 10.1 W	ANARODOR	Turn Con Production Date
and the second	07 405 000CA	120000	40 00 01	00122 10.9 W	10/10/2000	Tom On Production Date
12 2 10 1 4 10 Martine 1	37-123-22204	3/3/2000	40 15 50.4 14	00 21 00.4 W	10/10/2000	Turn On Production Date
16月19日1日1日1月1日日1日	37-125-22205	4/1/1/2000	40 10 13 44 14	80 22 AU.352 W	DF1/12007	Turn On Production Date
The second	37-125-22440	1/1/1/2007	40°15'40.32" N	80°22'38.88' W	4/3/2007	Turn On Production Date
。 一個的。 上的時間。 自己的一個的。 目的	3/-125-22431	1[31/2007	40716 15:37 N	80°21°49,4° W	\$129/2007	Turn On Production Dafe
	37-125-22434	2/12/2007	40"15"57.7" N	80°21°32.6° W	4/5/2007	Turn On Production Date
A A BALLANDER	37-125-22638	6/21/2007	40"15"43.1" N	80°22°18.3° W	3/19/2011	Plug & Abandon Date
	37-125-22508	1/8/2007	40"15" 3.4" N	80°19'28.3" W	4/6/2007	Turn On Production Date
	37-125-22509	2/16/2007	40"15" 11 9" N	80" 19' 7" W	4/12/2007	Turn On Production Date
	37-125-22724	7/24/2007	40"14'54.2" N	80° 19' 43.6" W	6/19/2008	Turn On Production Date
and the second se	37 125 22725	6/30/2008	40°14'54.2" N	80°19'43.4" W	12/17/2009	Plug & Abandon Date
	37-125-22726	7/21/2007	40°15'25.054" N	80° 19' 56.826" W	10/19/2007	Turn On Production Date
and the second	34-029-21656	11/19/2007	.40°49' 34:391" N	80* 40' 3.755' W	11/19/2007	Spud Date
	37-125-22636	9/25/2007	40° 18' 52.05 2" N	80° 19' 16.724" W	11/17/2007	Turn On Production Date
	37-125-23803	9/4/2009	40" 16' 0:4" N	80°21' 17.2" W	5/5/2010	Turn On Production Date
	37-125-23804	9/3/2009	40" 16' 0.6" N	80°21' 17.2" W	5/5/2010	Turn On Production Date
。 一般的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個的時期, 一個	37-125-23023	2/26/2008	40*19 48.3* N	8'0" 16' 55. 1" W	1/13/2010	Turn On Production Date
	37-125-23304	1/22/2009	40*19'48.207" N	80" 16' 54.997" W	3/12/2010	Turn On Production Date
	37 125-23693	10/27/2009	40°19 41 2" N	80° 17' 46" W	5/21/2010	Turn On Production Date
	37-125-23780	10/28/2009	40° 19' 41.1" N	80° 17' 45.4' W	5/20/2010	Turn On Production Date
	3/-125-23781	10/28/2009	40*19'41 1* N	80*17*45.8" W	5/21/2010	Turrr On Production Date
	37-125-23782	10/28/2009	40° 19' 41.1" N	80°17'45.6" W	5/19/2010	Turn On Production Date
S Breek County Park 14H	37-125-23165	6/20/2008	40" 14' 47 9" N	80*22 53.3*W	6/2/2009	Turn On Production Date
s Creek County Park 15H	37-125-23182	6/28/2008	40* 14' 47.9* N	80°22' 53.5° W	5/1/2009	Turn On Producti on Date
s Creek Eounty Park 16H	37-125-23300	2/27/2009	40" 14' 47 9" N	80°22'53.1" W	6/19/2009	Turn On Product ion Date
s Creek County Park 25H	37-125-23859	10/29/2009	40*15' 39.8* N	80*25' 27.5" W	4/15/2010	Turn On Production Date
s Greek County Park 5	37 125 22618	5/24/2007	40"15'2.5" N	80*22' 43.7* W	6/23/2007	Turn On Production Date.
s Creek County Park 6H	37-125-22830	7/15/2008	40" 15' 46.1" N	80°23' 17.8" W	3/30/2009	Turn On Producti on Date
S Creek County Park 7H	37-125-22861	7/22/2008	40* 15 39 2* N	80°23'27" W	4/14/2010	Turn On Production Date
s Creek County Park 8H	37-125-22793	7/2/2008	40°1 5' 46.1" N	80°23' 17.6" W	3/30/2009	Turn On Production Date
s Creek County Park 9H	37 125 22668	7/13/2008	40* 15' 39.6* N	80°23°27.2°W	4/14/2010	Turn On Producti on Date
1	34-081-20487	12/7/2007	40° 19' 4.751" N	80*36' 58.066" W	12/12/2007	TD Date
1999年間には1999年の1999年	37-125-23185	1/14/2009	40"7"21.4" N	80*1 2'58.1*W	5/20/2010	Tum On Production Date
	37-125-23205	9/2/2008	40°7'21.5" N	80°12 ' 57.9" W	5/22/2010	Turn On Production Date
政治的自己的法律性的法律性	37-125-23796	8/5/2009	40"7"21.8" N	80°12 ' 57 3" W	5/21/2010	Turn On Production Date
Children to the second second	37-125-23828	9/18/2009	40"7" 21.9" N	80°1 2' 57.3" W	5/20/2010	Turn On Production Date
	37-125-23795	7/15/2009	40"7"21,7" N	80*1 2' 57.4" W	5/22/2010	Turn On Production Date
	37-125-23829	8/17/2009	40"7" 21.6" N	80°1 2' 57.7" W	5/22/2010	Turn On Production Date
· · · · · · · · · · · · · · · · · · ·	37-125-23794	8/4/2009	40"7"21.5" N	80°12 * 57.6° W	5/20/2010	Tum On Production Date
	37-125-23797	7/16/2009	40*7 21* N	80°12' 57.5" W	5/20/2010	Turn On Production Date
SATES CONTRACTOR	37-125-24207	7/21/2010	40°4'32.92 "N	80° 14' 44 52" W	3/12/2011	TD Date
	37-125-24046	7/20/2010	40*4' 33" N	80° 14' 44.4" W	3/19/2011	TD Date
开始表达这些公开的	37-125-24175	7/21/2010	40"4" 32 77 " N	80° 14' 44.69" W	3/3/2011	TD Date
	37-125-24045	7/21/2010	40"4" 33.2" N	80° 14' 44.2" W	2/21/2011	TD Date
	37-125-22088	6/18/2005	40° 16' 47 028." N	80"17' 33.575" W	3/21/2006	Turn On Production Date
	37-125-22238	8/21/2006	40°17' 4" N	80 * 17' 31.5* W	12/13/2007	Turn On Production Date
	37-125-22629	6/6/2007	40"16 44" N	80 * 17" 49.8* W	7/20/2007	Turn On Production Date
Run Hunting Club Unit 1H	37-081-20219	6/9/2010	41" 19" 58.82" N	77°17'29.37" W	3/20/2011	Completions D ate
Run Hunting Club Unit 2H	37-081-20220	7/8/2010	41 19 58.6" N	77° 17' 29 3" W	3/27/2011	Completions Date
Run Hunting Club Unit 3H	37-081-20329	9/27/2010	41* 19' 58.43" N	77"17'29.24" W	3/26/2011	Completions Date
CONTRACTOR OF THE RECTION OF	37-125-23888	1/4/2010	40*19*13.1* N	80"18" 8.4" W	4/19/2011	Turn On Production Date
Starter the distriction	37-125-23889	1/4/2010	40"19' 13.3" N	80° 18' 8.3" W	4/19/2011	Turn On Production Date
200 thromain the	37-125-25853	12/29/2009	40"19 13.4" N	80"18 8.2"W	4/21/2011	Turn On Production Date
the second s				and the second	Lury	

## Well List Info for EPA Reporting

.

Attachment B

## ANGE RESOURCES

Well Name	API 8	Orig Sped Date	Latitude (DMS)	Longitude (DNIS) Date	Type I access Type I access to
STATES AND	37-125-23890	1/4/2010	1 40°19'13.6" N	80°18'8" W 4/25/2011	Turn On Production Date
	37-125-23891	1/4/2010	40° 19' 13' N	80 18 8 W 4/26/2011	Turn On Production Date
WELLINGTON STOR	37-125-23829	1/4/2010	40°19'13./"N	50"15"7.8" W 4/26/2011	Turn On Production Date
MARKEN ME DEROFTER CONS.	37-125-23095	6/16/2010	40 19 13 N	00 10 0.3 VE A/29/2011	Turn On Production Date
AND STREET ASSOCIATE	37.015.20002	0/10/2010	40 19 13 2 N	76130 36 072" W 1/1/00/08	Tamporatik Abased at Date
Cardena and the second second	37-125-23008	4/10/2008	40"14' 37 7 " N	80° 16' 45 9" W 2/1/2009	Turn On Production Date
一时合电站200分点。	37-125-28130	4/12/2008	40" 14' 37 7 * N	80°15'45" W 2/1/2009	Lum On Production Date
	137-125-22720	2/5/2008	40° 15' 15 1" N	80" 19' 15 7" W 2/6/2008	Suspend Operations Data
and the second se	37-125-22721	7/17/2008	40115 15 1" N	80° 19' 16" W 2/1/2009	Turn On Production Date
	137-125-22722	7/23/2008	40°15' 15.1" N	80° 19' 16.2" W 12/8/2009	Plug & Abandon Date
	37-125-22723	8/11/2007	40°15' 15" N	80° 19' 16.4" W 12/4/2007	Turn On Production Date
	37-125-23697	7/16/2009	40*17'0.7*N	80°13'38.4" W 0/6/2010	Turn On Production Date
<b>一种性性的的</b> 这种话。	37-125-23643	7/18/2009	40° 17' 0.7" N	80"13' 38'6" W 3/4/2010	Turn On Production Date
	37-125-23637	7/17/2009	40° 17' 0.6" N	8 0* 13' 38.4" W B/4/2010	Turn On Production Date
<b>一位</b> 国际的运行中间,但是	37-125-23638	7/20/2009	40"17'07'N	80°13'38.2" W 374/2010	Tum On Production Date
G	37-125-23759	7/20/2009	40*17*0.8* N	80° 13' 38.2" W 3/5/2010	(Turn On Production Date
	37-125-22317	7/15/2006	40*15'46.3" N	80° 19' 51.1' W 12/19/200	Turn On Production Date
	34-067-20376		40°24' 52.668" N	80° 59' 58. 055" W 1/1/2008	TD Date
	37-125-23908	3/29/2010	40*18'21" N	80* 14' 0.03* W 6/8/2010	Suspend Operations Date
there are the second	37-125-23994	3/26/2010	40" 18' 20.9" N	80 * 14 0.02" W 577/2010	Suspend Operations Date
D. S. Charles and	37-125-23909	3/29/2010	40°18'20.7" N	80 *14 0:02 W 6/3/2010	Suspend Operations Date
	37-125-24165	7/8/2010	40°3' 48,09" N	80"12" 15:49" W 4/30/2011	Completions Date
	37-125-24164	7/9/2010	40°3' 48.02" N	80" 12" 15:25" W 4/29/2011	Completions Date
Cardena and Andreas	37-125-23196	8/12/2008	40°11' 46.2" N	80°21°6.5° W 10/30/2009	Turn On Production Date
And the second se	37-125-23979	7/1/2010	40 11 45 5 N	80-21-6.5 W 4/1//2011	Tum On Production Date
and the second se	37-125-24029	1/1/2010	40°11°46.9° N	80 21 6.3 W 4/21/2011	I um On Production Date
KATLAKOVIOW Estates Unit 1011	37-125-24200	1/14/2011	40 8 28 39 N	80 15 42 21 W 1/14/2011	Suspend Operations Data
Kin Lakeview Estates Unit 111	37-125-24201	0/20/11	40 0 20.55 N	60 13 42.04 W 0/1/2011	Suspend Operations Date
His Lakeview Estates Linit 13H	37.125.24221	1/5/2011	40"9" 4 25" N	80° 15' 10 06" W 1/21/2011	Suspend O perations Date
Find Lakeview Catales Ont 1311	37,125,24139	9/28/2010	40"9" 4 45" N	80*15'9 6" W 9/6/2011	Suspend Operations Date
klin Lakeview Estates Unit 15H	37-125-24138	9/29/2010	40°9'4.5" N I	80°15'9 35" W 11/3/2010	Suspend Op erations Date
klin Lakeview Estates Unit 1H	37-125-24198	1/13/2011	40*8' 28.02" N	80° 15' 42:45" W 8/26/2011	Suspend Operations Date
klin Lakeview Estates Unit 2H	37-125-24199	1/14/2011	40*8' 28.47" N	80° 15' 41.95" W 4/20/2011	Suspend Operations Date
klin Lakeview Estates Unit 3H	37-125-24307	1/14/2011	40"8' 28.32" N	80*15 42 12 W 4/8/2011	Suspend Q perations Date
klin Lakeview Estates Unit 4H	37-125-23948	6/10/2010	40*9'4.3*N	80°15' 10.1" W 2/16/2011	Suspend Ope rations Date
kim Lakeview Estates Unit 5H	37-125-23946	6711/2010	40"9" 4.4" N	80°15'9.8"W 1/31/2011	Suspend Oper ations Date
klin Lakevlew Estates Unit 6H	37-125-23939	6/9/2010	40°9'4.3" N	80° 15' 10.3" W 1/28/2011	Suspend Oper ations Date
Rin Lakeview Estates Unit 7H	37-125-24322	1/14/2011	40"8" 28.17" N	80°15'42.29' W 3/14/2011	Suspend Operations Date
	37-081-20535	4/5/2011	41° 17' 46.34" N	77*13' 14.23" W 4/15/2011	Resume Operations D ate
iral Refractories 5	37-051-21294	10/1/2007	40°5 3 529" N	79*42*32.519*W 10/31/2007	Fum On Production Date
and a state	37-081-20164	3/2/2010	41*18'8.3" N	77 *18' 24.8" W 2/20/2011	Turn On Production Date
	37-081-20156	3/26/2010	41"18"8.2" N	77°18°24.6° W 2/16/2011	Turn On Production Date
	37-081-20150	3/27/2010	41*18' 8.2" N	77°18'24.3" W 2/16/2011	Turn On Production Date
the Calendar Frank	37-081-20151	3/27/2010	41*18'8.1*N	7.7*18'24.1" W 2/16/2011	Turn On Production Date
	37-081-20215	3/2/2010	41*18'7.9" N	77*18'24" W 2/16/2011	Turn On Production Date
	37-125-23100	5/23/2008	40"14' 38.5" N	8 0" 18' 34.5" W 11/14/2008	Turn On Production Date
and the second sec	37-125-23898	11/12/2009	40"14" 38.2" N	80° 18' 34.8" W 4/21/2010	ID Date
and the second second	37-125-23899	11/11/2009	40° 14' 38.2" N	80°18'34.7' W 3/24/2010	ID Oate
and a line of the second second second	37-125-23900	1	40"14"38" N	80°18'34.8 "W 11/12/2005	Suspend Operations Date
1997年1月1日日本市政会	37-125-23935	11/12/2009	40"14"38" N	80 18 35 W 6/2//2010	Turn On Production Dele
Provincial States and	37-125-23901	111/11/2009	40° 14° 37.9° N	80 18 35.1 W 6/2//2010	Tum On Production Date
因可以且自己的问题	37-125-20870	12/16/2009	40" 14 24 8" N	80 27 52 5 W M/5/2010	Furn On Production Date
and the second second second	31-123-230/0	12/10/2009	40 14 24.0 N	00 21 32.1 VV 8/0/2010	Dive & Abortica Date
上。11月1日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日	37-120-2301/	12/19/2009	4014 244 N	00 27 03 T W 1/25/2010	Frug & Abangon Date
	37-125-22390	112/2009	40"14 25.4" N	00 21 51.4 VV B/4/2009	Turn On Production Date
	37 125-23870	12/14/2009	40"14"24.4" N	80127 53.41 W 8/5/2010	Turn On Production Date
	37-125-238/1	12/14/2009	40 14 24.5 N	00 21 52.9 W 8/5/2010	Turn On Production Date
THE REPORT OF A DESCRIPTION OF A DESCRIP	37.027.24620	112/17/2010	40 14 29.5 N	77* 54' 30 5* 4/4/1/2014	Completions Date
USA 40H	37-027-21029	0/10/2010	41 3 2.2 N	77 54 50.5 W 4/11/2011	Toro On Oradialian Call
THE REPORT OF A DESCRIPTION OF A	the second se	CONTRACTOR AND A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR AND A	4 L U ZO 141 (V)	1 J J J J J J J J J J J J J J J J J J J	TUID ON FIDOUCIUN Date
USA 9	37-125-22212	1/8/2007	40° 16' 33 1" MI	80" 18' 28 4" W 0/20/2010	Plug & Abandon Date
	37-125-22212	1/8/2007	40° 16' 33.1" N   40° 16' 26 4" N	80° 18' 28.4" W 9/30/2010 80° 19' 8 1° W 9/30/2010	Plug & Abandon Date

## 

## Well List Info for EPA Reporting

Attachment B

Wei Name	API#	Orig Soud Date	EaStude (DMS)	Longitude (DMS)	Dale	Type 1
A STATE OF THE CONTRACT OF A DAMAGE OF THE OWNER OWNER OF THE OWNER	137-125-22261	112/5/2005	40"16"21.8" N	80 ° 18' 51 8" W	8/3/2006	Turn On Production Date
CONTRACTOR AND	147 106 00080	DISEIDORE	CONTRACTOR OF STATIST	00 540 44 45 14	dinomate.	File a R AL ST WEST FREE
<b>主任</b> 任何的任何不会在1000年代的主义。	31-123-22239	22012000	40 10 59 2 N	80 18 11.4 VV	3/20/2011	Plug & Abandon Date
	37-125-22300	5/2/2007	40" 16' 20.7" N j	80* 18' 48.3* W	2/23/2008	Turn On Production Date
	37 125-22639	5/29/2007	40"16' 20 6" N	80 "18" 31 9" W	8/19/2007	Turn On Production Date
A PARTY AND A PART	27 060 24709	9/16/2000	20" 49' E4 E" N	POPOLAC ATIM	10/00/0010	Turn On Preduction Date
The second s	31.033-24130	0/10/2000	33 40 54.5 14	000 10.4 VV	12/20/2010	num on Production Date
	37-059-24661	4/29/2008	39"48" 54.6" N	8 0° 0' 16.4" W	11/16/2010	Turn On Production Date
	37-081-20292	2/12/2011	41"14'22.14" N	76°40' 19.19" W	3/15/2011	Suspend Operations Date
The second s	37.120.25074	0/29/2008	40*0'32 3* N	79"12"7 4" W	12/3/2008	Shut In Date
and the second second second	07 405 00 514	1010 DOOT		000427 50 60144	12/3/2000	Condense card
	37-125-224/1	3/6/2007	40-17-44.3 N	80-17-53.6 W	A/1//2007	Turn On Production Date
- 化酸盐酸盐酸盐 电子的 化子能	37-125-22472	3/19/2007	40"17 54.8" N	80" 17" 31.7" W	5/17/2007	Turn On Production Date
10	37-125-22882	9/13/2007	40*17'56.6" NI	80° 17' 48 4" W	2/29/2008	Ifum On Production Date
A REAL PROPERTY OF A REAL PROPER	1012 (PDS 010000	AMINA	AT AT AT AT AT AT A DE AT AT	009 741 67 3+ W	DODDA4	TO DOLLAR BURNERS OF BERTHING
10 CT - 1	376120-20323	HOIZOID	40 3 3 3 14	QU 24 01 2 14	0/20/2011	ID Data
	37-125-24000	5/3/2010	40-9-5.3-N	80°24° 57.1° W	3/31/2011	TD Date
·····································	37-125-24001	4/16/2010	40"9 5.1" N	80°24' 57" W	3/11/2011	TD Date
and the second se	37-125-24002	4/15/2010	40*9' 4 9" N	80°24' 56 9" W	1/25/2011	ITO Date
WHEN WITH	27 405 22022	4450040	A STATE OF ANT OF ALL O	DOPON'ED OF MA	070044	The Date in Street and Street as card
	STETZSTESGEL	14152010	1. A.	00-24 50.0 **	anzun	ILO DAIO
	37-125-23921	4/15/2010	40-9 4.5 N	80*24 56.9 W	2/18/2011	TD Date
「「「「「」」	37-125-23920	4/15/2010	40*9' 4.5" N	80"24' 56.9" W	4/6/2011	TO Date
Additional dates	37-125-23919	4/16/2010	40"9' 4 9" N	80°24' 57 1" W	3/2/2011	TD Date
CONCEPTION OF THE OWNER	27 126 24002	5/2/2010	AND 5 TEN	00* 24' 67 1* W	11000011	TO Day
	37-123-24003	19/3/2010	40 9 9 1 14	80 24 37 T W	1/10/2011	ID Date
	37-125-23690	5/15/2009	40" 14' 55 " N	80° 15' 47.6" W	12/15/2009	Turn On Production Date
Manifester	37 125 23032	4/23/2008	40* 14' 54 .9" N	80° 15' 48.2" W	12/15/2009	Fum On Production Date
and a first of the second	37 125-23735	8/5/2009	40" 14' 55" N	80°15' 47.4" W	12/15/2009	Turn On Production Data
CARRENT & CORLAND AND AND AND AND AND AND AND AND AND	07 120 20700	Elapingh	CONTRACTOR AND A CONTRACTOR	dhe are an or set	10/02/0000	Home of Alexandra Street
A CONTRACTOR OF STREET	31-1X2-13091	OVIDIZOUS	40 14 00 14	00 13 46 2 VV	1212012009	I um On Production Date
	37-125-23822	8/20/2009	40° 14' 55 .1" N	80° 15' 47.4" W	12/15/2009	Turn On Production Date
	37-125-23692	5/16/2009	40°14'55 * N	80° 15' 47.8" W	12/15/2009	Turn On Production Date
	37-059-24131	4/10/2007	39"48' 15 51" N	79°58 ' 7 011" W	10/12/2007	Turn On Production Date
THE REPORT OF THE PARTY OF THE	AR APA AT265	A STOREST	THE REAL PROPERTY OF	Contraction of the second	214 0 2000	HOLD AL PROTECTION DATA
The state of the state of the	37-059-24562	1/28/2008	09 40 30.4 N	19 30 3.5 W	111042008	Fun on Production Date
	37-125-23328	12/16/2008	40*10' 23.5" N	80°3' 11" W	5/29/2009	Shut-In Date
<b>动设设订定的</b> 例子	37 125 23934	1/19/2010	40*10' 25.5" N	80*3*10 8* W	10/2/2010	Shut-In Date
2010 COLORADO	37-125-24026	3/30/2010	40° 10' 25 09" N	80"3' 10 84" W	10/5/2010	Shut In Data
Contraction of the local division of the loc	AT DE DOLLT	0400000	10 10 20.00 11	000000000000000000000000000000000000000	2252000	Print On Dealer Print Pr
	31-125-23151	6/10/2008	40 14 39.6 N	80 19 17.4 W	3/3/2009	Front On Production Date
	37-125-23158	6/21/2008	40°14' 35.5° N	80° 19' 17.5° W	3/3/2009	Turn On Production Date
Supra Contractor	37-125-24337	3/12/2011	40*23* 5.55* N	80°16'41" W	3/13/2011	Suspend Operations Date
and the second se	37-125-24171	3/12/2011	40"23" 5 55" N	80*16'41 95" W	3/13/2011	Suspend Operations Date
10000-0000-0000-0000-0000-0000-00000-0000	AN ADDING TO DO	61205642	AND DE CARA	000 421 440 141	SIZONAL	Marcalada evolutives a strategy
And the second	31-129-29338	312/2011	40 23 5.54 N	00 10 41 W	3/13/2011	puspend Operations Date
	37-125-24173	3/12/2011	40°23' 5.54" N	80°16' 40.92" W	3/13/2011	Suspend Operations Date
· · · · · · · · · · · · · · · · · · ·	37-125-24196	3/12/2011	40"23 5.65" N	80*16'41.95" W	4/6/2011	Suspend Operations Diate
and the second second second second	37-125-24107	3/11/2011	40°23' 5 65" N	80° 16' 41 69" W	4/15/2011	Suspend Operations Date
and the second se	07-120-24107	ST DOOLA	AU 20 0.00 M	10 10 41.00 M	TA'STONE TANTING	Home a for the second s
	3/-125-241.04	3/13/2011	40 23 5.64 N	80 16 41.43 W	3/14/2011	Suspend Operations Date
	37-059-24935	1/22/2009	39*49'23" N	80°1'21.6" W )	8/5/2009	Shut-In Date
网络周期地名历史北方雷斯	37-125-23158	12/14/2008	39*49' 50 .7" N	80°1'23.9" W I	6/5/2009	Shut-in Date
and the second se	37-125-24017	6/29/2010	40"3" 58 59" N	79*56' 47 94" W	3/1/2011	Completions Date
the second s	17-120-24017	012012010	10 0 00.00 11	70450140 401 141	ala mba a	Completions Date
	37-125-24120	6/29/2010	40-3 58.50 N	79 56 48 19 W	3/1/2011	Completions Date
H	37-125-23861	11/19/2009	40" 16' 33" N	80°14'22.3" W	9/19/2010	Turn On Production Date
THE WAY AND A DESCRIPTION OF THE PARTY OF TH	37-125-23860	11/19/2009	40* 16' 33 2" N	80° 14' 22.3" W	19/2010	Turn On Product ion Date
A CONTRACTOR OF	17-125-22758	8/13/2007	40°16'37 5" N	80° 14' 24 9" W	12/31/2008	Turn On Production Data
	17 406 00074	O/18/2007	40140105 4841	0014412 0014	Dige mana	Time On Dis divides of Date
and the second	01-120-22014	ar 10/2007	40 10 35.1 1	00 14 6.2 W	10/20/2008	Tuch On Floducaon Date
	37-125-22752	12/16/2007	40" 17" 0.7" N	80*13' 39.3" W	12/16/2008	Turn On Production Date
20075-000 C	37-125-23040	3/28/2008	40*16'37.6" N	80"14'24.7" W	1/18/2008	Turn On Producti on Date
allow the same	17.125.23041	4/10/2008	40*16' 37 6" N	80° 14' 24 5" W	11/2/2008	(Turn On Production Date
	1-120-20041	411012000	HO TO ST.O IN	14 24.0 H	100000	N IN CONTROLLED IN DALE
	37-125-24113	1/15/2011	40°1° 46.19° N	80 12 51.44 W	9/6/2011	Suspend Operations Date
	37-125-24114	1/15/2011	40°1' 46.03" N	80° 12' 51.29" W (	3/26/2011	Suspend Operation s Date
0.0500530/10.51	7-125-24297	1/15/2011	40*1' 45.7* N	80° 12' 50.99" W	2/15/2011	Suspend Operations Date:
ADDARCY COURSE	7 105 04115	2/47/2014	40" 4" 48 09" N	00*17 51 10* W	1/10/2011	Surpend Operation + Data
	1-120-24110	arraite	40 T 40.00 N	00 12 01.10 W	13/2011	property operation's Date
· 我们不是真的。	1/-125-24118	3/18/2011	40"1" 45.92" N	80°12 51.03°W	4/28/2011	Suspend Operation's Date
	37-125-24117	3/18/2011	40°1' 45.6" N	80° 12' 50.74" W	4/30/2011	Resume Operations Date
The second s	7-125-24118	1/14/2011	4011 45 86" MI	80"12'51 14" W	2/28/2011	Suspend Operation = Data
HERE AND STREET AND	1 405 00074	441400000	401 40.00 14	0010010 70101	10/14/00/00	Property operations bate
	5/-125-232/4	11/10/2008	40-12-20.1" N	60.25.9.7" W	12/14/2009	rum On Production Date
	125-23275	12/12/2008	40°12'19.9"N	80°25' 9.6" W	1/23/2009	Turn On Production Date
and the second se	37-125-23640	4/4/2009	40"12' 35 3" N	80 *25' 55.1" W	2/15/2009	Turn On Production Date
SUMMERSON STREET	7-106-03674	1/3/2000 - The h	40*12 10 KKO* N	909 25) O 1239 W	11/20/20/00	Tim Ob Production Date
Rept Steller Charles	1-120-20044	HOILDUB	40 12 18.009 N	00 25 9.05 W	1/20/2009	For Floodedon Date
IS IS IS	07-125-23641	4/3/2009	40°12'20.109" N	80°25' 9.571" W	1/18/2009	rum On Production Date
Hard See Solid Street See 3	7-125-23642	5/22/2009	40° 12' 20.3" N	80°25' 9.6" W	1/17/2009	Turn On Production Date
the second s	an anna an	A DOWNER WAR	A Party of the owner of the	the state of the second second second	Contraction of the local day	And in the second s

j)

## Well List Info for EPA Reporting

Attachment B

# 

Shi 125 23386         607/2004         401/418 38 °H         607/2010/07 N/0 / 2010/71	Well Name	APLA	Orig Spud Date	Latilude (DMS)	Longitude (DMS)	Dala	Laverage in Type 1 and the second	
31         15         15         162         20200         40° 149 36 ° N         80° 27 30 ° M         202000         Turn On Production Date           37         152         228 2006         41° 149 36 ° N         80° 27 30 ° M         207000         Turn On Production Date           37         152         228 2006         41° 148 57 N         80° 27 30 ° M         207000         Turn On Production Date           37         152         228 2006         41° 148 57 N         80° 27 46 ° M         100° 10° 70° 200° 10°         100° 70° 70° 70° 70° 70° 70° 70° 70° 70°	in the second second	37-125-23308	6/2/2009	40*14' 38.9" N	80° 20' 30.9" W	2/4/2010	Turn On Production Date	
37-125-2389         61/2009         4071473.87         87-27-337         W 142010         Time On Production Date (17):25-2370           37-125-23705         61/32009         4071473.87         807273.07         W 14/000         Time On Production Date (17):25-24728           37-125-23705         7/25-23705         7/27011         4071745.87         807273.07         W 14/000         Time On Production Date (17):25-24728           37-125-24728         7/26/2011         407177.67.11         807176.87         80727.45         W 14/000         Time On Production Date (17):127-24328           37-125-24728         7/26/2011         407177.67.11         807176.24         W 14/000         Time On Production Date (17):127-241.58         W 14/000         W 14/000         Wander On Production Date (17):127-241.59         W 14/000         W 14/000         W 14/000         W 14/000         Wander On Production Date (17):127-241.59         W 14/000         W 14/0000         W 14/0000         W	自我是自己最高级的问题。	37-125-23367	6/2/2009	40*14 38 9* N	80° 20' 30,7* W	2/4/2010	Tom On Production Date	
avg. 27.128.2888         bit 27.0009         cit 27.39.5 W B1127209         cit 27.39.5 W B1127209         cit 27.39.5 W B1127209         cit 27.49.5 W 27.001         cit 27.011         cit 27.012         cit 27.012         cit 27.012 <thci 27.002<="" th="">         cit 27.012         cit 27.012</thci>	Steam And Annual State	37-125-23696	6/8/2009	40*14' 38 9" N	80° 20' 30 5" W	2/4/2010	Turn On Production Date	
97-125-2378         41/2020         47/17 63 8*N         67/27 30,7*W (24/201)         Curr 0: The Pockation Date           37-125-2438         17/20201         40*17 63 8*N         67/22 45.5*W (34/2011)         Suggend Operations Date           37-125-2432         17/20201         40*17 76 9*N         87/22 45.5*W (34/2011)         Suggend Operations Date           37-125-24323         17/20201         40*17 75 7*N         87<124 6.5*W (34/2011)	CONTRACTOR OF THE OWNER OF	27 175 27000	6/12/0000	40 14 00.0 N	90 200 30 55 W	8110/2000	TO Data State of the	
Dir Lieberger         Dir 2000         Dir Hill         Dir 2017	A REAL PROPERTY AND A REAL	107 405 00705	6/13/2003	40914 00 OF N	00 100 20 JU	0/10/2005	Turn On Deaduation Only	
2/12/23/23/2       0/24/07       40/17/30/47       8/2/2/43/97       8/2/2/43/97       Suspend Ciperation Date         37/22/23/23/23/23/23/23/23/23/23/23/23/23/	An and a state of the	37-125-23703	0/13/2009	40 14 30.0 N	00 20 30.7 W	2/4/2010	Turn On Production Date	
37-125-2428         1/2/2/011         4011/7 68.84* N         8072/44.64* V         94/2/011         Suspend Operations Date           37-125-2428         1/2/2/2011         40117 57 (FPN         8672/46.85* V         92/2/2011         Suspend Operations Date           37-125-2428         1/2/2/2011         40117 57 (FPN         8672/46.85* V         92/2/2011         Suspend Operations Date           37-125-2428         1/2/2/2011         40117 57 (FPN         86724         44.85* V         92/2/2011         Suspend Operations Date           47-127-23427         1/2/2/2011         40117 81 (FPN         86724         44.17* V         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2012         1/1/2/2012         1/1/2/2012         1/1/2/2011         1/1/2/2011         1/1/2/2011         1/1/2/2012         1/1/2/2012         1/1/2/2010         1/1/2/2010         1/1/2/2010         1/1/2/2010         1/1/2/2010         1/1/2/2010         1/1/2/2010         1/1/2/2010         1/1/2/2010         1/1/2/2010         1/1/2/2010         1/1/2/2		37-125-22637	6/(1200/	40° T7 55.3" N	80"22 43.9" W	11/10/2008	Furr On Production Date	
37:125-3423         1/2/2/011         40117.64.8* N         60:224.65* V         3/2/2/2011         Suspend Operation Date           37:125-2432         1/2/2011         40177.67* N         80:24.65* V         Suspend Operation Date           37:125-2432         1/2/2011         40177.67* N         80:24.62* V         Suspend Operation Date           37:125-2432         1/2/2011         40172.67* N         80:24.62* V         Suspend Operation Date           37:125-2432         1/2/2011         4116*18.4*         7*17.4.3* V         V/10/2011         To Date           VMIAU Hunting Club D1         37:252-2000         40114*18*18.4*         7*17.4.4.3* V         V/10/2011         To Date           37:125-2368         97:2058         4014*18*18.4*         7*17.4.4.3* V         V/10/2001         Tum On Production Date           37:125-2368         97:2058         4014*12*3.3* N         80*29*0.5* W         Tum On Production Date           37:125-2378         97:2000         401*12*3.3* N         80*29*0.5* W         Tum On Production Date           37:125-2378         97:2000         401*12*3.3* N         80*29*0.5* W         Tum On Production Date           37:125-24284         41/2/2011         401*12*3.3* N         80*39*0.5* W         H/10/2010         Tum On Production Date		37-125-24328	1/26/2011	40°17' 56.94" N	80°22' 46.45" W	B/4/2011	Suspend Operations Date	
37-125-2423         1/26/011         40/17, 67, 71 of N         80/2 46.25         W 377, 67, 71         Supend Operations Date           37-125-2425         1/27/2011         40/17, 67, 71 of N         80/2 46.25         W 2/24/2011         Supend Operations Date           37-125-2425         1/27/2011         40/17, 67, 71 of N         80/2 44.27         W 2/24/2011         TD Date           6 Valuet Houring Club 114         37-125-2425         1/27/2011         40/17 63, 35 N         80/14 14.47         1/17/2011 </td <td></td> <td>37-125-24326</td> <td>1/26/2011</td> <td>40°17'56.88" N</td> <td>80°22'46.55" W</td> <td>3/21/2011</td> <td>Suspend Operations Date</td>		37-125-24326	1/26/2011	40°17'56.88" N	80°22'46.55" W	3/21/2011	Suspend Operations Date	
ST: 179: 4284         1/27/2011         40'17 56.97         80'27 46.82' W 277/2011         Superiol Operations Date           Wahut Huning Club 50H         37: 128: 3280         27/27/208         40'17 56.97         80'12 44.87' W 277/2011         Unr On Production Date           Wahut Huning Club 50H         37: 428: 3280         17/27/2014         41'16 18.6' N         77'1 78.34'N W 17/2011         TD Date           Wahut Huning Club 51H         37: 428: 3280         17/2011         41'16 18.6' N         77'1 78.34'N W 17/2011         TD Date           Wahut Huning Club 51H         37: 428: 3280         17/2011         40'15' 35'N         00'22 4.5'' W 27/2008         Turn On Production Date           Yahut Huning Club 51H         37: 428: 2480         17/2010         40'15' 35'N         80'28'0 40'Y 17/2010         Turn On Production Date           Yahut Huning Club 51H         37: 428: 248         17/2010         40'12' 53.4''N         80'28'0 40'Y 17/2010         Turn On Production Date           Yahut Huning Club 51H         37: 428: 248         17/2010         40'12' 53.5''N         80'17'8'0'Y 17/2010         Turn On Production Date           Yahut Huning Club 51H         37: 428: 4'N 17/2010         40'12' 53.5''N         80'18'8'0'Y 11/2000         Turn On Production Date           Yahut Huning Club 51         37: 428: 4'N 17/2011         40'12'S 35.		37-125-24323	1/26/2011	40°17' 57.19" N	80°22' 46.88" W	3/27/2011	Suspend Operations Date	
37         127         227         127 <th127< th=""> <th127< th=""> <th127< th=""></th127<></th127<></th127<>	是有相关的影响的自己	37-125-24324	1/27/2011	40°17'57.1" N	80°2' 46.62" W	3/11/2011	Suspend Operations Date	
evaluat         Expression         2272030         49112 4031         9114 147.9         910 141 147.9         100 mon-proceeding base           e Wainut Hunting Club 314         37.681.2031         11/20311         4116 18.6 /n         77.174.34.13 /W 4282011         TD Date           e Wainut Hunting Club 314         37.681.20316         11/22011         4116 18.6 /n         77.174.34.13 /W 4282011         TD Date           e Wainut Hunting Club 314         37.681.20316         11/22011         40116 3.5 /n         80.22 /L 45 /W 216/2008         Tum On Production Date           37.125.23086         17/2003         40116 3.5 /n         80.22 /L 45 /W 216/2008         Tum On Production Date           37.125.23084         17/2010         40116 3.5 /n         80.12 /L 40 /W 11/2001         Tum On Production Date           37.125.23084         17/28 /24 /R 2006         40118 2.7 /n         80.12 /L 40 /W 11/2001         Tum On Production Date           37.125.2488         17/28 /24 /W 11/2001         40118 3.7 /n         80.12 /L 40 /W 11/2001         Tum On Production Date           37.125.2488         11/27 /R 41 /W 11/2001         40118 1.6 /r /n         80119 3.8 /r /W 11/2001         Tum On Production Date           37.125.2488         11/27 /R 41 /W 11/2001         40118 1.6 /r /N         80119 3.8 /r /W 11/2001         Tum On Production Date		37-125-24325	1/27/2011	40° 17' 56.79" N	80*22' 46 29" W	2/24/2011	Suspend Operations Date	
a Manar Huning Cub 104 17-081-20317 1420011 41118 18 d*N 7717 43.54*W 417011 10 Date Willing Huning Cub 91 37,061-20316 317/2011 41118 18 d*N 7717 44.15*W 4282011 10 Date 212001 12201 122011 41118 18 d*N 771 44.15*W 4282011 10 Date 212001 12201 122011 122011 41118 18 d*N 771 44.15*W 4282011 10 Date 212001 12201 12201 122011 122011 40112 33.5*N 80722 4.5*W 1702006 Turn On Production Date 21712 23169 57720 14114 45.05 04*W 172000 Turn On Production Date 21712 23418 7772010 40112 33.4*N 8012 50.4*W 172000 Turn On Production Date 21712 23418 7772010 40112 53.4*N 8012 50.4*W 172000 Turn On Production Date 21712 23418 7772010 40112 53.4*N 8012 50.4*W 172000 Turn On Production Date 21712 23418 7772010 40112 53.4*N 8011 577.*W 1472000 Turn On Production Date 2172 23418 7772010 40112 53.4*N 8011 577.*W 1472000 Turn On Production Date 21708 100134 7772010 40112 53.4*N 8011 577.*W 1472000 Turn On Production Date 21708 100134 7772010 40112 577.*W 1472000 Turn On Production Date 21708 100134 7772010 40112 577.*W 1472000 Turn On Production Date 21708 100134 7772011 40118 15.77*N 80119 33.2*W 17202011 Suspend Operations Date 21708 100134 7772011 40118 15.6*N 80119 33.2*W 17202011 Suspend Operations Date 21712 52.2828 4182011 40118 15.7*N 80119 33.2*W 17202011 Suspend Operations Date 21712 52.2828 4182011 40118 15.6*N 80119 33.2*W 17202011 Suspend Operations Date 21712 52.2828 4182011 40118 15.6*N 80119 33.2*W 17202011 Suspend Operations Date 21712 52.2828 4182011 40118 15.6*N 80119 33.2*W 17202011 Suspend Operations Date 21712 52.2888 4772011 40118 15.6*N 80119 33.4*W 17202011 Suspend Operations Date 21712 52.2888 4772011 40118 15.6*N 80119 33.4*W 17202011 Suspend Operations Date 21712 52.2888 4772010 40112 55.5*N 80118 54.2*W 11720100 Turn On Production Date 21712 52.2888 472000 40112 55.5*N 80118 54.2*W 11720100 Turn On Production Date 21712 52.2888 472000 40112 55.5*N 80118 52.2*W 11720010 Turn On Production Date 21712 52.2888 472000 40112 55.5*N 80118 54.2*W 11720010 Turn On Production Date 21712 52.2888 472000 40112 55.5	and a statistical statistical	37 125 23007	2/21/2008	40°15'20 3" N	80°14' 14.7" W	10/21/2008	Turn On Production Date	
Willingtoning Glab 51H         27.2081 20316         112.2011         411.81 18.41N         77.17.44.13*W         97.2011         Dial           Wilkut Huming Glab 51H         27.0281 20316         677.2011         40.161.3 51 N         60.722.4 8 W         97.2011         Provide Glab 51H         77.2016         97.2011         97.119.2011         97.2011         97.119.2011         97.2011         97.119.2011         97.2011         97.119.2011         97.2011         97.119.2011         97.2011         97.119.2011         97.2011         97.119.2011         97.2011         97.2011         97.119.2011         97.2011         97.2011         97.119.2011	Walaut Hunting Club 10H	37-091-20317	1/4/2011	41" 18' 18 6" N	77*17' 43 84* W	4/11/2011	TD Date	
Wahau Huning Cub 0H         37-081-20316         97/20211         40 (13.37 h)         60 (22.6.4 H)         Diright (13.07 h)         Assume Operations Date           37-125-20306         67/20201         40 (13.37 h)         60 (22.6.4 H)         97/20201         fmod on Production Date           37-125-20306         77/2010         40 (14.37 f)         80 (22.6.4 H)         97/20201         fmod on Production Date           37-125-20306         77/2010         40 (12.3.5 r)         80 (22.6.4 H)         97/20201         fmod on Production Date           37-125-20306         77/2010         40 (12.3.5 r)         80 (12.6.2.5 r)         M1/2/2001         Tum On Production Date           37-125-20408         72/2010         40 (12.3.5 r)         80 (12.6.3 r)         M1/2/2001         Tum On Production Date           37-125-20408         72/2000         40 (12.3.7 H)         80 (19.3.6 r)         77 (10.4.4 H)         10.2.2.1 H)         Supend Operations Date           37-125-20408         41/20213         40 (11.5.5 r)         80 (19.3.5 r)         80 (19.3.5 r)         10.2.2.1 H)         Supend Operations Date           37-125-2028         22/20214         40 (12.5.5 r)         80 (19.3.5 r)         80 (19.3.5 r)         80 (19.3.5 r)         80 (19.3.5 r)         80 (10.5.5 r)         80 (19.5.3 r)         80 (10.5.5 r)<	a contract to the state of the state	27 104 30340	411310011	748 10 10 AV	277 17 AA 128 M	1000004	TO DE LA COMPANY AND	
a value Pulling Cub an         57-267-208100         5772027         40.116.13.571         50.722.6.4.97.40         Victorian         Nature Public P	Walaut Husting Club OH	37 091 20316	2/47/2011	Seales a line inter in		5/1/2011	Posumo Orașetiano Data	
37.12.5.2380         00.12.020         40.14.3.75 N         00.22.4.9 W 97/2006         (um On Production Date Graduation Date Str225.23768           37.12.5.23768         00.12.020         41.124.45.02.7 N         87.16.7 0.000 W         (17.2001         (um On Production Date Graduation Date Str225.23768         (17.2001         (10.1000 M)         (10.10000 M)         (10.10000 M)         <	e wante nunning clob an	37-001-20310	2000007	NATE OF THE WARDER OF THE	doene to ut	STIZOTT	resume Operations Date	
37         125         237         125         237         125         127	and the second states of the s	37-1259/2000	6/21/2007	40 15 3.5 N	00 22 4.6 VV	0/10/2008	I um On Production Data	
37-08/81202         10/13/2006         41/14/4 45 04/1 N         10/2 40 6/14         10/2/200         Tur/2010         Tur/2010         Tur/2010         40/12 (33,5' N)         80/12/9 40,5' W (1/3/2011)         Superid Operations Date           37/12/5 23/98         7/82/2005         2/2/2/005         41/12 (23,5' N)         80/12 (23,5' N)         80/12 (23,5' N)         10/12 (20,5' N)	and the second	37-125-23169	8/7/2008	40"14"37.8" N	80°20' 50.4" W	8/7/2009	Turn On Production Date	
37:125:23788         7/72010         40°12' 53.4" N         80°2' 94.05" W(17/2011         TD Date           37:125:24183         47/82/008         40°15' 27" N         80°18' 37" W(17/2001)         Turn On Production pate           37:125:24183         47/82/2008         41°12' 28" N         77" 85.54" W(77/2001)         Stubert Operations Date           37:051:20032         17/25/24283         41°22' 28.8" N         77" 85.54" W(77/2010)         Stubert Operations Date           37:125:24283         41°22' 28.8" N         77" 85.52" W(77/2010)         Stubert Operations Date           37:125:24284         41°2' 2011         40°16' 15.77" N         80°19' 38.52" W(7/2011)         Stupend Operations Date           37:125:24284         41°2' 2011         40°16' 15.77" N         80°19' 38.52" W(7/2011)         Stupend Operations Date           37:125:24284         41°2' 2011         40°16' 15.67" N         01°19' 38.2" W(7/2011)         Stupend Operations Date           37:125:24284         128'27' N(7/2010)         40°12' 25.65" N         01°18' 35.2" W(7/2007)         Turn On Production Date           37:125:2388         128'27' N(7/20)         40°12' 25.65" N         01°18' 52.5" W(17/2007)         Turn On Production Date           37:125:2388         14/2010         40°12' 25.65" N         60°18' 52.5" W(17/2007)         Turn On Production Date	<b>上,</b> 因为1年10月	37-083-51202	10/13/2006	41*46"45.047" N	78"1 6"20.604" W	1/5(2007	Turn On Production Date	
37:125:24188         7/6/2010         40°12' 53.5" N         80°12' 40.57 W         11/12/11         Suspend Operations Date           37:035:2003         2200004         41°22' 28.8" N         77' 8.5.2" W         17/2' 0.5.4" V         17/2'	and the second second	37-125-23798	7/7/2010	40° 12' 53.4" N	80°29' 40.6" W	1/3/2011	TD Date	
37-125-23084         9/28/2006         4/0*15 27* N         80* 18* 37* 77* 5.5 4* W         1/12/2009         Tum On Production Date           37/0614/00134         //27/2000         4/1/22 28 8* N         77* 5.5 4* W         1/12/2010         Studen Date           37/0614/00134         //27/2000         4/1/22 28 8* N         77* 5.5 4* W         1/12/2010         Studen Date           37-125-22425         4/18/2011         40*16*16/47* N         80*19*3.827* W         1/12/2011         Suspend Operations Date           37-125-24279         4/18/2011         40*16*16.24* N         90*19*3.82* W         1/12/2011         Suspend Operations Date           37-125-24279         4/19/2011         40*16*16.24* N         90*19*3.82* W         1/12/2011         Suspend Operations Date           37-125-24279         4/19/2011         40*16*16.24* N         90*19*3.2* N         1/10/2001         Tum On Production Date           37-125-2388         3/28/2007         44*15*85* N         60*18*5.2* N*         1/12/2010         Tum On Production Date           37-125-2388         1/17/2009         40*12*5.5* N         80*18*5.2* N*         1/12/2010         Tum On Production Date           37-125-2388         1/4/2010         40*12*5.5* N         80*18*5.2* N*         1/12/2010         Tum On Production Date      <		37-125-24188	7/6/2010	40*12 53.5" N	80°29'40.5" W	1/11/2011	Suspend Operations Date	
37:03         2003         200300         41*22*28.8*         77:75.5.2* <th 7<="" td=""><td></td><td>37-125-23084</td><td>8/28/2008</td><td>40° 15' 27" N</td><td>80° 18' 37.7" W</td><td>1/8/2009</td><td>Turn On Production Date</td></th>	<td></td> <td>37-125-23084</td> <td>8/28/2008</td> <td>40° 15' 27" N</td> <td>80° 18' 37.7" W</td> <td>1/8/2009</td> <td>Turn On Production Date</td>		37-125-23084	8/28/2008	40° 15' 27" N	80° 18' 37.7" W	1/8/2009	Turn On Production Date
Si7 081 40134         7/27/2000         41*22*28.8*W         7/7 95.2*W 202101         Suspend Operations Date           Si7 125 24283         41/32011         40*18*16.4*R         60*19*38.2*W 4/202011         Suspend Operations Date           Si7 125 24284         41/32011         40*18*15.3*F         N         60*19*38.2*W 4/202011         Suspend Operations Date           Si7 125 24294         41/32211         40*18*15.4*F         N         00*19*38.2*W 4/202011         Suspend Operations Date           Si7 125 24294         41/172114         40*18*15.4*F         N         00*19*38.2*W 4/202011         Suspend Operations Date           Si7 125 24281         41/172014         40*18*15.4*F         00*19*38.2*W 4/120201         Suspend Operations Date           Si7 125 24281         41/172014         40*18*15.6*F         80*19*36.2*W 4/120201         Fum On Production Date           Si7 125 23882         12/172019         40*12*55.5*N         80*18*52*W 1/129/2010         Fum On Production Date           Si7 125 23888         14/2010         40*12*55.5*N         80*18*52*W 1/129/2010         Fum On Production Date           Si7 125 2388         14/2010         40*12*55.7*N         80*18*52*W 1/129/2010         Fum On Production Date           Si7 125 2388         14/2010         40*12*2*5.7*N         80*18*52*W 1/129/2010		37-081-20063	2/20/2008	41°22'28.8," N	77°8'.5.4" W	7/12/2008	ID Date	
17-125-2282         4/19/2011         40°14 11 60°1 F         80°1 F 38 67° W 4/02/2011         Suspend Operations Date           17-125-22828         4/18/2011         40°14 F 15.77° N         80°1 F 38 52° W 4/20/2011         Suspend Operations Date           17-125-22828         4/18/2011         40°1 F 18 52° N         80°1 F 98 52° W 4/20/2011         Suspend Operations Date           17-125-22828         4/17/2011         40°1 F 18 52° N         80°1 F 98 52° W 4/20/2011         Suspend Operations Date           17-125-22828         4/17/2011         40°1 F 18 52° N         80°1 F 98 52° W 4/20/2011         Suspend Operations Date           17-125-22828         298/2007         44°1 F 91 F 37         80°1 F 97 84° W 10/28/2007         Tum On Production Date           17-125-2288         122/17/2009         40°1 T 25 65 N         80°1 F 53 2° W 11/28/2010         Tum On Production Date           17-125-2388         12/17/2009         40°1 T 25 55 N         80°1 F 53 2° W 11/28/2010         Tum On Production Date           17-125-2388         14/2010         40°1 T 25 55 N         80°1 F 53 2° W 11/28/2010         Tum On Production Date           17-125-2388         14/2010         40°1 T 25 51° N         80°1 F 53 2° W 11/28/2010         Tum On Production Date           17-125-2388         14/2010         40°1 T 25 51° N         80°1 F 53 2° W 11/28		37-081-20134	7/27/2009	41*22*28.8*N	77*8' 5.2" W	2/17/2010	Shut-In Date	
17.125.24283         4/18/2011         40°14' 15.7* N         80°14' 35.5° W         47/92/011         Suspand Operations Date           37.125.24284         41/92/011         40°14' 15.64* N         80°14' 35.20* W         47/02/011         Suspand Operations Date           37.125.24279         41/92/011         40°14' 15.65* N         60°14' 35.27* W         47/02/011         Suspand Operations Date           37.125.24284         47/22/014         40°14' 15.65* N         60°14' 35.7* W         47/02/011         Suspand Operations Date           37.125.24285         92/22/007         40°14' 15.65* N         60°14' 15.27* W         47/02/010         Fundo         Production Date           37.125.24285         92/22/03         12/17/2003         40°14' 25.5* N         60°18' 52.7* W         17/02/2010         fundo         Production Date           37.125.23885         12/17/2003         40°14' 25.5* N         60°18' 52.7* W         11/02/2010         fundo         Production Date           37.125.23885         12/17/2003         40°14' 25.5* N         60°18' 52.7* W         11/02/2010         fundo         Production Date           37.125.23885         12/02/00         40°14' 25.5* N         60°18' 52.7* W         11/02/2010         fundo         Production Date           37.125.23876         12/02/0	ACCESSION AND	37-125-24282	4/19/2011	40" 18' 16:04" N	80° 19' 38.27" W	4720/2011	Suspend Operations Date	
37:125:24283         4719/2011         401'14'15'47         601'19'35'27' M (20/2011         Busgend Operations Date           37:125:24279         4719/2011         40'16'16'28' N         90'19'35'27' M (20/2011)         Suspend Operations Date           34:125:44383         87/22007         41'45'36'7' K         90'19'35'7' M (12/2011)         Suspend Operations Date           34:125:43883         87/22007         40'14'5'36'7' K         90'19'15'7' M (12/2011)         Tum On Production Date           37:125:22828         37/82007         40'12'12'55'F'N         90'19'15'14'22'10         Tum On Production Date           37:125:23881         12/17/2009         40'12'55'F'N         90'18'53'Y'M (12/2010)         Tum On Production Date           37:125:23881         14/2010         40'12'55'S'N         80'18'53'Y'M (12/2010)         Tum On Production Date           37:125:23881         14/2010         40'12'55'S'N         80'18'53'Y'M (12/2010)         Tum On Production Date           37:125:23881         14/2010         40'12'55'S'N         80'18'53'Y'M (12/2010)         Tum On Production Date           37:125:23881         14/2010         40'12'55'N'N         80'18'53'Y'M (12/2010)         Tum On Production Date           37:125:23881         14/2010         40'14'2.8'N N         80'18'53'Y'M (12/2010)         Tum On Production Date </td <td></td> <td>37-125-24283</td> <td>4/18/2011</td> <td>40°18' 15.77" NI</td> <td>80°19' 38.67" W</td> <td>4/19/2011</td> <td>Suspend Operations Date</td>		37-125-24283	4/18/2011	40°18' 15.77" NI	80°19' 38.67" W	4/19/2011	Suspend Operations Date	
37-125-242/9         4/19/2011         40°18°16.26° N         80°19°33.23° W         4/202011         Suspand Operations Date           37-125-242/9         4/77/2011         40°18°16.26° N         80°19°33.23° W         4/18/20101         Suspand Operations Date           37-125-2082         3/28'2007         40°19°18°15.86° N         80°19°30.10°         SV/2007         Tum On Production Date           37-125-2080         5/2/2009         40°19°18°25.85° N         80°18°25.7° N         1/22/2010         Tum On Production Date           37-125-20808         1/247/2009         40°12°5.55° N         80°18°5.27° M         1/22/2010         Tum On Production Date           37-125-20883         1/42/010         40°12°5.55° N         80°18°5.32° W         1/22/2010         Tum On Production Date           37-125-23883         1/42/010         40°12°5.57° N         80°18°5.32° W         1/22/2010         Tum On Production Date           37-125-23883         1/42/010         40°12°5.57° N         80°18°5.32° W         1/22/2010         Tum On Production Date           37-125-23878         1/42/2010         40°12°5.57° N         80°18°5.24° W         1/22/2010         Tum On Production Date           37-125-23878         1/25/20/90         40°14°2.86° N         80°21°5.47° W         1/42/2010         Tum On Production Date <td></td> <td>37-105-24284</td> <td>2119/2011</td> <td>40*18*15 94* N</td> <td>80° 19' 38 522 W</td> <td>4/20/2011</td> <td>Suspend Operations Date</td>		37-105-24284	2119/2011	40*18*15 94* N	80° 19' 38 522 W	4/20/2011	Suspend Operations Date	
S7         135         232         141         4772011         40718715.65* N         8071973.71* M         47182011         Suspand Operation Date           34-123         234-123         2382         32872007         41*45786.766* N         79*3*1586* M         10282007         Tum On Production Date           37-125         23882         32872007         40*12*3.881* N         80*19*3.877* M         11282010         Tum On Production Date           37-125         23888         124772008         40*12*5.55* N         80*18*3.2* W         112872010         Tum On Production Date           37-125         23888         124772008         40*12*5.55* N         80*18*3.2* W         112872010         Tum On Production Date           37-125         3888         1422010         40*12*5.5* N         80*18*5.3* W         112872010         Tum On Production Date           37-125         37888         1442010         40*12*5.5* N         80*18*5.3* W         1128/2010         Tum On Production Date           37-125         23788         144/2010         40*12*5.5* N         80*18*5.3* W         1128/2010         Tum On Production Date           37-125         23783         126/2009         40*14*2.8* N         80*17*5.4* W         1128/2010         Tum On Production Date <t< td=""><td></td><td>37,125,24279</td><td>4/19/2011</td><td>40° 18' 16 26" N</td><td>80° 19' 38 23" W</td><td>4/20/2011</td><td>Suspend Operations Date</td></t<>		37,125,24279	4/19/2011	40° 18' 16 26" N	80° 19' 38 23" W	4/20/2011	Suspend Operations Date	
34-123-4388         8/22/2007         41*45 36.765 M         79*33 *15.8776 M         102/20207         Tum On Production Date           37-125-22682         328/2007         40*19*19:34 M         80*19*15.444 M         11/22/2017         Fum On Production Date           37-125-22682         328/2008         40*12*3.657 M         80*19*15.444 M         11/22/2010         Fum On Production Date           37-125-23881         12/17/2009         40*12*5.55 M         80*18*5.27 W         11/28/2010         Tum On Production Date           37-125-23881         14/2710.0         40*12*5.55 N         80*18*5.37 W         11/28/2010         Tum On Production Date           37-125-23886         14/2010         40*12*5.57 N         80*18*5.37 W         11/28/2010         Tum On Production Date           37-125-23867         14/2010         40*12*55.7* N         80*18*5.37 W         11/28/2010         Tum On Production Date           37-125-23764         9/28/209         40*14*28.4* N         80*12*55.4* W         54/2010         Tum On Production Date           37-125-23764         9/28/209         40*14*28.4* N         80*21*55.4* W         54/2010         Tum On Production Date           37-125-23764         9/28/209         40*14*28.4* N         80*17*54.4* W         14/22010         Tum On Production Date	CONTRACTOR OF STATES	27 105 04081	111712011	40%18 15 565 NI	80-10-38 71* W	1110/00111	Support Operations Date	
34-122-43865         3522007         47-143 56/36 W         17.352-2307         Tum On Production Date           37-122-23098         5/5/2008         40°12'34.881°         80°19'15.444°         Int22/2007         Tum On Production Date           37-122-23098         5/5/2008         40°12'34.881°         80°19'15.247°         Int22/2010         Tum On Production Date           37-122-23088         1/2/7/2009         40°12'55.6°         90°18'52.7°         Int22/2010         Tum On Production Date           37-122-23088         1/4/2010         40°12'55.6°         90°18'53.7°         Int22/2010         Tum On Production Date           37-122-23088         1/4/2010         40°12'55.7°         80°18'53.2°         Int22/2010         Tum On Production Date           37-122-23088         1/4/2010         40°12'55.7°         80°18'53.2°         Int22/2010         Tum On Production Date           37-122-2388         1/4/2010         40°12'55.4°         80°18'53.2°         Int22/2010         Tum On Production Date           37-122-23764         92/2/2009         40°14'2'8.4°         80°18'5.4°         9/14/2010         Tum On Production Date           37-122-23873         11/5/2/2007         40°16'1.55'N         80°18'7.52'4'W         1/16/2/2010         Tum On Production Date           37-122-23973		34 400 40000	8/22/2007	44*45' 26 756" N	70*22 14E 976* W	10/28/2007	Turp On Production Date	
3/12/2-2280         S/2/2/01         4/1/9/3/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         7/2/2         8/2/2         8/2/2         8/2/2         1/2/2/2010         1///2/2010         1///2/2010         1///2/2010         1///2/2010         1///2/2010         1///2/2010         1///2/2010         1///2/2010         1///2/2010         1///2/2010         1///2/2010         1///2/2010         1///2/2010         1///2/2010         1///2/2/2010         1///2/2/2010         1///2/2/2010         1///2/2/2010         1///2/2/2010         1///2/2/2010         1///2/2/2010         1///2/2/2010         1///2/2/2010         1///2/2/2010         1///2/2/2010         1///2/2/2010         1///2/2/2010         1///2/2/2/2010         1///2/2/2/2010         1///2/2/2/2010         1///2/2/2/2010         1///2/2/2/2010         1///2/2/2/2010         1///2/2/2/2010         1///2/2/2/2010         1///2/2/2/2010		34-123-43003	0/23/2007	41 40 30.700 N	79 33 13.070 W	10/20/2007	Turn On Froduction Date	
37-125-23086         50/2008         40*12*34, 88*N         80*8         80*8         20*0         10m On Production Date           37-125-23861         12/17/2009         40*12*5.5*N         80*18*52.5*W         11/29/2010         Tum On Production Date           37-125-23885         14/2010         40*12*55.5*N         80*18*52.5*W         11/29/2010         Tum On Production Date           37-125-23885         14/2010         40*12*55.3*N         80*18*53.2*W         11/29/2010         Tum On Production Date           37-125-23885         14/2010         40*12*55.7*N         80*18*53.2*W         11/29/2010         Tum On Production Date           37-125-23887         14/4010         40*12*55.7*N         80*18*53.2*W         11/29/2010         Tum On Production Date           37-125-23873         19/25/2009         40*14*2.8*N         80*21*55.4*W         5/4/2010         Tum On Production Date           37-125-23873         11/5/2009         40*14*2.8*N         80*21*55.4*W         5/4/200         Tum On Production Date           37-125-23873         11/5/2009         40*14*2.8*N         80*21*55.4*W         5/4/200         Tum On Production Date           37-125-22873         11/2/2007         40*16*12.8*N         80*21*55.4*W         5/4/200         Tum On Production Date	And the second	3/-123-2200Z	3/20/2007	40-19-19.3 N	00 20 0,3 44	0/3/2001	Fun On Production Data	
average         average <t< td=""><td></td><td>37-125-23098</td><td>5/5/2008</td><td>40°12'34.881" N</td><td>80°19'15.444" W</td><td>11/29/2010</td><td>Tum On Production Date</td></t<>		37-125-23098	5/5/2008	40°12'34.881" N	80°19'15.444" W	11/29/2010	Tum On Production Date	
37-125-23881       112/17/2009       407.12 55.8* N       80°18 52.5* N       112/29/2010       Tum On Production Date         37-125-23883       114/2010       407.12 55.8* N       80°18 53.4* W       112/29/2010       Tum On Production Date         37-125-23885       114/2010       40°12 55.3* N       80°18 53.2* W       11/29/2010       Tum On Production Date         37-125-23887       114/2010       40°12 55.3* N       80°18 53.2* W       11/29/2010       Tum On Production Date         37-125-23876       19/28/2009       40°14'2.85.7* N       80°18'5.3* W       11/29/2010       Tum On Production Date         37-125-23764       9/28/2009       40°14'2.8.4* N       80°21'55.4* W       51/4/2010       Tum On Production Date         37-125-23876       11/5/2009       40°14'2.8.4* N       80°21'55.4* W       51/4/2010       Tum On Production Date         37-125-22801       91/17/2007       40°14'2.8.1* N       80°21'55.4* W       51/202010       Tum On Production Date         37-125-22801       91/17/2007       40°16'10.5* N       80°18'7.2* W       51/3/2009       Tum On Production Date         37-125-22801       91/12/2008       40°16'10.5* N       80°18'7.2* W       91/9/2009       Tum On Production Date         37-125-22801       91/12/2008       40°16'10.5* N <td></td> <td>37-125-23882</td> <td>12/17/2009</td> <td>40"12"55.5" N</td> <td>80°18'52.7" W</td> <td>11/29/2010</td> <td>rum On Production Date</td>		37-125-23882	12/17/2009	40"12"55.5" N	80°18'52.7" W	11/29/2010	rum On Production Date	
37:125.23883         1/4/2010         40/12 55:1*N         80*16 53.2*W         1/129/2010         Turb On Production Date           37:125.23886         1/4/2010         40*12 55:3*N         80*16 53.2*W         1/29/2010         Turb On Production Date           37:125.23886         1/4/2010         40*12 55:3*N         80*16 53.2*W         1/29/2010         Turb On Production Date           37:125.23887         1/4/2010         40*12 55:7*N         80*16 53.2*W         1/29/2010         Turb On Production Date           37:125.23876         1/28/2009         40*14*28.6*N         80*21*55.4*W         5/14/2010         Turb On Production Date           37:125.23876         1/28/2009         40*14*28.4*N         80*21*55.4*W         5/14/2010         Turb On Production Date           37:125.23873         11/5/2009         40*16*28.1*N         80*21*55.4*W         5/14/2010         Turb On Production Date           37:125.22801         9/17/2007         40*16*18.5*N         80*17*54.4*W         1/19/208         Turb On Production Date           37:125.22801         9/17/2006         40*16*19.5*N         80*19*7.2*Y         9/9/2009         Turb On Production Date           37:125.22801         9/17/2006         40*15*37.2*N         80*19*17.3*W         1/1/4/2066         Turb On Production Date		37-125-23881	12/17/2009	40°12' 5 5.6" N	80°18'52.5" W	11/29/2010	Turn On Production Date	
37-125-23886         1/4/2010         40° 12° 55. 3° N         80° 18° 52. 2° M         1/129/2010         Tum On Production Date           37-125-23887         1/4/2010         40° 12° 55. 3° N         80° 18° 52. 3° M         1/29/2010         Tum On Production Date           37-125-23887         1/4/2010         40° 12° 55. 3° N         80° 18° 52. 3° M         5/14/2010         Tum On Production Date           37-125-23876         9/28/2009         40° 14° 28. 4° N         80° 21° 55. 4° K         5/14/2010         Tum On Production Date           37-125-23873         11/5/2009         40° 14° 28. 4° N         80° 21° 55. 4° K         5/14/2010         Tum On Production Date           37-125-23873         11/5/2009         40° 14° 28. 4° N         80° 21° 55. 4° K         5/18/2010         Tum On Production Date           37-125-23873         11/5/2009         40° 14° 28. 1° N         80° 18° 7. 2° W 5/18/2010         Tum On Production Date           37-125-22801         9/12/2008         40° 16° 10.5° N         80° 18° 7. 2° W 3/13° W 4/19/2009         Tum On Production Date           37-125-22801         9/12/2006         40° 17° 37. N         80° 19° 17. 3° W 10/15/2010         Tum On Production Date           37-125-22601         8/14/2006         40° 17° 37. N         80° 19° 17. 3° W 10/15/2010         Tum On Production Date		37 125 23883	1/4/2010	40°12'55.1" N	80°18' 53.4" W	11/29/2010	Turn On Production Date	
37.125-2385         1/4/2010         49°.12-55.47 N         80°.18°.53°.W         1/1/29/2010         Tum On Production Date           37.125-23887         1/4/2010         40°.12° 55.7° N         80°.18° 52.3° W         1/1/29/2010         Tum On Production Date           37.125-23764         9/28/2009         40°.14° 28.6° N         80°.21°.55.4° W         5/14/2010         Tum On Production Date           37.125-23765         9/28/2009         40°.14° 28.4° N         80°.21°.55.4° W         5/18/2010         Tum On Production Date           37.125-23775         9/28/2009         40°.14° 28.4° N         80°.21°.55.4° W         5/18/2010         Tum On Production Date           37.125-23873         11/7/2007         40°.16° 18.5° N         80°.21°.55.4° W         5/18/2009         Tum On Production Date           37.125-22810         9/12/2008         40°.16° 18.5° N         80°.17°.54.4° W         1/19/2008         Tum On Production Date           37.125-22810         9/31/2006         40°.16° 10.5° N         80°.19°.23.7° W         1/14/2006         Tum On Production Date           37.125-22610         8/31/2006         40°.1° 31.2° 1° N         80°.19°.23.7° W         1/14/2006         Tum On Production Date           37.125-22620         8/13/2007         40°.37 3.2° 1° N         80°.19°.28.6° W         5/10/2007		37-125-23886	1/4/2010	40°12' 55. 3" N	80° 18' 53.2" W	11/29/2010	Turn On Production Date	
37-125-23887         1/4/2010         40°12 '55. "N         80°18' 52.3" W [1/29/2010         Tum On Production Date           37-125-23764         9/28/2009         40°14' 28.4" N         80°21' 55.4" W 5/14/2010         Tum On Production Date           37-125-23764         9/28/2009         40°14' 28.4" N         80°21' 55.4" W 5/14/2010         Tum On Production Date           37-125-23764         9/28/2009         40°14' 28.4" N         80°21' 55.4" W 5/18/2010         Tum On Production Date           37-125-23764         9/28/2009         40°14' 28.4" N         80°21' 55.4" W 5/18/2010         Tum On Production Date           37-125-23801         9/12/2008         40°16' 18.5" N         80°17' 55.4" W 5/18/2010         Tum On Production Date           37-125-22801         9/12/2008         40°16' 10.5" N         80°18' 7.2" W 3/9/2009         Tum On Production Date           37-125-22401         8/31/2006         40°15' 37.2" N         80°19' 7.8" W 10/15/2010         Tum On Production Date           37-125-22401         8/31/2006         40°15' 37.2" N         80°19' 28.6" W 5/10/2007         Tum On Production Date           37-125-22401         8/17/2007         40°15' 37.2" N         80°19' 28.6" W 5/10/2007         Tum On Production Date           37-125-22401         8/14/2006         40°15' 37.2" N         80°19' 28.6"N         80'19'		37-125-23885	1/4/2010	40°12'55.4" N	80°18'53* W	11/29/2010	Turn On Production Date	
37.125.23763         9/28/2009         40° 14' 28.6* N         80° 21' 55.4* W         51/4/2010         Tum On Production Date           37.125.23764         9/28/2009         40° 14' 28.4* N         80° 21' 55.4* W         51/4/2010         Tum On Production Date           37.125.23765         9/28/2009         40° 14' 28.4* N         80° 21' 55.4* W         51/4/2010         Tum On Production Date           37.125.23763         9/28/2009         40° 14' 28.4* N         80° 21' 55.4* W         51/4/2010         Tum On Production Date           37.125.23763         9/28/2009         40° 14' 28.4* N         80° 21' 55.4* W         51/4/2010         Tum On Production Date           37.125.228719         9/12/2008         40° 16' 10.5* N         80° 18' 7.2* W         9/16/2009         Tum On Production Date           37.125.22801         9/12/2006         40° 15' 37.2* N         80° 30' 11.3* W         9/10/2009         Tum On Production Date           37.125.22801         9/12/2006         40° 15' 37.2* N         80° 19' 17.3* W         10/15/2010         Tum On Production Date           37.125.22801         9/12/2007         40° 38' 15' 848* N         80' 19' 18' 4' 18' 10' 13' 10' 13' 13' 13' 13' 13' 14' 14' 13' 13' 13' 13' 13' 13' 13' 13' 13' 13		37-125-23887	1/4/2010	40°12' 55.7" N	80° 18' 52.3" W	11/29/2010	Turn On Production Date	
37-125-23764         9/28/2009         40*14*28.4* N         80*21*55.4* W         5/14/2010         Tum On Production Date           37-125-23765         9/28/2009         40*14*28.4* N         80*21*5.4* W         5/14/2010         Tum On Production Date           37-125-23765         9/28/2009         40*14*28.4* N         80*21*5.4* W         5/18/2010         Tum On Production Date           37-125-22799         11/7/2007         40*16*18.5* N         80*21*5.4* W         5/18/2010         Tum On Production Date           37-125-22801         9/12/2008         40*16*10.5* N         80*18*7.2* W         3/9/2009         Tum On Production Date           37-125-22410         8/31/2006         40*16*15*37.2* N         80*30*18*7.2* W         40/15/2010         TD Date           37-125-22401         8/14/2006         40*17*9.1* N         80*19*23.6* W         5/10/2007         Tum On Production Date           37-125-2260         4/13/2007         40*17*9.1* N         80*19*28.6* W         5/10/2007         Tum On Production Date           34-019-21972         8/17/2007         40*38*15.648* N         80*59*45.8* W         8/10/2007         Tum On Production Date           12F Fishing Club 1         37-081-20481         4/25/2011         80*39*11.3* W         80*19*28.6* W         5/10/100         5/10*107 <td><b>这些你们不能能</b></td> <td>37-125-23763</td> <td>9/26/2009</td> <td>40°14'28.6" N</td> <td>80°21'55.4° W</td> <td>5/14/2010</td> <td>Tum On Production Date</td>	<b>这些你们不能能</b>	37-125-23763	9/26/2009	40°14'28.6" N	80°21'55.4° W	5/14/2010	Tum On Production Date	
37.125/23765         9/29/2009         40°14/28.2°N         80°21'55.4°W         51°8/2010         Tum On Production Date           37.125/2373         11/5/2009         40°14'28.1°N         80°21'55.4°W         51°8/2010         Tum On Production Date           37.125/22799         11/7/2007         40°16'18.5°N         80°17'54.4°W         51°8/2009         Tum On Production Date           37.125/22799         11/7/2007         40°16'10.5°N         80°17'54.4°W         51°7'2W         39/2009         Tum On Production Date           37.125/22410         81/2/2006         40°16'10.5°N         80°19'28.6°W         10/15/2010         TO Date           37.125/22410         81/4/2006         40°17'3.7°N         10/4/2006         Tum On Production Date           37.125/22620         41/3/2007         40°18'3.7°N         80°19'28.6°W         \$10/15/2007         Tum On Production Date           37.125/22620         41/3/2007         40°38'15.648°N         80°59'45.815 W         81/1/2007         Spud Date           37.125/22611         37.081.20057         10/16/2007         41°19'18.459°N         77°17'5.27.06°W         3/28/2011         Tum On Production Date           1/2 Fishing Club 18         37.081.20482         4/25/2011         40°59'45.815 W         8/27/2017         Suspend Operations Date	A REAL PROPERTY AND A REAL	37-125-23764	9/28/2009	40° 14' 28 .4" NI	80°21' 55.4" W	5/14/2010	Turn On Production Date	
37-125-23873         11/5/2009         40° 14′ 28.1° N         80° 21′ 55.4° W         516/2010         Tum On Production Date           37-125-22801         9/12/2008         40° 16′ 18.5° N         80° 17′ 54.4° W         1/10/2008         Tum On Production Date           37-125-22801         9/12/2008         40° 16′ 10.5° N         80° 18′ 7.2° W         39/2009         Tum On Production Date           37-125-22801         9/12/2008         40° 16′ 10.5° N         80° 18′ 7.2° W         39/2009         Tum On Production Date           37-125-22801         8/11/2006         40° 15′ 37.2° N         80° 19′ 17.3° W         40/15/2010         Tum On Production Date           37-125-22801         8/11/2006         40° 17′ 91° N         80° 19′ 17.3° W         11/4/2006         Tum On Production Date           37-125-22801         8/11/2007         40° 38′ 15.648° N         80° 19′ 17.3° W         11/4/2006         Tum On Production Date           37-125-22801         8/17/2007         40° 38′ 15.648° N         80° 19′ 17.3° W         11/4/2006         Tum On Production Date           37-125-22801         37-081-2048         4/25/2011         S0° 59′ 45.815° W         8/17/2007         Spud Date           127 Fishing Club 11         37-081-2048         4/25/2011         Suspend Operations Date         4/25/2011	Charles States	37-125-23765	9/29/2009	40°14 28-2"N	80°21'55.4* W	6/18/2010	Turn On Production Date	
37.125-22739         1177/2007         40° 16° 18.5° N         80° 17° 54.4° W 1/19/2008         Tum On Production Date           37.125-22801         9/12/2008         40° 16° 10.5° N         80° 18° 7.2° W         9/9/2009         Tum On Production Date           aws 12006 Unit 3H         37.035-21202         8/22/2010         41° 13° 50.44° N         77° 28° 3.79° W         10/12/2010         Tum On Production Date           aws 12006 Unit 3H         37.125-22401         8/14/2006         40° 15° 37.2° N         80° 30° 11.3° W         4/9/2009         Tum On Production Date           37.125-22401         8/14/2006         40° 17° 32.4° N         80° 19° 17.3° W         11/4/2006         Tum On Production Date           37.125-22401         8/14/2006         40° 17° 32.4° N         80° 19° 17.3° W         11/4/2006         Tum On Production Date           37.125-22620         4/13/2007         40° 38° 15.648° N         80° 59° 45.815° W         8/17/2007         Spud Date           12 Fishing Club 1         37.081-20047         10/16/2007         41° 19° 18.45° N         77° 17' 52.706° W         6/28/2011         Tum On Production Date           12 Fishing Club 19H         37.081-20480         4/25/2011         41° 19° 18.45° N         77° 17' 17' 52.706° W         6/28/2011         Suspend Operations Date           12 Fishing Club	Contract and	37-125-23873	111/5/2009	40°14'28 1" N	80°21'55.4" W	5/18/2010	Turn On Production Date	
37-125-22801         9/12/2008         40° 16° 10.5° N         80° 18° 7.2° W         3/9/2009         Tum On Production Date           37-125-22410         8/31/2006         40° 15° 37.2° N         80° 30° 11.3° W         4/9/2009         Tum On Production Date           37-125-22401         8/31/2006         40° 17° 91° N         80° 30° 11.3° W         4/9/2009         Tum On Production Date           37-125-22202         8/31/2007         40° 17° 91° N         80° 19° 17.3° W         1/9/2006         Tum On Production Date           37-125-2262         4/13/2007         40° 38° 15.648° N         80° 59° 45.815° W         5/10/2007         Tum On Production Date           34-019-21972         8/17/2007         40° 38° 15.648° N         80° 59° 45.815° W         5/10/2007         Spud Date           127 Eishing Club 1         37-081-20481         4/25/2011         4/25/2011         Suspend Operations Date           127 Eishing Club 20H         37-081-20481         4/25/2011         4/25/2011         Suspend Operations Date           127 Eishing Club 21H         37-081-20483         4/25/2011         4/25/2011         Suspend Operations Date           127 Eishing Club 22H         37-081-20483         4/25/2011         4/25/2011         Suspend Operations Date           127 Eishing Club 21H         37-081-20485	Contraction of the state	37-125-22709	1117/2007	40116 18.5" N	80° 17' 54 4" W	1/19/2018	Tum On Production Date	
Bit 12:02:00:00         String Council and Cou	1.01-1408.00	27 125 22801	0/12/2008	40°16' 10.5" N	80° 18' 7 2" W	1/0/2000	Turn On Production Date	
awer opge opin SH         37-08320202         02/2/000         4/1 19/08 arr N         7/1 30 arr N         80 "30' 11 3" W #/9/2009         Furm On Production Date           37-125-22401         8/14/2006/         40" 15' 37.2" N         80 ° 30' 11 3" W #/9/2009         Turn On Production Date           37-125-22620         4/13/2007         40" 17' 37.2" N         80 ° 30' 11 3" W #/9/2009         Turn On Production Date           34-019-21972         8/17/2007         40" 15' 37.2" N         80 ° 19' 17.3" W 11/4/2006         Turn On Production Date           34-019-21972         8/17/2007         40" 15' 37.2" N         80 ° 19' 17.3" W 11/4/2006         Turn On Production Date           12// Elshing Club 1         37-081-20057         10/16/2007         41" 19' 18.459" N         77*17' 52.706" W 3/28/2011         Turn On Production Date           12// Elshing Club 20H         37-081-20481         4/25/2011         4/25/2011         Suspend Operations Date           12// Elshing Club 20H         37-081-20483         4/25/2011         4/25/2011         Suspend Operations Date           12// Elshing Club 20H         37-081-20483         4/25/2011         4/25/2011         Suspend Operations Date           12// Elshing Club 23H         37-081-20485         4/25/2011         4/25/2011         Suspend Operations Date           12// Elshing Club 3H		07-120-22001	9/22/2000	40 10 10.0 M	77900 2 70 W	10/15/2020	TO Date	
37-125-22410         arr 2006         40° 15''' N         80° 30'''.3'''' N'''''''''''''''''''''''''''''	awk Lodge Unit 3H	37-035-21202	0/22/2010	41 10 00.00 N	00 * 201 44 3* W	10/15/2010	Turn On Production Onto	
Sk-125-2290 T         9/(4/2000)         40" 17 (3) N         80 19 17/3 W [1/4/2006)         rum On Production Date           37-125-22620         4/13/2007         40" 17 (3) A N         80" 19' 28.6" W 5/10/2007         Turn On Production Date           34-019-21972         8/17/2007         40" 38 15.648" N         80" 59' 45.815".W         5/17/2007         Spud Date           112 Fishing Club 1         37-081-20057         10/16/2007         41" 19' 18.459" N         77" 17' 52.706" W 3/28/2011         Turn On Production Date           112 Fishing Club 19H         37-081-20480         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 20H         37-081-20483         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 21H         37-081-20483         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 23H         37-081-20485         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 3H         37-081-20485         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 3H         37-081-20485         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 3H         37-081-20485         11/2/2010         41" 19' 23.6" N		37-125-22410	0/31/2000	40 15 37.2 N	00 30 11.3 W	41312009	Con Production Date	
37-125-22620         4/13/2007         40° 17' 32.4" N         80° 19' 28.6" W         5/10/2007         Turn On Production Date           34-019-21972         8/17/2007         40° 38' 15.648" N         80° 59' 45.815" W         8/17/2007         Spud Date           112 Fishing Club 1         37-081-20057         10/16/2007         41° 19' 18.459" N         77° 17' 52.706" W         8/17/2007         Spud Date           112 Fishing Club 18H         37-081-20481         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 20H         37-081-20481         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 21H         37-081-20483         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 23H         37-081-20483         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 3H         37-081-20483         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 3H         37-081-20485         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 3H         37-081-20485         4/25/2011         Suspend Operations Date         1/25/2011           112 Fishing Club 3H         37-081-20387         11/2/2010         41° 19' 23.	and the state of the state of the	37-120-22401	8/14/2006	40 1/ 91 N	801917.3 W	11/4/2006	Turn On Production Date	
34-019-21972         8/17/2007         40*38*15:648* N         80*59*45.815* W [8/17/2007         Spud Date           112 Fishing Club 1         37-081-20057         10/16/2007         41*19'18.459* N         77*17'52.706* W 3/28/2011         Turn On Production Date           112 Fishing Club 18H         37-081-20480         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 19H         37-081-20481         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 20H         37-081-20483         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 21H         37-081-20483         4/25/2011         Suspend Operations Date         4/25/2011           112 Fishing Club 23H         37-081-20483         4/25/2011         Suspend Operations Date         5/26/2001           112 Fishing Club 3H         37-081-20485         4/25/2011         4/25/2011         Suspend Operations Date           112 Fishing Club 3H         37-081-20485         4/25/2011         4/26/2011         Suspend Operations Date           112 Fishing Club 3H         37-081-20387         11/2/2010         41*19'23.6* N         77*17'31.4* W 1/8/2011         Completions Date           112 Fishing Club H         37-081-20385         11/2/2010         41*19'23.6* N <td< td=""><td></td><td>37-125-22620</td><td>4/13/2007</td><td>40" 17' 32.4" N</td><td>80" 19' 28.6" W</td><td>6/10/2007</td><td>Turn On Production Date</td></td<>		37-125-22620	4/13/2007	40" 17' 32.4" N	80" 19' 28.6" W	6/10/2007	Turn On Production Date	
the fishing Club 1       37-081-20057       10/16/2007       41*19' 18.459" N       77*17' 52.706" W (3/28/2011       Turn On Production Date         the fishing Club 18H       37-081-20480       4/25/2011       4/25/2011       Suspend Operations Date         the fishing Club 20H       37-081-20481       4/25/2011       4/25/2011       Suspend Operations Date         the fishing Club 20H       37-081-20483       4/25/2011       4/25/2011       Suspend Operations Date         the fishing Club 21H       37-081-20483       4/25/2011       4/25/2011       Suspend Operations Date         the fishing Club 21H       37-081-20483       4/25/2011       4/25/2011       Suspend Operations Date         the fishing Club 23H       37-081-20483       4/25/2011       4/25/2011       Suspend Operations Date         the fishing Club 3H       37-081-20485       4/25/2011       4/26/2011       Suspend Operations Date         the fishing Club 7H       37-081-20387       11/2/2010       41*19' 23.6" N       77*17' 31.4" W       1/8/2010       Suspend Operations Date         the fishing Club 7H       37-081-20386       11/3/2010       41*19' 23.3" N       77*17' 29.4" W       4/4/2011       Completions Date         the fishing Club 9H       37-081-20386       11/3/2010       41*19' 53.5" N       77*17' 29.4" W		34-019-21972	8/17/2007	40*38' 15.648" N	80°59' 45.815" W	8/17/2007	Spud Date	
HZ Fishing Club 18H       37-081-20480       4/25/2011       4/25/2011       Suspend Operations Date         Hz Fishing Club 19H       37-081-20481       4/25/2011       4/25/2011       Suspend Operations Date         Hz Fishing Club 20H       37-081-20482       4/25/2011       4/25/2011       Suspend Operations Date         Hz Fishing Club 21H       37-081-20483       4/25/2011       4/25/2011       Suspend Operations Date         Hz Fishing Club 21H       37-081-20483       4/25/2011       4/25/2011       Suspend Operations Date         Hz Fishing Club 23H       37-081-20485       4/25/2011       4/25/2011       Suspend Operations Date         Hz Fishing Club 23H       37-081-20485       4/25/2011       4/26/2011       Suspend Operations Date         Hz Fishing Club 23H       37-081-20387       11/2/2010       41*19/23.6* N       77*17*31.4* W       1/8/2010       Shut in Date         Hz Fishing Club 7H       37-081-20386       11/3/2010       41*19/23.3* N       77*17*29.57* W       1/8/2011       Completions Date         Hz Fishing Club 8H       37-081-20386       11/4/2010       41*19/3.3*S* N       77*17*29.57* W       1/8/2011       TD Date         Hz Fishing Club Unit 12H       37-081-20236       7/20/2010       41*19/53.5* N       77*16*67.1*W 8/16/2011       TD Date	htz Fishing Club 1.	37-081-20057	10/16/2007	41°19' 18.459" N	77°17' 52.706" W	3/28/2011	Turn On Producti on Date	
htz Fishing Club 19H       37-081-20481       4/25/2011       4/25/2011       Suspend Operations Date         htz Fishing Club 20H       37-081-20482       4/25/2011       4/25/2011       4/25/2011       Suspend Operations Date         htz Fishing Club 21H       37-081-20483       4/25/2011       4/25/2011       4/25/2011       Suspend Operations Date         htz Fishing Club 21H       37-081-20483       4/25/2011       4/25/2011       4/25/2011       Suspend Operations Date         htz Fishing Club 23H       37-081-20485       4/25/2011       4/25/2011       Suspend Operations Date         htz Fishing Club 23H       37-081-20485       4/25/2011       4/25/2011       Suspend Operations Date         htz Fishing Club 3H       37-081-20485       4/25/2010       4/1*19/23.6" N       77*17'31.4" W       1/8/2010       Shut-In Date         htz Fishing Club 7H       37-081-20387       11/2/2010       41*19'23.6" N       77*17'29.74" W       4/4/2011       Completions Date         htz Fishing Club 9H       37-081-20386       11/3/2010       41*19'23.18" N       77*17'29.74" W       4/4/2011       Completions Date         htz Fishing Club 9H       37-081-20385       11/4/2010       41*19'53.5" N       77*16'57.1" W       4/4/2011       Completions Date       1/26/2011       ID Date	12 Fishing Club 18H	37-081-20480	4/25/2011	Madrady Westmanning		4/25/2011	Suspend Operations Date	
12: Fishing Club 20H       37-081:20482       4/25/2011       4/25/2011       Suspend Operations Date,         11: Fishing Club 21H       37-081:20483       4/25/2011       4/25/2011       Suspend Operations Date,         11: Fishing Club 22H       37-081:20484       4/25/2011       4/25/2011       Suspend Operations Date,         11: Fishing Club 23H       37-081:20485       4/25/2011       4/25/2011       Suspend Operations Date,         11: Fishing Club 3H       37-081:20067       3/25/2008       41/19:23.6" N       77*17'31.4" W       1/8/2010       Shut-in Date,         11: Fishing Club 3H       37-081:20087       11/2/2010       41*19'23.3" N       77*17'29.4" W       4/4/2011       Completions Date,         11: Fishing Club 7H       37-081:20386       11/3/2010       41*19'23.3" N       77*17'29.4" W       4/4/2011       Completions Date,         11: Fishing Club 9H       37-081:20386       11/3/2010       41*19'53.5" N       77*17'29.4" W       4/4/2011       Completions Date,         11: Fishing Club Unit 12H       37-081:20235       7/26/2010       41*19'53.5" N       77*16'57.1" W       3/16/2011       TD Date,         11: Z Fishing Club Unit 13H       37-081:20236       7/20/2010       41*19'53.5" N       77*16'57.4" W       4/20/2011       Date,	ntz Fishing Club 19H	37-081-20481	4/25/2011	1		4/25/2011	Suspend Operations Date	
Tiz Fishing Club 21H         37-081-20483         4/25/2011         4/25/2011         Suspend Operations Date           1z Fishing Club 22H         37-081-20485         4/25/2011         4/25/2011         Suspend Operations Date           1z Fishing Club 23H         37-081-20485         4/25/2011         4/25/2011         Suspend Operations Date           1z Fishing Club 3H         37-081-20485         4/25/2011         4/26/2011         Suspend Operations Date           1z Fishing Club 3H         37-081-20485         4/25/2010         41*19:23.6* N         77*17'31.4* W         1/8/2010         Shult-in Date           1z Fishing Club 7H         37-081-20387         11/2/2010         41*19'23.3* N         77*17'29.57* W         1/16/2011         Completions Date           1z Fishing Club 8H         37-081-20385         11/4/2010         41*19'23.3* N         77*17'29.57* W         1/16/2011         TD Date           1z Fishing Club 9H         37-081-20235         7/28/2010         41*19'53.5* N         77*16'57.1* W         3/16/2011         TD Date           1z Fishing Club Unit 12H         37-081-20236         7/29/2010         41*19'53.9* N         77*16'57.1* W         3/16/2011         TD Date           1z Fishing Club Unit 14H         37-081-20236         7/29/2010         41*19'53.9* N         77*16'57.4* W <td>17 Fishing Club 20H</td> <td>37-081-20482</td> <td>4/25/2011</td> <td>CARDING STREET, STREET</td> <td></td> <td>4/25/2011</td> <td>Suspend Operations Date</td>	17 Fishing Club 20H	37-081-20482	4/25/2011	CARDING STREET, STREET		4/25/2011	Suspend Operations Date	
12       Fishing Qub 22H       37-081-20384       4/25/2011       4/25/2011       Suspend Operations Date         1z       Fishing Club 23H       37-081-20485       4/25/2011       4/26/2011       Suspend Operations Date         1z       Fishing Club 3H       37-081-20485       4/25/2011       4/26/2011       Suspend Operations Date         1z       Fishing Club 3H       37-081-20387       11/2/2010       41*19:23.36*N       77*17'31.4*W       1/8/2010       Shult-in Date         1z       Fishing Club 3H       37-081-20387       11/2/2010       41*19'23.33*N       77*17'29.57*W       1/16/2011       Completions Date         1z       Fishing Club 9H       37-081-20385       11/4/2010       41*19'23.38*N       77*17'29.57*W       1/16/2011       TD Date         1z       Fishing Club 9H       37-081-20385       11/4/2010       41*19'53.5*N       77*16'57.1*W 3/16/2011       Completions Date         1z       Fishing Club Unit 12H       37-081-20236       7/20/2010       41*19'53.5*N       77*16'57.1*W 3/16/2011       TD Date         1z       Fishing Club Unit 13H       37-081-20236       7/20/2010       41*19'53.3*N       77*16'57.4*W 4/20/2011       TD Date         1z       Fishing Club Unit 14H       37-081-20238       7/22/2010       41*19'	17 Fishing Chih 21H	37-081-20483	4/25/2011	And a start of the		4/25/2011	Suspend Operations Date	
Itz Fishing Club 23H         37-081-20485         4/25/2011         4/26/2011         Suspend Operations Date           Itz Fishing Club 3H         37-081-20067         3/26/2008         41*19:23.6" N         77*17'31.4" W         18/2010         Shultin Date           Itz Fishing Club 3H         37-081-20387         11/2/2010         41*19'23.3" N         77*17'29.74" W         4/4/2011         Completions Date           Itz Fishing Club 7H         37-081-20386         11/3/2010         41*19'23.3" N         77*17'29.74" W         4/4/2011         Completions Date           Itz Fishing Club 8H         37-081-20385         11/4/2010         41*19'23.18" N         77*17'29.4" W         4/4/2011         Completions Date           Itz Fishing Club 9H         37-081-20235         7/20/2010         41*19'53.5" N         77*16'57.1" W         3/16/2011         ID Date           Itz Fishing Club Unit 12H         37-081-20236         7/20/2010         41*19'53.9" N         77*16'57.1" W         3/16/2011         ID Date           Itz Fishing Club Unit 13H         37-081-20236         7/20/2010         41*19'53.9" N         77*16'57.4" W         4/3/2011         ID Date           Itz Fishing Club Unit 14H         37-081-20238         7/22/2010         41*19'53.9" N         77*16'57.4" W         4/20/2011         ID Date	12 Fishing Club 22H	37-081-20484	4/25/2011	Call Manufactoria and	a state to the state of the sta	4/25/2011	Suspend Operations Date	
Itz Fishing Club 25H         OF 061 20100         72/2/2018         41*19:23.6" N         77*17'31.4" W         1/2/2010         Shultin Date           Itz Fishing Club 3H         37-081-20387         11/2/2010         41*19'23.33" N         77*17'31.4" W         1/2/2010         Shultin Date           Itz Fishing Club 7H         37-081-20387         11/2/2010         41*19'23.33" N         77*17'29.74" W         4/4/2011         Completions Date           Itz Fishing Club 8H         37-081-20386         11/3/2010         41*19'23.18" N         77*17'29.57" W         1/16/2011         TD Date           Itz Fishing Club 9H         37-081-20385         11/4/2010         41*19'53.5" N         77*16'57.1" W         3/16/2011         TD Date           Itz Fishing Club Unit 12H         37-081-20235         7/20/2010         41*19'53.5" N         77*16'57.1" W         3/16/2011         TD Date           Itz Fishing Club Unit 13H         37-081-20236         7/20/2010         41*19'53.3" N         77*16'57.1" W         3/16/2011         TD Date           Itz Fishing Club Unit 14H         37-081-20238         7/22/2010         41*19'53.3" N         77*16'57.4" W         4/3/2011         TD Date           Itz Fishing Club Unit 16H         37-081-20238         7/22/2010         41*19'53.8" N         77*16'57.4" W         4/20/2	Har Fishing Club 22H	37-081-20485	4/25/2011		STARS AND AND AN AN AN AVAILABLE AND	4/26/2011	Suspend Operations Date	
Izz Pishing Club Sr         Strost P20001         Strost P20001 <thstrost p20001<="" th=""></thstrost>	ILL FISHING GIUD ZOT	37.081.90067	3/06/2008	41410 23 6" MI	77817 31 44 141	1/8/2010	Shitin Dale	
Itz Pisning Club //it         S7-061-2030/         Itt/22010         41119-23.33 N         77 17 29.57* W         It/16/2011         Dompetions Date           Itz Fishing Club 8H         37-081-20386         11/3/2010         41* 19* 23.38* N         77* 17* 29.57* W         1/16/2011         TD Date           Itz Fishing Club 9H         37-081-20385         11/4/2010         41* 19* 23.38* N         77* 17* 29.57* W         4/4/2011         Completions Date           Itz Fishing Club Unit 12H         37-081-20235         7/20/2010         41* 19* 53.5* N         77* 16* 57.1* W         3/16/2011         TD Date           Itz Fishing Club Unit 13H         37-081-20236         7/20/2010         41* 19* 53.9* N         77* 16* 56.1* W         4/3/2011         TD Date           Itz Fishing Club Unit 14H         37-081-20236         7/20/2010         41* 19* 53.3* N         77* 16* 57* W         2/27/2011         TD Date           Itz Fishing Club Unit 14H         37-081-20238         7/22/2010         41* 19* 53.3* N         77* 16* 57* W         2/27/2011         TD Date           Itz Fishing Club Unit 16H         37-081-20238         7/22/2010         41* 19* 53.8* N         77* 16* 57.4* W         4/20/2011         TD Date           Itz Fishing Club Unit 17H         37-081-20238         7/22/2010         41* 19* 53.8* N         <	IZ PISING CIUD OF	127 001 20007	11/2/2010	41º 10 23 23* N	77*17' 10 74" W	4/4/2011	Completions Date	
Itz Fishing Club 8H       37-081-20380;       11/0/2010       41*19*12.03" N       77*17*29.4" W 4/4/2011       Completions Date         Itz Fishing Club 9H       37-081-20285       11/4/2010       41*19*12.03" N       77*17*29.4" W 4/4/2011       Completions Date         Itz Fishing Club Unit 12H       37-081-20235       7/20/2010       41*19*53.5" N       77*16*57.1" W 3/16/2011       TD Date         Itz Fishing Club Unit 13H       37-081-20236       7/20/2010       41*19*53.9" N       77*16*57.1" W 4/3/2011       TD Date         Itz Fishing Club Unit 14H       37-081-20236       7/20/2010       41*19*53.9" N       77*16*57.1" W 4/3/2011       TD Date         Itz Fishing Club Unit 14H       37-081-20236       7/20/2010       41*19*53.8" N       77*16*57.4" W 4/20/2011       TD Date         Itz Fishing Club Unit 16H       37-081-20238       7/22/2010       41*19*54" N       77*16*57.4" W 4/20/2011       TD Date         Itz Fishing Club Unit 16H       37-081-20238       7/22/2010       41*19*54" N       77*16*57.3" W 4/3/2011       TD Date         Itz Fishing Club Unit 17H       37-081-20238       7/22/2010       41*19*53.8" N       77*16*57.3" W 4/3/2011       TD Date         Itz Fishing Club Unit 17H       37-081-20239       7/22/2010       41*19*53.8" N       77*16*57.3" W 4/13/2011       TD Date	itz Fishing Club /H	07.001-2008/	1122010	41 18 23.35 N	7794/2.00 C78 M	1/1/2011		
Itz Fishing Club 9H         37-081-20385         11/4/2010         41*19*12.03* N         77*17*29.4* W 4/4/2011         Completions Date           Itz Fishing Club Unit 12H         37-081-20235         7/20/2010         41*19*53.5* N         77*16*57.1* W 3/16/2011         TD Date           Itz Fishing Club Unit 13H         37-081-20236         7/20/2010         41*19*53.9* N         77*16*57.1* W 4/3/2011         TD Date           Itz Fishing Club Unit 13H         37-081-20236         7/20/2010         41*19*53.9* N         77*16*57* W 2/27/2011         TD Date           Itz Fishing Club Unit 14H         37-081-20236         7/20/2010         41*19*53.9* N         77*16*57* W 2/27/2011         TD Date           Itz Fishing Club Unit 16H         37-081-20238         7/22/2010         41*19*54* N         77*16*57.4* W 4/20/2011         TD Date           Itz Fishing Club Unit 17H         37-081-20238         7/22/2010         41*19*53.8* N         77*16*57.3* W 4/13/2011         TD Date           Itz Fishing Club Unit 17H         37-081-20239         7/22/2010         41*19*53.8* N         77*16*57.3* W 4/13/2011         TD Date           Itz Fishing Club Unit 17H         37-081-20239         7/22/2010         41*19*53.8* N         77*16*57.3* W 4/13/2011         TD Date	itz Fishing Club 8H	37-001-20386	11/3/2010	41 19 23.18 N	11 17 29.51 W	1/10/2011	C Date 1 C Date 1 C Date	
Itz Fishing Club Unit 12H         37-081-20235         7/20/2010         41*19*53.5* N         77*16*57.1* W 3/16/2011         TD Date           Itz Fishing Club Unit 13H         37-081-20246         7/21/2010         41*19*53.9* N         77*16*57.1* W 4/3/2011         TD Date           Itz Fishing Club Unit 13H         37-081-20236         7/20/2010         41*19*53.9* N         77*16*57* W 2/27/2011         TD Date           Itz Fishing Club Unit 14H         37-081-20236         7/20/2010         41*19*53.3* N         77*16*57* W 2/27/2011         TD Date           Itz Fishing Club Unit 16H         37-081-20238         7/22/2010         41*19*53.8* N         77*16*57.4* W 4/20/2011         TD Date           Itz Fishing Club Unit 17H         37-081-20238         7/22/2010         41*19*53.8* N         77*16*57.3* W 4/13/2011         TD Date           Itz Fishing Club Unit 17H         37-081-20239         7/22/2010         41*19*53.8* N         77*16*57.3* W 4/13/2011         TD Date           Itz Fishing Club Unit 17H         37-081-20239         7/22/2010         41*19*53.8* N         77*16*57.3* W 4/13/2011         TD Date           Itz Fishing Club Unit 17H         37-081-20239         7/22/2010         41*19*53.8* N         77*16*57.3* W 4/13/2011         TD Date	itz Fishing Club 9H	37-081-20385	11/4/2010	41-19 12.03 N	//*1/ 29.4" W	4/4/2011	Completions Date	
Itz Fishing Club Unit 13H         37-081-20246         7/21/2010         41*19' 53.9* N         77*16' 56.1* W 4/3/2011         TD Date           Itz Fishing Club Unit 14H         37-081-20236         7/20/2010         41*19' 53.9* N         77*16' 57* W 2/27/2011         TD Date           Itz Fishing Club Unit 16H         37-081-20238         7/22/2010         41*19' 54* N         77*16' 57* W 2/27/2011         TD Date           Itz Fishing Club Unit 16H         37-081-20238         7/22/2010         41*19' 54* N         77*16' 57.4* W 4/20/2011         TD Date           Itz Fishing Club Unit 17H         37-081-20239         7/22/2010         41*19' 53.8* N         77*16' 57.3* W 4/13/2011         TD Date           Valioton com         Page 5/8         Page 5/8         Report Printed: E/22/0014         E/22/2014	tz Fishing Club Unit 12H	37-081-20235	7/26/2010	41°19'53.5* N	77*16'57,1"W	16(2011	D Date	
Itz Fishing Club Unit 14H         37-981-20236         7/20/2010         41* 19 53.3* N         77* 16* 57* W 2/27/2011         TD Date           Itz Fishing Club Unit 16H         37-081-20238         7/22/2010         41* 19' 54* N         77* 16' 57.4* W 4/20/2011         TD Date           Itz Fishing Club Unit 17H         37-081-20239         7/22/2010         41* 19' 53.8* N         77* 16' 57.3* W 4/13/2011         TD Date           Itz Fishing Club Unit 17H         37-081-20239         7/22/2010         41* 19' 53.8* N         77* 16' 57.3* W 4/13/2011         TD Date           Veloton com         Page 5/8         Report Printed: E/22/0014         E/22/2014	tz Fishing Club Unit 13H	37-081-20246	7/21/2010	41° 19' 53.9" N	77°16'56.1" W	/3/2011	TD Date	
Itz Fishing Club Unit 16H         37-081-20238         7/22/2010         41*19' 54* N         77*16' 57.4* W 4/20/2011         TD Date           Itz Fishing Club Unit 17H         37-081-20239         7/22/2010         41*19' 53.8* N         77*16' 57.3* W 4/13/2011         TD Date           Veloton com         Page 5/8         Page 5/8         Report Printed: E/20014	itz Fishing Club Unit 14H	37-081-20236	7/20/2010	41°19'53.3" N	77*16 57* W	2/27/2011	D Date	
Itz Fishing Club Unit 17H 37-081-28239 7/22/2010 41° 19' 53.8° N 77' 16' 57.3" W #/13/2011 TO Date	Itz Fishing Club Unit 16H	37-081-20238	7/22/2010	41° 19' 54" N	77*16' 57.4" W	/20/2011	TD Date	
Pane 5/8 Penert Printed: Elophotet	tz Fishing Club Unit 17H	37-081-20239	7/22/2010	41° 19' 53.8* N	77"16'57.3" W	/13/2011	(D Date	
	seloton com	and the second se	and the second se	Page 5/8	the second s	C	Penart Drintad. E/22/2014	

## Well List Info for EPA Reporting

Attachment B

# 

o Valley LBC Unit 1         37.125-22420         10/19/2005         40116 4.9 M         80126 57.5 W         127.172010         Suspend Openal           o Valley LBC Unit 721         37.125-24144         11/16/2010         40116 37.5 M         80126 57.5 W         11/17/2010         Suspend Openal           o Valley LBC Unit 721         37.125-24147         11/16/2010         40116 37.5 M         80726 57.5 W         11/17/2010         Suspend Openal           o Valley LBC Unit 721         37.125-24147         11/16/2010         40116 37.5 M         80726 57.5 W         11/17/2010         Suspend Openal           o Valley LBC Unit 721         57.125-22143         11/16/2010         40116 3.5 M         80726 57.5 W         11/16/2010         A0116 3.5 M         A07215 32.4 W         11/16/2010         A0116 3.5 M         A07215 35.4 W         11/16/2010         A0116 3.5 M         A07215 35.1 W         11/16/2010         Tun Ch Poduct           o Valley LBC Unit 81         37.125-24443         11/15/2010         40116 3.6 M         A0721 55.4 W         11/16/2010         Tun Ch Poduct           o Valley LBC Unit 81         37.125-24353         51/12/2007         40116 13.6 M         A0721 55.4 W         10/12/2017         Tun Ch Poduct           0 Valley LBC Unit 81         37.125-24353         51/12/2007         40116 13.6 M	Well Nathe	API	Orig Spud Date	Lesiude (DM5)	Conditude (OMS) Date	Type I de la serie
0. Valley USC UN1197 0. Valley USC UN1197	alley LBC Unit 1	37-125-22420	10/19/2006	40"16" 4.9" N	80*20 52.3 W 12/21/2006	Turn On Production Date
0 Zalay LBC Uni 12/1 0 Zalay LBC Uni 12/1 12/22/24/14/2 11/16/22/10 4/0 / 6 3/ 0 / 5 / 7 / 8 6/ 20 83 / 9 / 11/17/2010 12/22/24/14/2 11/16/22/10 4/0 / 6 3/ 0 / 5 / 7 / 8 6/ 20 83 / 9 / 11/17/2010 12/22/24/24 11/16/22/10 4/0 / 6 3/ 0 / 5 / 7 / 8 6/ 20 83 / 9 / 11/17/2010 12/24/24/24 11/16/22/10 4/0 / 6 / 3 / 7 / 8 10/27/2010 12/24/24/24 11/16/22/10 4/0 / 6 / 3 / 7 / 8 10/27/2010 12/24/24/24 10/22/2010 10/24/24/24 10/22/2010 10/24/24/24 10/22/24/24	alley LBC Unit 11H	37-125-24148	11/16/2010	40"16"37.5" N	80°20'59.15' W 11/17/2010	Suspend Operations Date
2 Valey LB: Unit UH 2 Valey LB: Unit UH 3 Valey LB: Unit UH 3 Valey LB: Unit UH 3 Valey LB: Unit UH 3 Valey LB: Unit 2 3 Valey LB: Unit 3 3 Valey LB: Unit 3 3 Valey LB: Unit 3 3 Valey LB: Unit 3 3 Valey LB: Unit 4 3	alley LBC Onit 12H	37-125-24147	11/16/2010	40"16"37.67" N	80-20-59.27 W 11/17/2010	Suspend Operations Date
9 Jang USC MIL (M1         201-169.21123         1111122000         401-169.3125         401-169.3125         401-169.3125         111122000         1111122000         401-169.3125         111122000         1111122000         401-169.3125         111122000         1111122000         401-169.3125         111122000         111112200         111122000         111112200         111112200         111112200         111112200         111112200         111112200         111112200         111112200         111112200         1111112200         111112200         111112200         111112200         111111200         111111200         111111200         111111200         1111111200         111111111111111111111111111111111111	alley LBC Unit 15H	37-129-24140	11/16/2010	40 10 37,37 N	80°20'50 201 W 41/47/2010	Resume Operations Date
Output Description         Description         Part 1/22/2010         Part 1	Alley LBC Unit 15h	37-125-24149	11/10/2010	40 10 37.00 N	00 20 59.39 W 11/17/2010	Suspend Operations Date
0 Zaley LBC Unit 2 0 Zaley LBC Unit 2 0 Zaley LBC Unit 4 37-122-22433 0 Zaley LBC Unit 4 37-122-22433 0 Zaley LBC Unit 4 37-122-22433 0 Zaley LBC Unit 4 37-122-22433 0 Zaley LBC Unit 4 37-122-22435 0 Zaley LBC Unit 4 37-122-22435 0 Zaley LBC Unit 4 37-122-22435 0 Zaley LBC Unit 4 37-122-22435 0 Zaley LBC Unit 6 37-122-22435 0 Zaley LBC Unit 6 37-122-22435 0 Zaley LBC Unit 8 37-122-22435 0 Zaley LBC Unit 8 37-122-22436 0 Zaley LBC Unit 8 37-122-22436	Hey LOG Unit 2	37 125 22414	11/10/2010	40 10 37,32 N	80°20 25 25 W 110172010	Suspend Operations Date
0. Valley BC Unit 4         37.25:25230         67.2003         47.167.267         80.21.635.47         V2122000         (Unit On Product Display BC Unit 6           Valley LBC Unit 6         107.225:22435         122220306         40°16.152.17.4         80°20*26.7*         W11762010         Tum On Product Display BC Unit 6           Valley LBC Unit 8H         57.225:2445         122220306         40°16.132.7*         80°20*26.7*         W11762010         Tum On Product Display BC Unit 8H           57.125:22435         61220.21.5*         W11762010         40°16.34.2*         80°20*26.21.5*         W1170201         Tum On Product Display BC Unit 8H           57.125:22537         6722.000         40°16.34.2*         80°20*26.2*         W1170201         Tum On Product Display BC Unit 8H         80°15.30.1*         W1220010         Tum On Product Display BC Unit 8H         80°27*26.2*         W1170201         Tum On Product Display BC Unit 8H         80°27*26.2*         W1170201         Tum On Product Display BC Unit 8H         80°15*30.1*         W1220010         Tum On Product Display BC Unit 8H         80°15*30.1*         W1220010         Tum On Product Display BC Unit 8H         80°15*30.1*         W1221011         TU Display BC Unit 8H         80°15*30.1*         W1221011         TU Display BC Unit 8H         80°15*30.1*         W1221011         TU Display BC Unit 8H         W1221011         TU Disp	siley LBC Unit 2	37-123-22414	11/23/2000	40 10 30.3 N	00 20 35.2 W 1/10/2007	Turn On Production Date
Origing LEC Unit 6         Origing	allow I BC Linit A	37.105.00423	6/15/20007	40, 10, 30 14	00 21 10:0 VV 12/20/2000	Turn On Production Date
Oracle Contraint         37-125-241-00         1711522010         401 16 1.0 Contraint         402 16 2.0 St 5T W 171/20210         Suspend Cperal           Valey LEC Unit RH         37-125-241-00         401 16 13.7 M         80° 20.2 St 5T W 171/20210         Tum Ch Product           Valey LEC Unit RH         37-125-2233.5         430/2007         40° 16 13.7 M         80° 20.2 St 5T W 171/20210         Tum Ch Product           Valey LEC Unit RH         37-125-2233.5         51/20007         40° 16 30.1 W         80° 20° 23.2 W 1711/20210         Tum Ch Product           Valey LEC Unit RH         37-125-2335.7         62/20009         40° 15 30.1 W 10/20210         Tum Ch Product           Valey LEC Unit RH         37-125-2335.7         62/20009         40° 15 30.1 W 10/20210         Tum Ch Product           Valey LEC Unit RH         37-125-24/24.8         91/30/10         40° 16° 23.1 %         80° 15° 30.1 W 10/20210         Tum Ch Product           Valey LEC Unit RH         37-125-24/25.0         91/30/10         40° 16° 23.1 %         80° 15° 30.1 W 10/202100         Tum Ch Product           Valey LEC Unit RH         37/125-24/24.4         91/30/10         40° 16° 23.1 %         80° 15° 30.1 W 10/202100         Tum Ch Product           Valey LEC Unit RH         37/125-24/24.4         91/30/10         40° 16° 23.5 %         80° 15° 30.1 W 10/202100	disation used	37 125-22435	10/10/2007	40 10 10.3 N	00 21 13.4 W 2122007	Turn On Production Date
Or Barly Lee On Ref         Diff. 1992,2932         Control State         Diff. 2000         Control State         Con	May LBC Unit al	37-125-24145	11/15/2010	40 10 21.0 14	80°20'50 51* W 11/18/2010	Furneed Operations Date
31         122-2233         430/2007         40° 16         13. N         80° 19         25. S' M (9/2007)         Tum On Product           37.125-2235         51/20007         40° 16         32. N         80° 20° 23. Z'''         77.111         Tum On Product           37.125-22357         62/20009         40° 15         38. N         80° 20° 23. Z'''         77.111         Tum On Product           37.125-23357         62/20009         40° 15         38. N         80° 20° 15         97.92000         Tum On Product           37.125-23356         62/20009         40° 15         38. N° 15° 30.13° W         12/20° 11         TD Date         77.92000         40° 16° 23. N° 80° 15° 30.13° W         12/20° 10°         Tum On Product           37.125-24426         913/2010         40° 16° 23. N° 80° 15° 30.13° W         12/21° 21° 10°         Date         77.125·24260         10° 10° 10°         10° 10° 10°         10° 10°	siley Loc On on	17-120-24140	11/13/2010	40 10 30.02 W	B0 20 33.51 W 11/10/2010	Turn On Draductice Date
01-16-2-2362         21-18000         40-16-04.12         M         02-20-33         W 81/12/2017         Tum On Product           13-125-22367         51/22007         40-16-04.12         M         80'20'2-33         W 81/12/2017         Tum On Product           13-125-22367         51/22007         40'16'38-N         80'20'2-15.5''M 92/202010         Tum On Product           13'125-23368         62/5/2009         40'16'38'N         80'20'15.5''M 92/202010         Tum On Product           13'125-23368         62/5/2009         40'16'23.7'N         80'15'30.1'W 41/22/10'10         Bugend Operatin           13'125-23464         91'3/2010         40'16'23.7'N         80'15'30.1'W 41/22/10'10         Date           13'125-23464         91'3/2010         40'16'16'N         80'15'30.1'W 41/20/2011         TD Date           13'125-23467         11/3/2008         40'16'16'N         80'15'16'N 41/12/2008         Tum On Product           13'125-23057         10/25/2008         40'16'16'N         80'15'16'N 41/12/2008         Tum On Product           13'125-23057         10/25/2008         40'16'3'N 80'16'14'N 10/24/2008         Tum On Product           13'125-23057         10/25/2008         40'16'3'N 80'16'15'N 10'17'N 22/2008         Tum On Product           13'125-23057         10/25/2008	· · · · · · · · · · · · · · · · · · ·	37 125 22632	4/20/2007	40 10 10.7 N	80° 10' 58 0° W 6/2/00/7	Yum On Production Date
37         125         223         512         126         227         220         220         171         172           37         125         2337         622         320         40         115         80         220         120         220         120         15         W         3202016         Tum On Product           37         125         2326         62         15         30         15         30         15         30         120	mthomatic sthe Story in Lotst	37-125-22555	51110007	40 10 13.0 N	80*20 42* W 8/47/2007	Turn On Production Date
Bit 19:222300         Bit 19:30:1 h         Bit 20:15:5 // W 3/20/2010         Tum Cin Product           37:12:223356         Bit 2/010         40'16'3:8 h         B0'20'15:2 // W 3/20/2010         Tum Cin Product           37:12:223456         Bit 2/010         40'16'23:7 h         B0'15'30:13' W 11/22/2011         Duale           37:12:224246         Bit 3/2010         40'16'23:7 h         B0'15'30:13' W 11/22/2011         Duale           37:12:2242450         Pit 3/2010         40'16'23:7 h         B0'15'30:13' W 11/22/2011         Duale           37:12:224250         Pit 3/2010         40'16'23:7 h         B0'15'30:12' W 11/22/2011         Duale           37:12:224250         Pit 3/2010         40'16'23:5 h         B0'15'30:12' W 11/22/2001         Tum Cin Product           37:12:224250         Pit 3/2010         40'16'27.5 h         B0'15'0:12' W 11/22/2006         Tum Cin Product           37:12:22846         Pit 1/22/200         40'16'27.5 h         B0'15'0:2' W 12/22/2006         Tum Cin Product           37:12:22842         Pit 2/25'N         B0'15'0:2' W 12/22/2006         Tum Cin Product           37:12:22842         Pit 2/25'N         B0'17'0:2' W 11/12/200         Tum Cin Product           37:12:22842         Pit 2/25'N         B0'17'2:2' W 11/12/200         Tum Cin Product           <	STREET OF COMPANY OF STREET CONSIST	37.125.22530	5/12/2007	40 10 40.2 M	80°20' 20 2° W 7/11/2007	Turn On Production Date
37         125         23358         625/2009         40° 15° 36° 1         80° 15° 30.15° W         32/202010         Tum On Product           37         125         223566         914/2010         40° 16° 23.6° 1         80° 15° 30.15° W         127/2010         Supper Operation           37         125         224243         913/30010         40° 16° 23.1° N         80° 15° 30.15° W         127/2010         Supper Operation           37         125         224243         913/2010         40° 16° 23.1° N         80° 15° 30.15° W         127/2011         1D Date           37         125         224253         913/2010         40° 16° 16° N         80° 15° 30.15° W         127/2011         1D Date           37         125         223/200         40° 16° 16° N         80° 15° 34° W         127/200         10° 00 n         00° 16° 27.4° W         127/200         10° 00 n         00° 16° 27.4° W         127/200         10° 00 n         00° 16° 27.4° W         127/200         10° 00 n	CONCERCION NEWSFERSTON	37.125-22357	6/25/2007	ANTE SEAM	80120 15 81 W 920/2010	Turn On Production Date
37         226         32569         814/2010         40°16° 23.8°         80°15° 30.13°         415/2011         10 Date           37-125         24248         917/3/010         40°16° 23.7°         80°15° 30.13°         12/21/2010         Supped Openals           37-125         24249         917/3/010         40°16° 23.7°         80°15° 30.13°         12/21/2010         Date           37-125         24249         917/3/010         40°16° 23.5°         80°15° 30.13°         12/21/2010         Date           37-125         24249         917/3/2010         40°16° 15°         80°15° 30.13°         12/21/2010         Date           37-125         22849         11/3/2008         40°16° 15°         80°15° 0.22°         14/22008         10° Date           37-125         22800         11/3/2008         40°16° 35.5°         80°15° 0.22°         137.13°         13/23/2009         10° Don Produce           37-125         22800         10/22/200         40°17° 30°         80°15° 32.2°         110° 10° 10° 10°         10° 15° 12°         110° 10° 10° 10°           37-125         22800         10/22/200         40°17° 12°         110° 10° 10° 10° 10°         10° 10° 12°         10° 10° 10°         10° 10° 10°           37-125         228000	CONCRETE ON THE OWNER	37.125.23358	6/25/2009	40"15' 36" N	80°20' 1 5 9° W 3/20/2010	Turn On Production Date
J7-125-24248         \$132010         40°16°23.7 N         50°15°30.13° W         12212010         Supperd Operating           37/125-24284         9132010         40°16°23.5 N         80°15°30.13° W         12212010         To Date           37/125-24284         9132010         40°16°23.5 N         80°15°30.13° W         1221211         To Date           37/125-24284         9132010         40°16°23.5 N         80°15°30.13° W         1422011         To Date           37/125-24284         9132010         40°16°23.5 N         80°15°30.13° W         1422011         To Date           37/125-22891         7132008         40°16°27.6 N         80°15°3.13° W         1922/2009         Tum On Product           37/125-22891         71320008         40°16°27.6 N         80°15°2.7 W         80°17°5.2 N         107202009         Tum On Product           37/125-22891         71220007         40°17°3.0 N         80°14°5.3 W         80°14°5.3 W         80°16°5.3 W         1072000         Tum On Product           37/125-22891         71220007         40°17°2.2 N         8°117°2.3 W         80°14°5.3 W         80°14°5.3 W         1072000         Tum On Product           37/125-22891         7126/2084         91020007         40°17°2.2 N         80°117°3.3 W         1072000         Tu	USERALAL COMPLEX SHE	37.125-23506	0/14/2010	40"16" 23.80" N	80°15'30 13" W 4/15/2011	TD Date
37:125:24260         913/2010         40°16/231+R         80°15'30.TW         9/21/2011         TO Date           37:125:24250         913/2010         40°16/23.5*N         80°15'30.TW         9/2/2011         TD Date           37:125:24250         913/2010         40°16/23.5*N         80°15'30.TW         9/2/2011         TD Date           37:125:22835         11/3/2008         40°16/16*N         80°15'30.TW         9/2/2008         TUM COP Product           37:125:22836         11/3/2008         40°16'16'N         80°15'13'W         10/2/2008         Tum CoP Product           37:125:22817         10/2/2008         40°16'16'N         80°15'0.2*W         80'15'0.20*W         10/2/2008         Tum CoP Product           37:125:22817         10/2/2007         40°16'15'3.0*N         80°15'3.3*W         80'16'2.0*W         10/2/2008         Tum CoP Product           37:125:22817         17/2/2007         40°17'1.2 *N         80'14'4.3*W         10/2/2007         Tum CoP Product           37:125:22817         17/2/2007         40°17'1.2 *N         80'14'4.4 *Y         10/2/2007         Tum CoP Product           37:125:22844         11/2/2017         40°17'1.2 *N         80'14'4.4 *Y         10/2/2007         Tum CoP Product           37:125:22844         14/2011	ALL CONTRACTOR OF	37,125,24248	9/13/2010	40" 16' 23.7" N	80°15' 30 13" W 12/21/2010	Suspend Operations Date
37         125         24250         913/2010         40°16 23.5 °N         80°15 30.11 °W         913/2011         1D Date           37         125.24254         913/2010         40°16 23.5 °N         80°15 30.11 °W         973/2011         TD Date           37         125.23359         114/2008         40°16 30.15 °W         80°15 30.11 °W         973/2000         Tum On Product           37         125.23059         114/2008         40°16 27.6 °N         80°15 13.7 °W         923/2009         Tum On Product           37         125.23057         10/25/2008         40°16 27.6 °N         80°15 13.7 °W         923/2009         Tum On Product           37         125.23057         10/25/2008         40°16 37 °N         80°14 54.6 °W         10/23/2000         Tum On Product           37         125.23050         10/25/2008         40°15 30°N         80°14 53.3 °W         45/2000         Tum On Product           37<125.22305	States and the states of the states	37-125-24240	g/13/2010	40" 16" 23 1" N	80° 15' 30 1"W 4/21/2011	TO Date.
37.125.2424.1         91.12.200         40.116.23.57.11         90.12.30.12.W ##02.011         10.000           37.125.22.289         27.22.2006         40.116.13.67.W ##02.011         Tum Cn. Preduction           37.125.22.289         17.12.2018         40.116.13.67.W ##02.001         Tum Cn. Preduction           37.125.22.289         17.13.2008         40.116.23.67.W #02.2008         Tum Cn. Preduction           37.125.22.2807         17.13.2008         40.116.27.6*.N         80.115.13.7.W #232.2009         Tum Cn. Preduction           37.125.22.2807         17.13.2008         40.116.2.6.6*.N         80.115.13.7.W #232.2009         Tum Cn. Preduction           37.125.22.2917         17.22.2.2007         40.117.25.2.F         N. 80.114.56.6*.W 10.22.2009         Tum Cn. Preduction           37.125.2.2917         17.22.2.2.007         40.117.25.2.F         N. 10.112.2.0*.N         80.114.45.05*.W 10.22.2009         Tum Cn. Preduction           37.125.2.272.1         14.2007         40.177.25.2.F         N. 10.112.2.0*.N         80.114.44.35*.W 10.22.2007         Tum Cn. Preduction           37.125.2.272.1         14.2007         40.177.25.2.F         N. 10.114.44.25*.W 10.22.2007         Tum Cn. Preduction           37.125.2.272.1         14.2007         40.177.12.5*.N         80.144.43.5*.W 10.22.2001         Tum Cn.Preduction		37-125-24250	9/13/2010	40"16" 23 3" N	80°15'30 11" W 5/1/2011	ITD Date
37-125-22889         Z22/2006         40°16°16°16°1N         80°15°8.4°.W 4/1/2008         TD Date           37-125-22859         11/4/2008         40°16°3.5°N         80°15°13°U         4/4/2008         Tum On Producti           37-125-22859         11/3/2008         40°16°3.5°N         80°15°13°U         4/102/2008         Tum On Producti           37-125-22856         31/2/2008         40°16°2.7.8°N         80°15°13°U         4/2/23/2008         Tum On Producti           37-125-22951         10/2/2008         40°16°3.3°N         80°14°5.4°V         10/2/2008         Tum On Producti           37-125-22901         17/3/2/2007         40°15°3.0°N         80°14°5.3.5°W         10/2/2/2007         Tum On Producti           37-125-22905         8/2/1/2007         40°17°2.2.5°N         80°17°5.2.7°W         10/2/2/2007         Tum On Producti           37-125-22905         8/2/1/2007         40°17°2.2.5°N         80°14°4.4.2.7°W         10/2/2/2007         Tum On Producti           37-125-22705         14/2/011         40°5°2.7.0°N         80°14°4.4.2.7°W         10/2/2/11         Suppend Operatidi           37-125-22705         14/2/011         40°5°2.7.0°N         80°14°4.4.2.7°W         10/2/2/11         Suppend Operatidi           37-125-22705         14/2/011         40°5°2.7.0°N <td>States and the second second second</td> <td>37,125,24251</td> <td>9/13/2010</td> <td>40"16"23.5" N</td> <td>80°15' 30.12" W 4/8/2011</td> <td>TD Date</td>	States and the second second second	37,125,24251	9/13/2010	40"16"23.5" N	80°15' 30.12" W 4/8/2011	TD Date
37.125-21355         11/12/2008         40° (b 3.5.5 * N)         80° 15' 0.2° W 4/239200         Tum Cr, Preduck           37.125-22897         11/3/2008         40° 16' 2.7.8° N         80° 15' 0.2° W 4/2392008         Tum Cr, Preduck           37.125-23057         10/25/2008         40° 16' 2.7.8° N         80° 15' 0.2° W 4/2392009         Tum Cr, Preduck           37.125-23057         10/25/2008         40° 16' 3.5 6° N         80° 15' 0.2° W 4/2392009         Tum Cr, Preduck           37.125-23091         10/25/2008         40° 15' 3.5 ° W         80° 14' 6.5 3° W 10/23/2009         Tum Cr, Preduck           37.125-23091         10/32/2007         40° 17' 2.5 ° W         80° 17' 42.7 ° W 10/22/2007         Tum Cr, Preduck           37.125-23005         82'12/2007         40° 17' 2.5 ° W         80° 17' 42.7 ° W 10/22/2007         Tum Cr, Preduck           37.125-24275         14/4/2011         40° 5' 2/0 15' N         80° 14' 4.4.5 ° W 10/22/2007         Tum Cr, Preduck           37.125-24276         14/4/2011         40° 5' 2/0 15' N         80° 14' 4.4.5 ° W 15/2011         Suspend Operatk           37.125-24276         14/4/2001         40° 15' 2.0 1'' N         80° 11' 4.4.5 ° W 15/2011         Suspend Operatk           37.125-24275         14/2001         40° 16' 5' 2.0 1'' N         80° 11' 4.4.5 ° W 15/2011         Suspend Operatk <td>a religit consistent and and</td> <td>37-125-22899</td> <td>2/22/2008</td> <td>- 40*16' 16" N</td> <td>80°15'84".W.4/1/2008</td> <td>TD Date</td>	a religit consistent and and	37-125-22899	2/22/2008	- 40*16' 16" N	80°15'84".W.4/1/2008	TD Date
37.125.22887         1/13/2008         40°16° 27.8° N         80°15° 14° W         10/24/2008         Tum On Production           37.125.20561         31/22/2068         31/22/2068         31/25/207         30°15° 13° W         15° 13° W         10/22/2009         Tum On Production           37.125.20571         31/225/2068         40°16° 356° W         80°15° 02° W         32/2009         Tum On Production           37.125.22941         70/25/2008         40°16° 356° W         80°15° 14° K4.6° W         10/23/2009         Tum On Production           37.125.22901         10/32/2007         40°17° 12° L°         N         80°17° 23° W         10/22/2007         Tum On Production           37.125.22805         8/21/2007         40°17° 25° N         80°17° 23° W         10/22/2007         Tum On Production           37.125.24273         14/2011         40°5° 27.15° N         80°14° 45.27° W         10/22/2007         Tum On Production           37.125.24276         14/4/2011         40°5° 27.15° N         80°14° 45.27° W         10/22/2007         Tum On Production           37.125.24276         14/4/2011         40°5° 27.15° N         80°14° 45.27° W         10/22/2007         Tum On Production           37.125.24276         14/4/2011         40°5° 27.5° N         80°17° 5.3° W         10/2000	100000000000000000000000000000000000000	37.126-23359	11/4/2008	40"Y6135 5" N	80° 15: 0 2" W 4/2 92009	Tum On Production Date
37.125.23058         39.22008         40°16° 27.6° N         80°15° 37.7° M 323/2009         Turn On Products           37.125.23057         1025/2008         40°16° 35.6° N         80°15° 0.2° W 4/23/2009         Turn On Products           37.125.22941         117/22007         40°15° 1.6° N         80°15° 0.2° W 4/23/2009         Turn On Products           37.125.22950         107/2007         40°17° 1.6° N         80°17° 2.2° W 10/22/2007         Turn On Products           37.125.22864         917/2007         40°17° 1.6° N         80°17° 4.2° W 10/22/2007         Turn On Products           37.125.22874         917/2007         40°17° 1.6° N         80°17° 4.2° W 10/22/2007         Turn On Products           37.125.22874         917/2011         40°5 27.0° N         80°14° 4.45.2° W 10/22/2007         Turn On Products           37.125.22476         14/2011         40°5 27.0° N         80°14° 4.45.2° W 10/22/2007         Turn On Products           37.125.22074         531/2003         40°16° 59.3° N         80°117° 1.3° W 93/2000         Turn On Products           37.125.22075         614/2001         40°16° 59.3° N         80°117° 3.3° W 10/20/2007         Turn On Products           37.125.2207         91/2010         40°16° 59.3° N         80°17° 1.3° W 91/20/2005         Turn On Products           37.125.2207	CONTRACTOR ACCOUNTS	37-125-22897	1/13/2008	40° 18' 27 8" NI	80° 15' 14" W 10/24/2008	Turn On Production Date
37.125.23057         10/25/2008         40°16°         35.6° N         80°15°0.2° W         V/23/2009         Tum On Products           37.125.22941         17/25/22941         17/25/22941         17/25/22008         40°15°3.0°         80°14°5.3° W         40/2009         Tum On Products           37.125.22950         10/32/2007         40°17°1.6° N         80°14°5.3° W         15/2007         Tum On Products           37.125.22864         94/12007         40°17°2.5° N         80°17°2.5° W         10/22/2007         Tum On Products           37.125.22864         94/12007         40°17°2.5° N         80°17°2.5° W         10/22/2007         Tum On Products           37.125.22874         14/2011         40°5 27.16° N         80°17°4.3° S° W         10/22/2007         Tum On Products           37.125.24276         11/4/2011         40°5 27.16° N         80°17°4.44.4° W         10/5/2011         Suspend Operats           37.125.22074         53/12/2003         40°16 5.86° N         80°17°1.11.4° W         10/5/2011         Suspend Operats           37.125.22074         53/12/2005         40°16 5.86° N         80°17°.11.5° W         93/2008         Tum On Products           37.125.222075         51/4/2007         40°16 5.86° N         80°17°.16 5.31° W         10/20/2007         Tum On Products <td>A MARTIN PROVIDENT AND COMPANY</td> <td>37-125-23056</td> <td>3/12/2008</td> <td>40116-27 8" N</td> <td>80°15'13 7" W 323/2009</td> <td>Turn On Production Fia te</td>	A MARTIN PROVIDENT AND COMPANY	37-125-23056	3/12/2008	40116-27 8" N	80°15'13 7" W 323/2009	Turn On Production Fia te
37.125-22942         17.122007         40°15 16°N         80°14*53.5°W         10/23/2008         fum On Products           37.125-22901         10/2007         40°15'30°N         80°14*53.5°W         41/25200         fum On Products           37.125-22905         8/21/2007         40°17'5.5°V         80°17*53.7°W         10/22/2007         fum On Products           37.125-22905         8/21/2007         40°17'2.5.2°N         80°17*42.7°W         10/22/2007         fum On Products           37.125-22785         8/21/2007         40°17'2.5.2°N         80°14*44.27°W         10/22/2007         fum On Products           37.125-24273         1/4/2011         40°5'27.0°N         80°14*44.27°W         10/22/201         Suppend Operats           37.125-24276         1/4/2011         40°5'27.0°N         80°14*44.52°W         1/5/2011         Suppend Operats           37.125-22074         5/31/2003         40°16'5.91°N         80°17'3.3°W         12/72005         Tum On Product           37.125-22075         5/31/2003         40°16'5.91°N         80°17'3.3°W         12/72005         Tum On Product           37.125-22076         6/14/2007         40°16'5.91°N         80°17'3.3°W         12/72005         Tum On Product           37.125-228389         10/8/2009         40°15'5.31°N	Contraction Contraction Contraction	37-125-23057	10/25/2008	40° 16' 35.6" N	80° 15' 0 2" W 4/23/2009	Turn On Production Date
37.125-22991         7/26/2008         40°15' 30° N         80°14' 53.3° N         80°17' 52.7° N         11/12/2009         fum On Products           37.125-22056         82/12/2007         40°17' 16' N         80°17' 42.7° U10/22/2007         100° DProducts         37.125-22064         91/12/2011         80°14' 42.7° W         10/22/2007         100° DProducts           37.125-24273         11/12/2011         40°5' 27.0° N         80°14' 44.27° W         10/22/2007         100° DProducts           37.125-24276         11/12/2011         40°5' 27.0° N         80°14' 44.27° W         10/5/2011         Suspend Operats           37.125-24276         11/12/2011         40°5' 27.0° N         80°14' 44.37° W         15/2011         Suspend Operats           37.125-22076         5/31/2003         40°16' 58.5° N         80°17' 3.3° W         12/7/2005         Tum On Products           37.125-22705         5/13/2003         40°16' 53.5° N         80°17' 3.3° W         12/7/2005         Tum On Products           37.125-22705         5/13/2003         40°16' 55.3° N         80°17' 3.3° W         12/7/2008         Tum On Products           37.125-2283         4/30/2007         40°16' 55.3° N         80°21' 45.4° W         3/7/208	CONTRACTOR (000000000000000000000000000000000000	37.125-22942	11/12/2007	40"15"16"N	80° 14' 54 6" W 10/23/2008	Turn On Production Date
37:125:22800         10/3/2007         40°17' 1.6*N         8 0°17' 52,7*W         11/19/2007         Tum Or, Produes           37:125:22864         91/1207         40°17' 22,9*N         80°17' 42,7*W         10/22/2007         Tum Or, Produes           37:125:22864         91/1207         40°17' 22,9*N         80°17' 42,7*W         10/22/2007         Tum Or, Produes           37:125:24273         114/2011         40°5' 27.05*N         80°14' 44.52*W         10/22/2007         Suspend Operate           37:125:24278         114/2011         40°5' 27.05*N         80°14' 44.52*W         17/2011         Suspend Operate           37:125:24278         114/2011         40°5' 27.05*N         80°14' 44.52*W         17/2011         Suspend Operate           37:125:24276         17/3/2003         40°16' 58.5*N         80°17' 3.3*W         10/2/2005         Tum On Produes           37:125:22074         5/31/2003         40°16' 51.4*N         80°16' 53.1*W         7/2/2005         Tum On Produes           37:125:22809         3/3/3/2005         40°16' 51.4*N         80°17' 36.4*W         3/3/12/2006         Tum On Produes           37:125:22819         3/3/2006         40°15' 51.5*N         80°21' 61.4*W         3/1/12/2006         Tum On Produes           37:125:22828         10/3/2007		37-125-22991	17/26/2008	40* 15' 30" N	80"14' 53 3" W 4/5/2009	Turn On Production Date
37-125-22505         B/21/2007         40° 17° 25.2° N         80° 17° 42.7° W         10/22/2007         Tum On Products           37-125-22584         9/12/007         40° 17° 25.2° N         80° 17° 42.7° W         10/22/2007         Tum On Products           37-125-22842         9/12/007         40° 17° 25.2° N         80° 17° 42.7° W         10/22/2007         Tum On Products           37-125-24276         1/4/2011         40° 5° 27 15° N         80° 14° 44.5° W         15/2011         Suspend Operats           37-125-24276         1/4/2011         40° 5° 27 15° N         80° 14° 44.5° W         15/2011         Suspend Operats           37-125-24276         1/4/2011         40° 5° 27 05° N         80° 17° 3.3° W         12/7/2005         Tum On Products           37-125-2205         5/14/2007         40° 16° 54.3° N         80° 17° 1.5° W         33/2006         Tum On Products           37-125-2205         6/14/2007         40° 16° 51.4° N         80° 17° 1.5° W         81/27/2006         Tum On Products           37-125-2205         6/14/2007         40° 15° 51.5° N         80° 17° 35° W         81/27/2008         Tum On Products           37-125-2205         6/14/2007         40° 15° 6.3° N         80° 17° 44.9° W         10/17/2008         Tum On Products           37-125-2283		37 125-22900	10/3/2007	40"17"1.6" N	80° 17° 52 7° W 11/19/2007	Turn On Production Date
37:125:22884         9/1/2007         40°17'22.9°N         80°17'53.9°W         10/23/2007         Tum On Products           37-125:24273         1/4/2011         40°5'27.01°N         80°14'44.27°W         1/5/2011         Suspend Operatis           37-125:24274         1/4/2011         40°5'27.01°N         80°14'44.27°W         1/5/2011         Suspend Operatis           37-125:24276         1/4/2011         40°5'27.05°N         80°14'44.3°W         1/5/2011         Suspend Operatis           37-125:24278         1/4/2011         40°5'27.05°N         80°14'44.3°W         1/5/2011         Suspend Operatis           37-125:24276         1/4/2011         40°5'26.01°N         80°17'5'3.3°W         1/5/2011         Suspend Operatis           37-125:22705         5/14/2007         40°16'5'3.3°N         80°17'5'3'W         1/2/2008         Tum On Product           37-125:22839         4/1/32007         40°16'5'3.1°N         80°21'38.4°W         1/2/2008         Tum On Product           37-125:22839         4/2/8/2006         40°15'6'3.5°N         80°21'4'5.4°W         1/2/2008         Tum On Product           37-125:22838         4/2/8/2001         40°16'5'3.5°N         80°21'4'5.4°W         1/2/2/2008         Tum On Product           37-125:22848         4/30/2007         40°15'5		37-125-22505	8/21/2007	40°17'25.2" N	80" 17" 42.7" W 10/22/2007	Turn On Production Date
37-125-24273         1/4/2011         40*5*27.01* N         8.0*14*44.27* W         1/5/2011         Suspend Operate           37-125-24274         1/4/2011         40*5*27.05* N         80*14*44.50* W         2/3/2011         Suspend Operate           37-125-24276         1/4/2011         40*5*27.05* N         80*14*44.50* W         1/5/2011         Suspend Operate           37-125-24276         1/4/2011         40*5*26.91* N         80*14*44.3* W         1/5/2011         Suspend Operate           37-125-22074         5/31/2003         40*16*5.8* N         80*17*1.15*W         3/3*072005         Tum On Product           37-125-22075         5/14/2007         40*16*5.8* N         80*17*1.15*W         3/3*0208         Tum On Product           37-125-22075         5/14/2007         40*16*5.8* N         80*17*5.5* W         81/372008         Tum On Product           37-125-22779         9/22/2006         40*16*3.1* N         80*21*1.1* N* V         3/1/12/008         Tum On Product           37-125-2284         4/30/2007         40*16*5.8* N         80*21*45.4* W         3/2/1/2016         Tum On Product           37-125-23829         10/5/2010         40*15*55.7* N         80*21*45.7* W         3/2/1/2016         Tum On Product           37-125-23829         10/6/2010	· · · · · · · · · · · · · · · · · · ·	37 125 22864	9/1/2007	40°17 22.9" N	80 17 53.9" W 10/23/2007	Turn On Production Date
37.125         24274         1/4/2031         40°5         27.15° N         80°14' 45.02° W         2/3/2011         Suspend Operate Suspend Operate 37.125-24258           37.125-24258         3/4/2031         40°5 27.05° N         80°14' 44.52° W         1/5/2011         Suspend Operate Suspend Operate 37.125-22074         5/31/2003         40°16' 52.6.91° N         80°17' 3.3' W         12/7/2005         Tum On Product Tum On Product 37.125-22075         7/33/2005         40°16' 58.5" N         80°17' 3.1' W         7/20/2007         Tum On Product Tum On Product 37.125-22075         9/22/2006         40°15' 31.5' N         80°17' 55' W         817/2008         Tum On Product 37.125-22833         4/28/2006         40°15' 31.5' N         80°21' 13.4' W         11/7/2006         Tum On Product 37.125-22833         1/28/2006         40°15' 31.5' N         80°21' 45.8' W         11/8' W         11/17/2006         Tum On Product 37.125-23828         10/5/2010         40°15' 55.7' N         80°21' 45.8' W         10/3/2010         Suspend Operate 37.125-23828         10/5/2010         40°15' 55.7' N         80°21' 45.8' W         10/3/2010         Suspend Operate 37.125-23831         10/6/2010         40°15' 55.7' N         80°21' 45.4' W         12/1/2010         Suspend Operate 37.125-23913         10/6/2010         40°15' 55.8' N         80°21' 45.4' W         12/1/2010         Suspend Operate 37.125-23913         10/6/2010         40	AND AND THE VERY DUCKNESS	37-125-24273	1/4/2011	40"5'27.01" N	80°14'44.27" W 1/5/2011	Suspend Operations Date
37.125-24276         1/4/2011         40°5 27.05° N         80°14′ 44.52″ W         1/5/2011         Suspend Operate           37.125-24286         3/4/2811         40°5 26.61″ N         80°14′ 44.3° W         1/5/2011         Suspend Operate           37.125-24286         3/4/2811         40°5 26.61″ N         80°14′ 44.3° W         1/5/2011         Suspend Operate           37.125-2205         6/14/2007         40°16′ 51.4° N         80°17′ 1.15° W         3/3/2006         Tum On Product           37.125-22705         6/14/2007         40°16′ 51.4° N         80°17′ 31° 5° W         81/7/2006         Tum On Product           37.125-22705         6/14/2007         40°16′ 51.4° N         80°17′ 35.4° W         1/2/7/2006         Tum On Product           37.125-22705         6/14/2007         40°16′ 53.5° N         80°21′ 13.6.4° W         1/2/7/2006         Tum On Product           37.125-2283         3/28/2006         40°15′ 83.5° N         80°21′ 45.4° W         1/2/7/2006         Tum On Product           37.125-22848         1/05/2010         40°15′ 85.5° N         80°21′ 45.8° W         1/3/2010         Suspend Operate           37.125-23929         10/6/2010         40°15′ 55.4° N         80°21′ 45.6° W         1/2/2010         Suspend Operate           37.125-23931         10/6/	And Aline Strategies	37-125-24274	174/2011	40"5 27 15" N	80 14 45.02 W 2/3/2011	Suspend Operations Date
37:125:24258         3/4/2611         40°5' 26 91" N         80°14' 44.3" W 1/5/2011         Suspend Operate 37:125:22074           37:125:22074         5731/2003         40°16' 59.3" N         80°17' 3.3" W 127/2005         Tum On Product 30°17' 3.3" W 127/2006         Tum On Product 30°17' 3.3" W 127/2008         Tum On Product 30°17' 3.3" W 127/2009         30°17' 3.3" W 127/2008         Tum On Product 31°125-22705         S114/2007         40°16' 51.4" N         80°17' 36.4" W 127/2009         Tum On Product 31°125-2277         92/27/2006         40°15' 31.5" N         80°17' 36.4" W 127/2008         Tum On Product 31°125-22548         4/30/2007         40°15' 31.5" N         80°21' 36.4" W 127/2008         Tum On Product 31°125-22548         4/30/2007         40°15' 53.5" N         80°21' 45.4" W 127/2008         Tum On Product 31°125-22548         4/30/2007         40°15' 55.5" N         80°21' 45.9" W 10/59/2010         Suspend Operate 31°125-23928         10/5/2010         40°15' 55.5" N         80°21' 45.7" W 10/39/2010         Suspend Operate 31°125-2393         10/6/2010         40°15' 55.5" N         80°21' 45.7" W 1/27/2010         Suspend Operate 31°125-23931         10/6/2010         40°15' 55.5" N         80°21' 45.7" W 1/27/2010         Suspend Operate 31°125-23931         40/6/2010         40°15' 55.6" N         80°21' 45.7" W 1/27/2010         Suspend Operate 31°125-23931         40/6/2010         40°15' 55.6" N         80°21' 45.6" W 10/16/2010         Suspend Operate 31°125-23931 <td>ALC: NO BEACH LINE AND</td> <td>37-125-24276</td> <td>1/4/2011</td> <td>40*5 27.05" N</td> <td>80 * 14' 44.52" W 11/5/2011</td> <td>Suspend Operations Date</td>	ALC: NO BEACH LINE AND	37-125-24276	1/4/2011	40*5 27.05" N	80 * 14' 44.52" W 11/5/2011	Suspend Operations Date
37-125-22074         5/31/2003         40°16°59.3° N         80°17°3.3° W         12/7/2005         Tum On Product           37-125-22055         7/13/2005         40°16°58.6° N         80°17°3.3° W         12/7/2005         Tum On Product           37-125-22055         6/14/2007         40°16°51.4° N         80°17°53.3° W         7/20/2007         Tum On Product           37-125-22705         6/14/2007         40°16°51.4° N         80°17°55° W         81/72008         Tum On Product           37-125-22707         9/22/2006         40°15'31.5° N         80°21'36.4° W         12/7/2006         Tum On Product           37-125-2288         4/28/2008         40°15'31.5° N         80°21'36.4° W         12/7/2006         Tum On Product           37-125-23828         10/5/2010         40°15'52.5° N         80°21'45.9° W         10/19/2010         Suspend Operatic           37-125-23928         10/5/2010         40°15'55.5° N         80°21'45.9° W         10/3/2010         Suspend Operatic           37-125-23930         10/5/2010         40°15'55.5° N         80°21'45.7° W         2/3/1/2010         Suspend Operatic           37-125-23931         10/5/2010         40°15'55.5° N         80°21'45.7° W         11/2/2010         Suspend Operatic           37-125-23913         1/2/1/2010	and a state of the second s	37-125-24298	1/4/2011	40"5" 26.91" N	80*14'44.3*W h/5/2011	Suspend Operations Date
37.125.22205         7/13/2005         40° 16° 36.6° N         80° 17' 51' 1.5° W         33/2006         Tum On Product           37.125.22105         6/14/2007         40° 16° 51.4° N         80° 16° 53.1° W         7/20/2007         Tum On Product           37.125.22839         8/13/2009         40° 17' 32.9° N         80° 17' 55' W         8/17/2008         Tum On Product           37.125.2283         4/28/2006         40° 15' 31.5' N         80° 21' 13.64' W         12/7/2006         Tum On Product           37.125.22848         4/30/2007         40° 15' 23.8' N         80° 21' 11.8' W         11/17/2006         Tum On Product           37.125.23825         10/5/2010         40° 15' 55.9' N         80° 21' 45.9' W 10/19/2010         Suspend Operate           37.125.23826         10/5/2010         40° 15' 55.9' N         80° 21' 45.9' W 10/19/2010         Suspend Operate           37.125.23830         10/6/2010         40° 15' 55.9' N         80° 21' 45.7' W 4/29/2010         Suspend Operate           37.125.23831         10/6/2010         40° 15' 55.6' N         80° 21' 45.7' W 10/18/2010         Suspend Operate           37.125.23814         4/21/2010         40° 13' 19.6' N         80° 25' 6.3' W 10/18/2010         Suspend Operate           37.125.23814         4/21/2010         40° 13' 19.4' N	the stand in the same	37-125-22074	5/31/2003	40" 16' 59.3" N	80° 17' 3 .3" W 12/7/2005	Turn On Production Date
37-125-22705         6/14/2007         40*16*51.4" N         80*16*53.1" W         7/20/2007         Tum On Product           37-125-22770         3/7.425-23839         3/7.425-2283         40*17*32.9" N         80*17*55" W         81772009         Tum On Product           37-125-22770         3/7.425-22883         4/88/2006         40*15*63*N         80*21*31.6* W         12/7/2006         Tum On Product           37-125-22548         4/88/2006         40*15*63*N         80*21*45.9* W         10/18/2010         Suspend Operatic           37-125-22548         4/88/2006         40*15*55.9* N         80*21*45.9* W         10/18/2010         Suspend Operatic           37-125-23928         10/5/2010         40*15*55.9* N         80*21*45.9* W         10/18/2010         Suspend Operatic           37-125-23930         10/6/2010         40*15*55.6* N         80*21*45.9* W         10/18/2010         Suspend Operatic           37-125-23931         4/21/2010         40*15*5.5* N         80*21*45.6* W         11/12/2010         Suspend Operatic           37-125-23913         4/21/2010         40*13*19.4* N         80*25*6.3* W         10/18/2010         Suspend Operatic           37-125-23914         4/21/2010         40*13*19.4* N         80*25*6.3* W         10/18/2010         Suspend Operatic	AREAS AND	37-125-22205	7/13/2005	40*16'36.8" N	80*17'1 1.5" W 3/3/2006	Turn On Production Date
37.125.23639         3/13/2009         40°11' 13' 29" N         80°11' 55" W         8117/2009         Tum On Products           37.125.22277         9/22/2006         40°15' 31.5" N         80°21' 36.4" W         12/17/2006         Tum On Products           37.125.22283         4/28/2006         40°15' 63" N         80°21' 11.8" W         11/17/2006         Tum On Products           37.125.22548         4/30/2007         40°15' 62.3" N         80°20' 54.4" W         3/2/17/2011         Plug & Abandon D           37.125.22548         4/30/2007         40°15' 55.9" N         80°21' 45.8" W         10/19/2010         Suspend Operatic           37.125.23928         10/5/2010         40°15' 55.5" N         80°21' 45.4" W         12/11/2010         Suspend Operatic           37.125.23930         10/6/2010         40°15' 55.6" N         80°21' 45.6" W         10/2/2010         Suspend Operatic           37.125.23913         10/6/2010         40°15' 55.6" N         80°21' 45.6" W         11/12/2010         Suspend Operatic           37.125.23913         4/21/2010         40°13' 19.6" N         80°25' 6.3" W         10/18/2010         Suspend Operatic           37.125.23913         4/21/2010         40°13' 19.4" N         80°25' 6.4" W         10/18/2010         Suspend Operatic           37.125.2391	NUMBER OF STREET	37-125-22705	6/14/2007	40"16' 51.4" N	80*16' 5 3.1" W 7/20/2007	Turn On Production Date
37.125-22277         9/22/2006         40°15'31.5"         80°21'36.4" W 12/7/2006         Tum On Products           37.125-22548         4/28/2006         40°15'6.3" N         60°21'11.8" W 11/17/2006         Tum On Products           37.125-22548         4/30/2007         40°15'2.3" N         80°20'54.4" W 3/21/2011         Plug & Abandon I.           37.125-23928         10/5/2010         40°15'55.9" N         80°21'45.8" W 10/39/2010         Suspend Operatic           37.125-23928         10/5/2010         40°15'55.9" N         80°21'45.8" W 10/30/2010         Suspend Operatic           37.125-23929         10/6/2010         40°15'55.6" N         80°21'45.7" W 4/29/2011         Date           37.125-23930         10/6/2010         40°15'55.6" N         80°21'45.6" W 10/3/2010         Suspend Operatic           37.125-23931         10/6/2010         40°15'55.4" N         80°21'45.6" W 10/18/2010         Suspend Operatic           37.125-23913         4/21/2010         40°15'55.4" N         80°25'6.3" W 10/18/2010         Suspend Operatic           37.125-23914         4/21/2010         40°13'19.4" N         80°25'6.3" W 10/12/2010         Suspend Operatic           37.125-23916         4/20/2010         40°13'19.8" N         80°25'6.4" W 10/30/2010         Suspend Operatic           37.125-23916         4/21	建制表现有合同的主义的基础。	37-125-23639	5/13/2009	40"17"32.9" N	80° 17' 55' W 8/17/2009	Turn On Production Date
37-125-2283         4/28/2006         40° 15° 6.3" N         60° 21' 11.8° W         51/17/2006         Tum On Products           37-125-22548         4/30/2007         40° 15° 6.3" N         80° 20' 54.4" W         3/21/2011         Plug & Abandon I           37-125-23525         10/5/2010         40° 15' 55.9" N         80° 21' 45.9" W         10/19/2010         Suspend Operatic           37-125-23928         10/5/2010         40° 15' 55.7" N         80° 21' 45.9" W         10/30/2010         Suspend Operatic           37-125-23929         10/6/2010         40° 15' 55.6" N         80° 21' 45.7" W         4/29/2011         Dote           37-125-23931         10/6/2010         40° 15' 55.6" N         80° 21' 45.6" W         11/22/2010         Suspend Operatic           37-125-23913         4/21/2010         40° 15' 55.6" N         80° 21' 45.6" W         11/22/2010         Suspend Operatic           37-125-23913         4/21/2010         40° 13' 19.6" N         80° 25' 6.3" W         10/18/2010         Suspend Operatic           37-125-23914         4/21/2010         40° 13' 19.4" N         80° 25' 6.3" W         10/12/2010         Suspend Operatic           37-125-23916         4/20/2010         40° 13' 19.8" N         80° 25' 6.4" W         10/30/2010         Suspend Operatic           37-1	and the second se	37-125-22277	9/22/2006	40°15' 31.5" N	80*21' 36.4* W 12/7/2006	Turn On Production Date
37-125-22548         4/30/2007         40° 15° 22.3° N         80° 20° 54.4° W         3/21/2011         Plug & Abandon J           37-125-23928         10/5/2010         40° 15° 55.9° N         80° 21° 45.9° W         10/19/2010         Suspend Operatic           37-125-23928         10/5/2010         40° 15° 55.7° N         80° 21° 45.9° W         10/19/2010         Suspend Operatic           37-125-23929         10/6/2010         40° 15° 55.7° N         80° 21° 45.4° W         10/30/2010         Suspend Operatic           37-125-23930         10/6/2010         40° 15° 55.4° N         80° 21° 45.4° W         10/12/2010         Suspend Operatic           37-125-23931         10/6/2010         40° 15° 55.4° N         80° 21° 45.6° W         11/22/2010         Suspend Operatic           37-125-23913         4/21/2010         40° 13° 19.6° N         80° 25° 6.3° W         10/18/2010         Suspend Operatic           37-125-23914         4/21/2010         40° 13° 19.4° N         80° 25° 6.3° W         10/12/2010         Suspend Operatic           37-125-23916         4/20/2010         40° 13° 19.4° N         80° 25° 6.3° W         10/12/2010         Suspend Operatic           37-125-23916         4/20/2010         40° 13° 19.4° N         80° 25° 6.4° W         10/12/2010         Suspend Operatic	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	37-125-22283	4/28/2006	40"15'8:3" N	80*21' 11.8" W 11/17/2006	Turn On Production Date
37         125         23925         10/5/2010         40°15' 55.9" N         80°21' 45.9" W 10/19/2010         Suspend Operations           37-125         23929         10/6/2010         40°15' 55.7" N         80°21' 45.8" W 10/30/2010         Suspend Operations           37-125         23929         10/6/2010         40°15' 55.7" N         80°21' 45.4" W 12/17/2010         Suspend Operations           37-125         23931         10/6/2010         40°15' 55.4" N         80°21' 45.6" W 12/17/2010         Suspend Operations           37-125         23931         10/6/2010         40°15' 55.4" N         80°21' 45.6" W 11/22/2010         Suspend Operations           37-125         23931         10/6/2010         40°15' 55.4" N         80°21' 45.6" W 10/16/2010         Suspend Operations           37-125         23931         10/6/2010         40°13' 19.4" N         80°25' 6.3" W 10/12/2010         Suspend Operations           37-125         23914         4/21/2010         40°13' 19.4" N         80°25' 6.4" W 10/30/2010         Suspend Operations           37-125         23916         4/20/2010         40°13' 19.4" N         80°25' 6.4" W 10/30/2010         Suspend Operations           37-125         23917         4/21/2010         40°13' 19.8" N         80°25' 6.4" W 10/30/2010         Suspend Operations		37-125-22548	4/30/2007	40°15' 22.3" NI	80°20' 54.4" W 3/21/2011	Plug & Abandon Date
37-125-23928         10/5/2010         40° 15° 55.7" N         80° 21' 45.8" W         10/30/2010         Suspend Operation           37-125-23929         10/6/2010         40° 15° 55.2" N         80° 21' 45.4" W         10/30/2010         Suspend Operation           37-125-23930         10/6/2010         40° 15° 55.4" N         80° 21' 45.4" W         10/21'/2010         Suspend Operation           37-125-23931         10/6/2010         40° 15° 55.4" N         80° 21' 45.6" W         11/22/2010         Suspend Operation           37-125-23913         4/21/2010         40° 15° 55.4" N         80° 21' 45.6" W         11/12/2010         Suspend Operation           37-125-23913         4/21/2010         40° 13' 19.4" N         80° 25' 6.2" W         11/12/2010         Suspend Operation           37-125-23914         4/21/2010         40° 13' 19.4" N         80° 25' 6.3" W         10/12/2010         Suspend Operation           37-125-23916         4/20/2010         40° 13' 19.4" N         80° 25' 6.4" W         10/30/2010         Suspend Operation           37-125-23916         4/20/2010         40° 13' 19.4" N         80° 25' 6.4" W         10/30/2010         Suspend Operation           37-125-23917         4/21/2010         40° 13' 19.4" N         80° 25' 6.4" W         10/10/2010         Suspend Operation <td>and the second second</td> <td>37-125-23925</td> <td>10/5/2010</td> <td>40"15' 55.9" N</td> <td>80°21' 45:9" W 10/19/2010</td> <td>Suspend Operations Date</td>	and the second	37-125-23925	10/5/2010	40"15' 55.9" N	80°21' 45:9" W 10/19/2010	Suspend Operations Date
37.125-23929         10/6/2010         40°15'55.2" N         80°21'45.4" W         12/11/2010         Suspend Operation           37.125-23930         10/6/2010         40°15'55.6" N         80°21'45.7" W         4/29/2011         TD Date           37.125-23931         10/6/2010         40°15'55.6" N         80°21'45.5" W         11/22/2010         Suspend Operation           37.125-23913         4/21/2010         40°15'55.6" N         80°25'6.3" W         10/18/2010         Suspend Operation           37.125-23913         4/21/2010         40°13'19.6" N         80°25'6.3" W         10/18/2010         Suspend Operation           37.125-23914         4/21/2010         40°13'19.4" N         80°25'6.3" W         10/12/2010         Suspend Operation           37.125-23915         8/4/2010         40°13'19.4" N         80°25'6.3" W         10/12/2010         Suspend Operation           37.125-23916         4/20/2010         40°13'19.8" N         80°25'6.4" W         10/30/2010         Suspend Operation           37.125-23916         4/20/2010         40°13'19.8" N         80°25'6.5" W         10/16/2010         Suspend Operation           37.125-23918         4/21/2010         40°13'19.8" N         80°25'6.1" W         10/16/2010         Suspend Operation           37.125-23980         4/		37-125-23928	10/5/2010	40° 15' 55.7" N	80°21' 45.8" W 10/30/2010	Suspend Operations Date
37-125-23930         10/6/2010         40°15' 55.6" N         80°21' 45.7" W 4/29/2011         TD Date           37-125-23931         10/6/2010         40°15' 55.6" N         80°21' 45.6" W 11/22/2010         Suspend Operation           37-125-23913         4/21/2010         40°13' 19.6" N         80°25' 6.3" W 10/18/2010         Suspend Operation           37-125-23981         4/21/2010         40°13' 19.4" N         80°25' 6.3" W 10/12/2010         Suspend Operation           37-125-23914         4/21/2010         40°13' 19.4" N         80°25' 6.3" W 10/12/2010         Suspend Operation           37-125-23915         8/4/2010         40°13' 19.4" N         80°25' 6.3" W 10/12/2010         Suspend Operation           37-125-23916         4/20/2010         40°13' 19.4" N         80°25' 6.4" W 10/30/2010         Suspend Operation           37-125-23916         4/20/2010         40°13' 19.8" N         80°25' 6.5" W 10/20/2010         Suspend Operation           37-125-23916         4/20/2010         40°13' 19.8" N         80°25' 6.4" W 10/16/2010         Suspend Operation           37-125-23916         4/20/2010         40°13' 19.6" N         80°25' 6.4" W 10/16/2010         Suspend Operation           37-125-23980         4/21/2010         40°13' 19.2" N         80°25' 6.1" W 11/17/2010         Suspend Operation <t< td=""><td>建筑 的现在分词 化合金</td><td>37-125-23929</td><td>10/6/2010</td><td>40"15'55.2" N</td><td>80°21' 45.4" W 12/11/2010</td><td>Suspend Operations Date</td></t<>	建筑 的现在分词 化合金	37-125-23929	10/6/2010	40"15'55.2" N	80°21' 45.4" W 12/11/2010	Suspend Operations Date
37         125/23931         10/6/2010         40° 15         55.4° N         80° 21' 45.6° W         11/22/2010         Suspend Operation           37         125-23913         4/21/2010         40° 13' 19.6° N         80° 25' 6.3° W         10/18/2010         Suspend Operation           37         125-23981         4/21/2010         40° 13' 19.4° N         80° 25' 6.3° W         10/18/2010         Suspend Operation           37         125-23914         4/21/2010         40° 13' 19.4° N         80° 25' 6.3° W         10/12/2010         Suspend Operation           37         125-23915         8/4/2010         40° 13' 19.4° N         80° 25' 6.3° W         10/12/2010         Suspend Operation           37         125-23916         4/20/2010         40° 13' 19.4° N         80° 25' 6.3° W         10/10/2010         Suspend Operation           37         125-23916         4/20/2010         40° 13' 19.8° N         80° 25' 6.4° W         10/30/2010         Suspend Operation           37         125-23917         4/21/2010         40° 13' 19.8° N         80° 25' 6.4° W         10/16/2010         Suspend Operation           37         125-23918         4/21/2010         40° 13' 19.2° N         80° 25' 6.2° W         11/20/2010         Suspend Operation           37 <t< td=""><td></td><td>37-125-23930</td><td>10/6/2010</td><td>40°15' 55.6* N</td><td>80°21' 45.7" W 4/29/2011</td><td>TD Date</td></t<>		37-125-23930	10/6/2010	40°15' 55.6* N	80°21' 45.7" W 4/29/2011	TD Date
37-125-23913         4/21/2010         40*13' 19.6 * N         80*25' 6.3" W 10/18/2010         Suspend Operations           37-125-23981         4/21/2010         40*13' 19.4 * N         80*25' 6.2" W 11/12/2010         Suspend Operations           37-125-23914         4/21/2010         40*13' 19.4 * N         80*25' 6.3" W 10/12/2010         Suspend Operations           37-125-23915         8/4/2010         40*13' 19.4 * N         80*25' 6.3" W 10/12/2010         Suspend Operations           37-125-23915         8/4/2010         40*13' 19.4 * N         80*25' 6.3" W 10/12/2010         Suspend Operations           37-125-23916         4/20/2010         40*13' 19.4 * N         80*25' 6.4" W 10/30/2010         Suspend Operations           37-125-23917         4/20/2010         40*13' 19.8" N         80*25' 6.5" W 10/20/2010         Suspend Operations           37-125-23918         4/21/2010         40*13' 19.8" N         80*25' 6.4" W 10/16/2010         Suspend Operations           37-125-23980         4/22/2010         40*13' 19.2" N         80*25' 6.1" W 11/17/2010         Suspend Operations           37-125-23982         4/22/2010         40*13' 19.2" N         80*25' 6.1" W 11/17/2010         Suspend Operations           37-125-23982         4/22/2010         40*13' 19.4" N         80*25' 6.1" W 11/1/17/2010         Suspend Operations	「日本の時代の日本日本の日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日	37 125 23931	10/6/2010	40*15 55.4" N	80°21'45.6" W 11/22/2010	Suspend Operations Date
37.125-23981         4/21/2010         40°13' 19.4 * N         80°25' 6.2' W         11/12/2010         Suspend Operation           37.125-23914         4/21/2010         40°13' 19.4 * N         80°25' 6.3' W         10/12/2010         Suspend Operation           37.125-23915         8/4/2010         40°13' 19.4 * N         80°25' 6.3' W         10/12/2010         Suspend Operation           37.125-23915         8/4/2010         40°13' 19.2' N         80°25' 6.3' W         10/12/2010         Suspend Operation           37.125-23916         4/20/2010         40°13' 19.8' N         80°25' 6.4' W         10/30/2010         Suspend Operation           37.125-23917         4/21/2010         40°13' 19.8' N         80°25' 6.4' W         10/30/2010         Suspend Operation           37.125-23918         4/21/2010         40°13' 19.8' N         80°25' 6.4' W         10/16/2010         Suspend Operation           37.125-23980         4/22/2010         40°13' 19.2'' N         80°25' 6.1'' W         11/17/2010         Suspend Operation           37.125-23982         4/22/2010         40°13' 19.2'' N         80°25' 6.1'' W         11/17/2010         Suspend Operation           37.125-23982         4/22/2010         40°13' 19'' N         80°25' 6.1'' W         11/17/2010         Suspend Operation <t< td=""><td></td><td>37-125-23913</td><td>4/21/2010</td><td>40*13' 19.6 * N</td><td>80°25' 6.3" W 10/18/2010</td><td>Suspend Operations Date</td></t<>		37-125-23913	4/21/2010	40*13' 19.6 * N	80°25' 6.3" W 10/18/2010	Suspend Operations Date
37-125-23914         4/21/2010         40° 13' 19.4 * N         80° 25' 6.3' W 10/12/2010         Suspend Operation           37-125-23915         8/4/2010         40° 13' 19.2' N         80° 25' 6.3' W 10/12/2010         Suspend Operation           37-125-23916         4/20/2010         40° 13' 19.2' N         80° 25' 6.3' W 10/20/2010         Suspend Operation           37-125-23916         4/20/2010         40° 13' 19.8' N         80° 25' 6.4' W 10/30/2010         Suspend Operation           37-125-23917         4/21/2010         40° 13' 19.8' N         80° 25' 6.5' W 10/20/2010         Suspend Operation           37-125-23918         4/21/2010         40° 13' 19.8' N         80° 25' 6.4' W 10/16/2010         Suspend Operation           37-125-23980         4/22/2010         40° 13' 19.2'' N         80° 25' 6.4'' W 10/16/2010         Suspend Operation           37-125-23982         4/22/2010         40° 13' 19.2'' N         80° 25' 6.1'' W 11/17/2010         Suspend Operation           37-125-23982         4/22/2010         40° 13' 19'' N         80° 25' 6.1'' W 11/17/2010         Suspend Operation           37-125-23982         4/22/2010         40° 13' 19'' N         80° 25' 6.1'' W 11/17/2010         Suspend Operation           Ocken Hunt Club Unit 2H         37-081-20232         11/6/2010         41'' 19' 42.54'' N         77' 16' 8.86''W	1. 新生物的有效。在1. 计算机	37-125-23981	4/21/2010	40"13" 19.4 " N	80°25 6.2 W 11/12/2010	Suspend Operations Date
37-125-23915         8/4/2010         40*13' 19.2* N         80*25' 6.3* W 11/23/201D         Suspend Operation           37-125-23916         4/20/2010         40*13' 19.8* N         80*25' 6.4* W 10/30/2010         Suspend Operation           37-125-23916         4/20/2010         40*13' 19.8* N         80*25' 6.4* W 10/30/2010         Suspend Operation           37-125-23917         4/21/2010         40*13' 19.8* N         80*25' 6.4* W 10/16/2010         Suspend Operation           37-125-23918         4/21/2010         40*13' 19.8* N         80*25' 6.4* W 10/16/2010         Suspend Operation           37-125-23980         4/22/2010         40*13' 19.2* N         80*25' 6.2* W 10/16/2010         Suspend Operation           37-125-23980         4/22/2010         40*13' 19.2* N         80*25' 6.1* W 11/17/2010         Suspend Operation           37-125-23982         4/22/2010         40*13' 19' N         80*25' 6.1* W 11/17/2010         Suspend Operation           37-125-23982         4/22/2010         40*13' 19' N         80*25' 6.1* W 11/17/2010         Suspend Operation           37-125-23982         4/22/2010         40*13' 19' N         80*25' 6.1* W 11/17/2010         Suspend Operation           37-125-23982         4/22/2010         41* 19' 42.54* N         77* 16' 8.86' W 2/2/2011         Resume Operation		37-125-23914	4/21/2010	40" 13' 19.4 " N	80°25' 6.3" W 10/12/2010	Suspend Operations Date
37-125-23916         4/20/2010         40° 13° 19.8 " N°         80° 25° 6.4" W 10/30/2010         Suspend Operation           37-125-23917         4/21/2010         40° 13° 19.8 " N°         80° 25° 6.4" W 10/30/2010         Suspend Operation           37-125-23918         4/21/2010         40° 13° 19.8 " N°         80° 25° 6.4" W 10/16/2010         Suspend Operation           37-125-23918         4/21/2010         40° 13° 19.6 " N°         80° 25° 6.4" W 10/16/2010         Suspend Operation           37-125-23980         4/22/2010         40° 13° 19.2 " N         80° 25° 6.4" W 10/16/2010         Suspend Operation           37-125-23982         4/22/2010         40° 13° 19.2 " N         80° 25° 6.1" W 11/17/2010         Suspend Operation           37-125-23982         4/22/2010         40° 13° 19.2 " N         80° 25° 6.1" W 11/17/2010         Suspend Operation           37-125-23982         4/22/2010         40° 13° 19.4" N         80° 25° 6.1" W 11/17/2010         Suspend Operation           37-125-23982         4/22/2010         40° 13° 19.4" N         80° 25° 6.1" W 11/17/2010         Suspend Operation           37-125-23983         11/6/2010         41° 19' 42.73" N         77° 16° 8.78" W 4/3/2011         TD Date           37-081-20234         11/6/2010         41° 19' 42.53" N         77° 16° 8.73" W 3/2/2011         TD Date </td <td></td> <td>37-125-23915</td> <td>8/4/2010</td> <td>40*13' 19.2* N</td> <td>80°25' 6.3" W 11/23/2010</td> <td>Suspend Operations Date</td>		37-125-23915	8/4/2010	40*13' 19.2* N	80°25' 6.3" W 11/23/2010	Suspend Operations Date
37         125         23917         4/21/2010         40° 13° 19.8 ° N         80° 25° 6.5° W 10/20/2010         Suspend Operation           37         125         23918         4/21/2010         40° 13° 19.8 ° N         80° 25° 6.5° W 10/20/2010         Suspend Operation           37         125         23918         4/21/2010         40° 13° 19.6 ° N         80° 25° 6.4° W 10/16/2010         Suspend Operation           37         125         23980         4/22/2010         40° 13° 19.2° N         80° 25° 6.1° W 11/20/2010         Suspend Operation           37         125         23982         4/22/2010         40° 13° 19.2° N         80° 25° 6.1° W 11/17/2010         Suspend Operation           37         125         23982         4/22/2010         40° 13° 19.2° N         80° 25° 6.1° W 11/17/2010         Suspend Operation           37         125         23982         4/22/2010         40° 13° 19.2° N         80° 25° 6.1° W 11/17/2010         Suspend Operation           37         125         37681         20230         4/8/2011         41° 19' 42.57° N         77° 16' 8.86° W 2/2/2011         Resume Operation           36/66         W10/15H         37.081         20238         11/7/2010         41° 19' 42.57° N         77° 16' 8.86° W 4/3/2011         TD Date		37-125-23916	4/20/2010	40"13" 19.8 " N	80°25' 6.4" W 10/30/2010	Suspend Operations Date
37-125-23918         4/21/2010         40° 13° 19.6 ° N         80° 25° 6.4 ° W         10/16/2010         Suspend Operation           37-125-23980         4/22/2010         40° 13' 19.2 ° N         80° 25' 6.2 ° W         11/20/2010         Suspend Operation           37-125-23982         4/22/2010         40° 13' 19.2 ° N         80° 25' 6.2 ° W         11/20/2010         Suspend Operation           37-125-23982         4/22/2010         40° 13' 19.2 ° N         80° 25' 6.1 ° W         11/17/2010         Suspend Operation           37-125-23982         4/22/2010         40° 13' 19.4 ° N         80° 25' 6.1 ° W         11/17/2010         Suspend Operation           ocken Hunt Club Unit 2H         37-681-20232         11/6/2010         41° 19' 42.5 4° N         77' 16' 8.86' W         2/2/2011         TD Date           Streep Hunt Club Unit 6H         37-081-20233         11/7/2010         41° 19' 41.9' N         77' 16' 9.8'' W         4/3/2011         TD Date           Streep Hunt Club Unit 6H         37-081-20234         11/8/2010         41° 19' 42.5'' N         77' 16' 8.73'' W         3/2/2011         TD Date           Streep Hunt Club Unit 6H         37-081-20234         11/8/2010         40° 42.5'' N         80° 13' 28.1'' W         2/28/2011         TD Date           Streep Hunt Club Unit 6H         37-62-239	的的社会和	37-125-23917	4/21/2010	40"13" 19.8 " N	80*25 6.5* W 10/20/2010	Suspend Operations Date
37         125-23980         4/22/2010         40° 13' 19 2" N         80° 25' 6.2" W 11/20/2010         Suspend Operation           37         125-23982         4/22/2010         40° 13' 19 2" N         80° 25' 6.1" W 11/17/2010         Suspend Operation           37         125-23982         4/22/2010         40° 13' 19 2" N         80° 25' 6.1" W 11/17/2010         Suspend Operation           05K8n Hunt Club Unit 2H         37.081 20230         4/8/2011         41° 19' 42.73" N         77" 16' 8.86" W 2/2/2011         Resume Operation           0cken Hunt Club Unit 4H         37-081-20232         11/6/2010         41° 19' 42.73" N         77" 16' 9.8" W 4/3/2011         TD Date           36Keb Hunt Club Unit 6H         37-081-20233         11/7/2010         41° 19' 42.35" N         77" 16' 9.8" W 4/3/2011         TD Date           37-125-23958         11/8/2010         41° 19' 42.5" N         77" 16' 8.73" W 3/2/2011         TD Date           37-125-23958         1/15/2010         40° 4' 42.5" N         80° 13' 28.1" W 2/28/2011         TD Date		37-125-23918	4/21/2010	40*13 19.6 * N	80°25' 6.4" W 10/16/2010	Suspend Operations Date
37-125-23982         4/22/2010         40*13' 19* N         80*25' 6.1* W  1/17/2010         Suspend Operatik           ocken Hunt Club Unit 2H         37-081-20230         4/8/2011         41* 19' 42 54* N         77* 16' 8.79* W  4/10/2011         Resume Operatik           ocken Hunt Club Unit 4H         37-081-20232         11/6/2010         41* 19' 42.73* N         77* 16' 8.86* W  2/2/2011         ID Date           jckep Hunt Club Unit 5H         37-081-20233         11/7/2010         41* 19' 42.35* N         77* 16' 9.8* W  4/3/2011         ID Date           jckep Hunt Club Unit 6H         37-081-20234         11/8/2010         41* 19' 42.35* N         77* 16' 8.73* W  3/2/2011         ID Date           jckep Hunt Club Unit 6H         37-081-20234         11/8/2010         41* 19' 42.35* N         77* 16' 8.73* W  3/2/2011         ID Date           jckep Hunt Club Unit 6H         37-081-20234         11/8/2010         41* 19' 42.35* N         77* 16' 8.73* W  2/2/2011         ID Date           jckep Hunt Club Unit 6H         37-081-20234         11/8/2010         41* 19' 42.5* N         80* 13' 28.1* W  2/28/2011         ID Date           jckep Club Unit 6H         37-081-20234         11/8/2010         40* 4' 42.5* N         80* 13' 28.1* W  2/28/2011         ID Date	and the second se	37-125-23980	4/22/2010	40°13'19'2" N	80*25 6.2* W 11/20/2010	Suspend Operations Date
Ocken Hunt Club Unit 2H         37-081 20230         4/8/2011         41° 19' 42 54" N         77° 16' 8.79" W 4/10/2011         Resume Operation           ocken Hunt Club Unit 4H         37-081-20232         11/6/2010         41° 19' 42.73" N         77° 16' 8.86" W 2/2/2011         TD Date           ocken Hunt Club Unit 5H         37-081-20238         11/7/2010         41° 19' 41.9" N         77° 16' 8.86" W 2/2/2011         TD Date           ocken Hunt Club Unit 5H         37-081-20238         11/7/2010         41° 19' 42.35" N         77° 16' 8.73" W 3/2/2011         TD Date           ocken Hunt Club Unit 6H         37-081-20234         11/8/2010         41° 19' 42.35" N         77° 16' 8.73" W 3/2/2011         TD Date           ocken Hunt Club Unit 6H         37-081-20234         11/8/2010         41° 19' 42.35" N         77° 16' 8.73" W 3/2/2011         TD Date           ocken Hunt Club Unit 6H         37-081-20234         11/8/2010         41° 19' 42.35" N         77° 16' 8.73" W 3/2/2011         TD Date           ocken Hunt Club Unit 6H         37-081-20234         11/8/2010         40° 4' 42.5" N         80° 13' 28.1" W 2/28/2011         Turn On Productive		37-125-23982	4/22/2010	40*13' 19" N	80°25'6.1" W 11/17/2010	Suspend Operations Date
Ocken Hunt Club Unit 4H         37-081-20232         11/6/2010         41° 19' 42.73" N         77° 16' 8.86" W         2/2/2011         TD Date           Ocken Hunt Club Unit 5H         37-081-20238         11/7/2010         41° 19' 41.9" N         77° 16' 8.86" W         4/3/2011         TD Date           Ocken Hunt Club Unit 5H         37-081-20234         11/8/2010         41° 19' 42.35" N         77° 16' 8.73" W         4/3/2011         TD Date           Ocken Hunt Club Unit 6H         37-081-20234         11/8/2010         41° 19' 42.35" N         77° 16' 8.73" W         3/2/2011         TD Date           37-125-23958         11/15/2010         40° 4' 42.5" N         80° 13' 28.1" W         2/28/2011         Turi On Productive	en Hunt Club Unit 2H	37-081-20230	4/6/2011	41* 19' 42 54* N	77° 16' 8.79" W 4/10/2011	Resume Operations Date
Sckeo Hunt Club Unit 6H         37-081-20233         11/7/2010         41* 19' 41 9" N         77*16' 9.8" W         4/3/2011         TD bate           Scken Hunt Club Unit 6H         37-081-20234         11/8/2010         41* 19' 42.35" N         77*16' 8.73" W         3/2/2011         TD bate           37-125-23958         1/15/2010         40*4' 42.5" N         80*13' 28.1" W         2/28/2011         Turn On Productive	en Hunt Club Unit 4H	37-081-20232	11/6/2010	41° 19' 42.73" N	77" 16' 8.86" W 2/2/2011	TD Date
Ocken Hunt Club Unit 6H         I37-081-20234         I1/8/2010         41° 19' 42.35" N         77° 16' 8.73" W         3/2/2011         ITD Date           III/8/2010         40° 4' 42.5" N         80° 13' 28.1" W         2/28/2011         Turn On Productiv	eo Hunt Club Unit 6H	37-081 20238	11/7/2010	41" 19' 41 9" N	77*16' 9:8" W 4/3/2011	TD Date
37-125-23958 1/15/2010 40°4' 42.5' N 80°13' 28.1" W 2/28/2011 Turn On Productik	en Hunt Club Unit 6H	37-081-20234	11/8/2010	41° 19' 42.35" N	77° 16' 8.73" W 3/2/2011	TD Date
	and the second	37-125-23958	1/15/2010	40°4' 42.5" N	80°13'28.1" W 2/28/2011	Turn On Production Date
3/-125-23959 11/15/2010 40"4" 42.4" NI 80"13" 28" W 2/2//2011 Tum On Production		37-125-23959	1/15/2010	40"4' 42.4" NI	80° 13' 28" W 2/27/2011	Turn On Production Date
37-125-23960 1/15/2010 40"4' 42 6" N 80° 13' 27.8" W 10/4/2010 Plug & Abandon I	「「「「「」」」「「「」」」」「「」」」	37 125 23960	1/15/2010	40"4" 42.6" N	80° 13' 27:8" W 10/4/2010	Plug & Abandon Date

## 

## Well List Info for EPA Reporting

Attachment B

			The second s			
Well Name	API#	Orig Spud Date	Latitude (DMS)	Longilude (DMS)	Date	Type 1
and the second second	37-122-23801	10/2010	40 4 42.7 N	00 13 27.5 W	DDeD044-	Flog & Abandon Date
	37 125 23851	12/5/2009	40 4 42 2 N	00 13 20 3 VV	2/20/2011	Turn On Production Date
	37-123-23051	12/0/2009	111 30 94 42.1 N	00 13 20.4 W	10/0/2011	Diva 2 Abstraction Date
1月1日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日	37-120-23050	12/3/2009	40° 4' 42.6' N	90*13*20.3 W	2/22/2014	Flug & Abandon Date
REAL PROPERTY AND A STREET	37-125-20045	4/9/0010	40 4 42.5 N	8 0° 13' 27 6" W	Direcont	Turn On Production Date
A CONTRACT OF	37 125 24023	4/9/2010	40°4' 42 8° N	80*12 27 7"W	0/18/2011	Turn On Broduction Date
MARLY MAT SCHEME AT 19	37 405 02037	12/8/2010	40 4 42.0 W	80*12 20 4*W	2/10/2011	Turn On Production Date
201221 31.2 20 (2.4 A PARTY	37.125.23038	12/6/2009	40*4' 41 0" N	90°13'28.0°W	3/21/2011	Turn On Production Date
CAMPAGE AND A	37.083.51006	19/7/2003	41.9 41.9 M	78*3 2 37 669" W	11/13/0008	Turn On Production Date
· 新闻· 如何是一些有些	34.030.21637	E CHILLOUP THE	40*43' 36 011" N	80°44' 48 415" W	11/3/2007	Temporarily Abandon Date
の代表的についていている。	37.490.25/1037	AULORICAL	141 40 40 00 00 A	70%4 205 12 W	10/17/2007	Completions Date
A DESCRIPTION OF A DESCRIPTION OF	37-125-22619	5/10/2007	40°17' 5 5" N	80°21' 6 3" W	9/25/2007	Turn On Production Data
ENGERINGEN STATE	37.106.20641	5/20/2007	40*17 4 8" N	80°20' 48 3" W	0/18/2007	Turn On Production Date
and the second se	37,125,22688	8/10/2007	40° 16' 59.8" N	80°20' 36 7" W	10/17/2007	Turn On Production Date
Contraction of the second s	37 125 22000	7/0/2007	40 10 33.0 N	80° 20' 44 4" W	9/26/2007	Turn On Production Data
ver/Space Management   Init	37.125.23041	1/15/2010	40°17" 16" N	80"12'56 8" W	8/ 13/2011	Turn On Production Date
enopace management ont	57-125-25541	In Idealo		00 12 00.0 11	1012071	Tan on roductor bats
ver/Space Management Unit	37-125-23942	1/14/2010	40*17'16.2" N	80*12'56'9" W	3/10/2011	Tum On Production Date
		N. Barris	A PARTICIPATION OF	States and the second		AV STREET STREET
ver/Space Manacement Unit 1H	37-125-23902	1/15/2010	40° 17' 15.6" N	80°12'56.9" W	3/21/2011	Turn On Pro duction Date
Wer/Space Manadement Unit 211	37-125-23903	1/13/2010	40° 17' 15.8" N	80°12'56.9" W	8/20/2011	Turn On Pro duction Date
ver/Space Management Unit 3H	37-125-23904	1/14/2010	40*17'16" N	80*12*58.9*W	/17/2011	Turn On Production Date
er/Space Management Unit 4H	37-125-23949	1/14/2010	40°17'16.2" N	80°12'56.8" W	3/6/2011	Turn On Prod uction Date
ver/Space Management Unit 9H	37-125-23940	1/15/2010	40°17' 15.4" N	80°12' 56.8" W	3/6/2011	Turn On Prod uction Date
<b>CANCER</b> 中国和国家的公司中国家	37-015-20064	SCHARMER.	41°58 41.483 N	76*38' 20.255 * W	1/1/2007	Temporarily Abandon Date
Party Revenue in London as a	37-081-20058	11/7/2007	41° 18' 51" N	77°8 ' 31.9" W	5/3/2008	Shut-In Date
	37 125 23151	8/1/2008	40" 13' 43. 4" N	80°19'19"W	9/9/2009	Turn On Production Date
the second second second	37-125-23224	8/8/2008	40" 13' 43. 2" N	80° 19' 19.1" W	9/9/2009	Turn On Production Date
A CONTRACTOR OF A CONTRACTOR	37-125-24119	7/27/2010	40° 13" 46.2" N	80° 19' 23.8" W	4/16/2011	TD Date
	37-125-23975	7/27/2010	40° 13' 45.4" N	80° 19' 23.8" W	2/28/2011	TD Date
100 10 10 10 10 10 10 10 10 10 10 10 10	37 125-24329	12/9/2010	40°13'46 * N	80°19'23.8" W	2/16/2011	TD Date
	37-125-23974	7/27/2010	40°13'45.8" N	80° 19' 23.8" W	4/1/2011	TD Date
	37-125-28976	7/27/2010	40°13'45.6" N	80° 19' 23.9" W	4/28/2011	TD Date
	37-125-24070	7/27/2010	40° 13' 45 .4" N	80° 19' 23.9" W	3/19/2011	TD Date
and the second	37 125 29991	5/27/2010	40"14'-46.9" N	80°16'13" W	4726/2011	Completions Date
	37-125-23992	5/28/2010	40°14' 46.9" N	80°16' 13.2" W	4/26/2011	Completions Date
	37-125-24014	5/28/2010	40*14' 46.1* N	80°16'13" W	2/10/2011	TO Date
	37-125-24015	5/28/2010	40°14' 46.5" N	80°16' 13" W I	2/18/2011	TD Date
<b>新闻的</b> 。	37-125-23993	5/28/2010	40° 14' 46.7" N	80° 16' 13,2" W	4/27/2011	Completions Date
	34-125-24016	5/28/2010	40°14' 46.3" N	80° 16' 13" W	1/3/2011	TD Date
	37-125-24245	8/27/2010	40°12°25.63° N	80°23°10:26°W	4/9/2011	1D Date
	37-125-24246	8/27/2010	40"12'25.7" N	80°23°10.02° W	12/22/2010	Suspend Operations Date
· 编码码- 5457 、	37-125-24159	8/3/2010	40°12 25 48" N	80°23 10.74° W	4/25/2011	Inchale
	37-125-24160	8/3/2010	40" 12' 25 .55" N	80°23'10.5" W	8/4/2010	Suspend Operations Date
	37-125-24253	8/28/2010	40"12 25.87" N	80°23 9.83° W	3/22/2011	TD Date
	37-125-24161	8/2/2010	40"12 25.6" N	60'23 10.1. W	9/2/2011	TD Date
	37-123-24162	0/4/2010	40 12 25 72 N	00 23 10.31 W.	4/16/2011	TD Date
ARM STONES AND A STONE AND A	3/-125-24163	8/4/2010	40°12 20.0°N	80 23 10.5 W	9/10/2011	TO Date
	37-125-24280	40/8/2010	40 12 2 3.0 N	00 20 10.0 W	0/10/2011	TO Date
the setup do star of	37-009-20014	12/0/2010	39 02 43.99 N	00 22 30.07 W	2/19/2011	TODEL
	3/-125-230/6	10/2//2009	40 10 27.1 N	90" 12" 59.6 W	0/3/2010	Turp On Production Data
AT MARKEN TO THE AT A STATE	37-123-23011	10/2//2009	40 10 27.7 N	00 12 38.4 W	6/1/2010	Completione Date
· · · · · · · · · · · · · · · · · · ·	3(+120-23010	2/16/2010	40 10 20.9 IN	90°12'50 4" M	9/7/2010	Turn On Production Date
	37-120-23031	11/1/2010	40 10 27.5 N	00 12 09.4 W	877/2010	Tunt On Production Date
<b>大大学的学生</b>	37.125.23807	10/28/2009	40°16'27.0" N	80°12' 50 5° M	8/7/2010	Turo On Production Date
	37-125-23009	10/20/2009	40 10 27.4 N	8 0°18' 20 4" M	5/30/2000	Turn Cin Production Date
· 这个时候的。""你们,你们的你们。"	37-120-23184	12/22/2000	40 10 41 9 N	80°12' 40 22" W	1/18/2014	Support Operations Date
	37-120-24314	12/23/2010	40 0 20.70 N	80°13'40.23 W	1/28/2011	Support Operations Date
A STATE OF ALL AND A STATE OF AL	27 125 224310	0/11/2000	40 0 20.00 N	80 13 40 01 W	2/18/2011	Turn On Production Date
HENDER OFFICE SHE SHE	37-123-23029	12/2009	40 5 29.5 N	70° / 9 / 26 / 10	10/2/011	Completing Date
	37.007.20202	0/28/2008	40°46' 20 6" M	80°11' 0 06" W	2/07/2010	Shut-In Date
and the second second	37.105.20285	12/8/2003	40*17 AS 6* M	80°24'24 24 24 14	1/15/0010	Turn On Production Only
·····································	JI-120-22000	TERMEDUN	Pears 7/0	00 24 24:2 VV	110/2010	Description Date
noton com			MARK IN			Chouse and the second se

-

## Well List Info for EPA Reporting

Attachment B

ANGE RESOURCES

2

Weit Name	API#	Orig Spud Pate	Laliude (DMS)	Longitude (DMS) D	ale . Type 1
	123-23040	4/3/2000	40 10 44.2 14	10 24 40.2 11 12220	
		i .		Ì	
		l			
		2.4			8
				-	
			· · · · · · · · · · · · · · · · · · ·		
		<u>a</u>			
		-			
				T	
i	1				
I	-				1
1	1	ļ	1		
I				Ĩ	
			÷		•
				I	
	į				
	·			·····	

# **ATTACHMENT C**



February 25, 2010

Pennsylvania Department of Environmental Protection Residual Waste Coordinator Bureau of Waste Management 400 Waterfront Drive Pittsburgh, Pennsylvania 15222

Subject: Form 26R, Chemical Analysis of Residual Waste Annual Report by the Generator Range Resources – Appalachia, LLC Residual Waste Code 402, Process Wastewaters – Non-hazardous

Dear Residual Waste Coordinator:

Range Resources – Appalachia, LLC (Range Resources) is submitting the enclosed Form 26R, Chemical Analysis of Residual Waste Annual Report by the Generator for our water (Residual Waste Code 420, Process Wastewaters – Non-hazardous). Note that 69,912,427 gallons of water were produced during calendar year 2009, but 43,515,805 gallons of water were re-used (or recycled) during the year. The volume of water recycled is reported in Section 2, Beneficial Use.

If you have any questions, or require any additional information, please call me at (724) 873-3226.

Respectfully submitted,

RANGE RESOURCES - APPALACHIA, LLC

hyphowski

Carla L. Suszkowski, P.E. Regulatory and Environmental Manager

Range Resources – Appalachia LLC



February 25, 2010

Pennsylvania Department of Environmental Protection Residual Waste Coordinator Bureau of Waste Management 208 West Third St., Suite 101 Williamsport, Pennsylvania 17701

Subject: Form 26R, Chemical Analysis of Residual Waste Annual Report by the Generator Range Resources – Appalachia, LLC Residual Waste Code 402, Process Wastewaters – Non-hazardous

Dear Residual Waste Coordinator:

Range Resources – Appalachia, LLC (Range Resources) is submitting the enclosed Form 26R, Chemical Analysis of Residual Waste Annual Report by the Generator for our water (Residual Waste Code 420, Process Wastewaters – Non-hazardous). Note that 69,912,427 gallons of water were produced in Pennsylvania during calendar year 2009, but 43,515,805 gallons of water were re-used (or recycled) during the year. The volume of water recycled is reported in Section 2, Beneficial Use.

If you have any questions, or require any additional information, please call me at (724) 873-3226.

Respectfully submitted,

RANGE RESOURCES - APPALACHIA, LLC

Carla L. Suszkowski, C.E. Regulatory and Environmental Manager

Range Resources – Appalachia LLC

2540-PM-BWM0347 6/2005 pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

### FORM 26R CHEMICAL ANALYSIS OF RESIDUAL WASTE ANNUAL REPORT BY THE GENERATOR

This form n	nust be fully and accura	tely completed. All requi	red information must	be	DEP	USE ONLY
typed or leg	ibly printed in the spaces	provided. If additional spa	ace is necessary, iden	tify 🛛	Date Receiv	ed & General Notes
each attach	ed sheet as Form 26R,	reference the item numb	er and identify the d	ate		
prepared. T	he date on attached shee	ts needs to match the date	noted below.			
General Ref	erence 287.54					
Date Prepar	ed/Revised Fet	oruary 22, 2010				
	SECTION A.	CLIENT (GENERATOR	OF THE WASTE)	NFOR	MATION	
Company Na	ame					
Range Res	Surces - Appalachia, LLC	,			<b>CDA</b>	Company ID#
li a Subsidia	ry, Name of Parent Comp	any			EFA	Generator ID#
Company M	ailing Address Line 1	C	ompany Mailing Addre	ss Line	2	
380 Southp	ointe Blvd., Suite 300				-	
Company A	Idress Last Line – City	State	Zip+4	P	hone	Ext
Canonsburg			15317	(	(24) 8/3-32	26 NA
Suezkowski	Intact Last Name	Carla	IVI		Sum	X
Municipality		Calla	County			
Cecil Towns	ship	N. N	Vashington			
Contact Pho	ne Ext	Contact Email Address	laonington			
(724) 873-3	226 NA	csuszkowski@rangeresc	ources.com			
Is the waste	generated at the Compar	y Mailing Address (noted a	above)?			Yes 🛛 No
If 'No', desc	ribe location of waste gen	eration and storage. Wast	e was generated during	hydrau	lic fracturing	operations at a
Marcellus sh	ale well site located in Cros	s Creek Township, Washingt	ton County, Pennsylvan	ia		
Municipality	Cross Creek Tw	/p. <b>County</b> Washi	ington		State	PA
		SECTION B. WAST	<b>E DESCRIPTION</b>			
Residual	Reside	ual Waste			Unit of	Time
Waste Code	Code D	escription	Amount	N	leasure	Frame
420	Process Wastewaters	(Non-hazardous)	69,912,427		/d ⊠gal	
The second second		1. GENERAL P	ROPERTIES			
a. pHF	ange 5.5	to 7.8	(based on analyses or k	nowled	lge)	and the second se
b. Phys	ical State	Liquid Waste (EPA Me	thod 9095)		- <b>.</b>	
		Solid (EPA Method 909	95)			
		Gas (ambient tempera	ture & pressure)			
c. Phys	ical Appearance	Color clear	Odd	n n	one	
		Number of Solid or Liquid	Phases of Separation	n 1		
		Describe each phase of s	eparation. <u>liquid</u>			
		2 CUERROAL ANALY	ATTAQUINENTO	-		
a Tho	reculte of a detailed ober	2. CHEMICAL ANALYS	SIS ATTACHMENTS	n the		Vee D No
a. The instr	uctions, is attached.	incal characterization of the	waste, as described i	n the		
b. A de	tailed description of the v	vaste sampling method is a	attached.			Yes 🛛 No
c. The attac	quality assurance/quality hed.	control procedures employ	yed by the laboratory(i	es) is		Yes 🛛 No
d. The	results of the hazardous v	waste determination is atta	ched.		X	Yes No
e. If ap	plicable, a detailed explar	nation supporting use of ge	enerator knowledge in		Yes 🗍	No 🕅 N/A
lieu	of actual chemical analysi	is is attached	-			

## Attachment C

1010232	3.	PROCESS DESCRIPTION &	SCHEMATIC ATTACH	MENTS		7.00				
a.	A detailed description of the the waste, as specified in the	nanufacturing and/or pollu instructions, is attached.	tion control process	ses producing	🛛 Yes	No No				
b.	A schematic of the manufacture as specified in the instruction	uring and/or pollution contr is, is attached.	ol processes produ	cing the waste,	Yes	No No				
с.	If portions of the information submitted are confidential, the substantiation for Yes No X N/A a confidentiality claim, as described in the instructions, is attached.									
	SECTION C. MANAGEMENT OF RESIDUAL WASTE									
		1. PROCESSING OR DIS	POSAL FACILITY(IES)							
The ar	ea below (ad.) will accommo	ate the identification of two	o facilities. Attach a	dditional sheets	if necessary.					
a.	Solid waste permit number(s) Processing Facility Permit N	<b>for processing or disposa</b> o. 301353	facility being utilize	ed.						
b.	Facility Name	Advanced Waste Service	es		·					
	Address Line 1	101 River Park Drive								
	Address Line 1									
	Address City State ZIP	New Castle	PA	16101						
	Municipality	New Castle	County [	awrence						
C.	Facility Contact Name	Anthony Cialella								
	Title		·· .	···						
	Phone	414-475-3100	Email Address		·					
d.	Volume of waste shipped to p	rocessing or disposal facil	ity in the previous y							
	3,276,485	cu yd 🛛 gal 🗌	] Ib 📋 ton	(check one)						
a.	Solid waste permit number(s)	for processing or disposal	facility being utilize	ed.						
	Processing Facility Permit No	o. WMGR119								
b.	Facility Name	Eureka Resources, LLC			·					
	Address Line 1	301 Charles St.			·····	·				
	Address Line 1									
	Address City State ZIP	S. Williamsport	PA	17702						
	Municipality		County	····						
C.	Facility Contact Name	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	<u> </u>						
	Title		· · · · · · · · · · · · · · · · · · ·			· · · ,				
	Phone	·····	Email Address							
d.	Volume of waste shipped to p	rocessing or disposal facil	ity in the previous y	ear.						
	771,680	cu yd 🛛 🖾 gal 🗌	] Ib 📋 ton	(check one)						
19.00.00 LSS		2. BENEFIC	IAL USE							
а.	Has the waste been approved	for beneficial use?			Yes	No No				
	If "Yes", list the general permi	t number or approval num	ber. Refer to t	the attached nar	rative					
b.	Volume of waste beneficially	used in the previous year.		(aback as -)	<u></u>					
	40,010,000	cuyu 🖂 gai 📋	nov [ un ]	(cneck one)						

#### 2540-PM-BWM0347 6/2005

			SECTION D. CERTIFICATION
l certify, Report a obtainin knowled §4904, re	under penalty of law, the and all attached docum g the information, I ve Ige. I understand that elating to unsworn falsion	nat I I nents erify the s ficatio	have personally examined and am familiar with the information submitted in this Annual and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my ubmission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Check th	he following, if applicab	le:	
	certify the information and has not chang	requi jed.	red in Section B-A, General Properties was supplied to the Department for the year
F	Form Submitted:		Form 26R
			Other (specify)
C	Date Submitted:		
	certify the information and has not chang	requi jed.	red in Section B-B, Chemical Analysis was supplied to the Department for the year
F	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
☐ Ic fo	certify the information re or the year and ha	equir as no	ed in Section B-C, Process Description and Schematic, was supplied to the Department t changed.
F	Form Submitted:		Form 26R
			Other (specify)
C	Date Submitted:		
Name of	Responsible Official		Title Regulatory and Environmental Manager
Carla L.	Suszkowski		
Signatur	re		Date

	SECTION C. I	MANAGEMENT O	F RESIDUAL WASTE	(CONTINUED)
		1. PROCESSING OR	DISPOSAL FACILITY(IES)	
The ai	rea below (ad.) will accommo	date the identification of	f two facilities. Attach addi	tional sheets if necessary.
a.	Solid waste permit number(s	) for processing or disp	osal facility being utilized.	
b.	Facility Name	Liquid Assets Dispos	sal	
	Address Line 1	99 Peninsula St.		
	Address Line 1			
	Address City State ZIP	Wheeling	W	26003
-			County	
C.	Facility Contact Name	Andy Kicinski		
	Phone	724 222 6080	Email Address	
		124-222-0000		
a.	12,929,787	cu yd 🛛 gal	lb ton	(check one)
а.	Solid waste permit number(s NPDES Permit No. PA0101508	) for processing or disp 3	osal facility being utilized.	
b.	Facility Name	Pennsylvania Brine	Freatment	
	Address Line 1	5148 U.S. 322		
	Address Line 1 Address City State 71P	Frenklin		40000
	Municipality	FIdIKIII	County	10323
C.	Facility Contact Name	Paul Hart		
	Title			
	Phone	814-437-3593	Email Address	
d.	Volume of waste shipped to p 583,640	processing or disposal f	acility in the previous year	(check one)
а.	Solid waste permit number(s) NPDES Permit No. PA0091472	) for processing or disp	osal facility being utilized.	
b.	Facility Name	Tunnelton Liquids Co	ompany	
	Address Line 1	671 Hogue Drive		· · · · · ·
	Address Line 1			
	Address City State ZIP	Saltsburg	PA	15681
			County	
с.	Title	Bruce Buffalini	·····	
	Phone	814-226-5016	Email Address	
d.	Volume of waste shipped to p 334,496	processing or disposal f	acility in the previous year.	(check one)
а.	Solid waste permit number(s)	for processing or dispo	osal facility being utilized.	
b.	Facility Name	Virgin Oil & Water		
	Address Line 1	5752 W. Webb Road		
	Address Line 1			
	Address City State ZIP	Youngstown	OH	44515
			County	
С.	Facility Contact Name	No longer in business	S	
	Phone	330-744-0020	Email Address	
d	Volumo of worth chinned to			
u.	419,160	cu yd 🛛 🔀 gal	acility in the previous year.	(check one)

Attachment C

	- 'and' - ES						
F	Facility Name	Somers	set Productio	on Company	/		
	Address Line 1	50 Fou	ntain Plz Ste	1220			
P	Address Line 1						
P	Address City State ZIP	Buttalo		<u>[</u>	NY .	14202	
n	Nunicipality			-	county		
F	acility Contact Name	Jay Mill	er or Thoma	as O'Neill		in the second se	
Т	Ttie					Real Providence of the second s	
P	hone	814-442 716-842	2-2943 or 2-1042	Email /	Address	- 3_ T	
V 2	olume of waste shipped 08,257	to processing	g or disposal X gal	facility in th	ton	ar. (check one)	
S U	iolid waste permit numbe IIC Permit No. 3420	r(ș) for proce	ssing or disj	posal facility	being utilize	d.	-
F	acility Name	COLUMN TWO	State of the State of the State				
A	ddress Line 1	COL.		anima anima			
A	ddress Line 1	No. No.					
A	ddress City State ZIP	Diamón		C	)H	44412	·····
-M	lunicipality			G	ounty		
P	acility Contact Name		and the second				
Ti	itie	-	100000				
		Contractor of the local division of the loca	The second second second	and the sector of	And in case of the local division of the loc		
P	hone	No.					
Pl Ve 24	none olume of waste shipped t 48, 178	o processing	or disposal	facility in th	e previous ye	ar. (check one)	
Pl Va 24 So	hone olume of waste shipped t 48,178 olid waste permit number	o processing cu yd (s) for proces	or disposal [X] gai asing or disp	facility in th bosai facility	e previous ye ton being utilized	ar. (check one) I.	
Pi Ve 24 Se	hone olume of waste shipped t 48,178 olid waste permit number acility Name	o processing cu yd (s) for process Brineaw	or disposal	facility in th	e previous ye ton being utilized	ar. (check one) I.	
Pl Va 24 Sa Fa	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1	o processing cu yd (s) for proces Brineawa 19220 U	or disposal gal asing or disp ay (Injection S Route 62	facility in th bosal facility Well)	e previous ye i ton being utilized	ar. (check one) I.	
Pi Vi 24 Sc Fa Ac	hone olume of waste shipped t 48,178 olid waste permit number acility Name ddress Line 1 ddress Line 1	o processing cu yd (s) for proces Brineawa 19220 U	or disposal gai asing or disp ay (Injection S Route 62	facility in th bosai facility Well)	e previous ye ton being utilized	ar. (check one) I.	
Pl Vi 24 Sc Fa Ac Ac Ac	hone olume of waste shipped t 48,178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP	o processing cu yd (s) for proces Brineawa 19220 U Beloit	or disposal gai ssing or disp ay (Injection S Route 62	facility in th bosal facility Well)	e previous ye i ton being utilized	ar. (check one) I. 44609	
Pl Vi 24 Sc Fa Ac Ac Ac	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality	o processing cu yd (s) for process Brineawa 19220 U Beloit	or disposal gai ssing or disp ay (Injection S Route 62	facility in th bosal facility Well) C	e previous ye ton being utilized H ounty	ar. (check one) I. 44609	
Pl Vi 24 Sc Fa Ac Ac Ac Ac Ac	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name	o processing cu yd (s) for proces Brineawa 19220 U Beloit	or disposal gai ssing or disp ay (Injection S Route 62	facility in th bosal facility Well) C	e previous ye ton being utilized H ounty	ar. (check one) I. 44609	
Pi 24 So Fa Ac Ac Ac Ac Fa	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name the	o processing cu yd (s) for proces Brineawa 19220 U Beloit	or disposal gal ssing or disp ay (Injection S Route 62	facility in th bosal facility Well) C	e previous ye [] ton being utilized H ounty	ar. (check one) I. 44609	
Pi Vi 24 So Fa Ac Ac Ac Ac Fa Tit	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name tle	o processing cu yd (s) for proces Brineawa 19220 U Beloit 330-938	or disposal gal ssing or disp ay (Injection S Route 62	facility in th bosal facility Well) C Email A	e previous ye ton being utilized H ounty ddress	ar. (check one) I. 44609	
PI Vi 24 Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc Sc	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name tle hone	o processing cu yd (s) for proces Brineawa 19220 U Beloit 330-938-	or disposal gal asing or disp ay (Injection S Route 62 -2172	facility in th	e previous ye ton being utilized H ounty ddress	ar. (check one) I. 44609	
Pi Vi 24 Si Fa Ac Ac Ac Ac Ac Ac Ac Ac Ac Si Si Si Si Si Si Si Si Si Si Si Si Si	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name tie hone olume of waste shipped to 39, 134	o processing cu yd (s) for process Brineawa 19220 U Beloit 330-938- processing cu yd	or disposal gal asing or disp ay (Injection S Route 62 -2172 or disposal gal	facility in th bosal facility Well) C Email A facility in the	e previous ye	ar. (check one) I. 44609 Ar. (check one)	
Pi Vi 24 Si Fa Ac Ac Ac Ac Ac Ac Fa Th Ph Vc 58 So	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name tie hone olume of waste shipped to 39, 134 olid waste permit number	o processing cu yd (s) for process Brineawa 19220 U Beloit 330-938- processing cu yd (s) for process	or disposal gal asing or disp ay (Injection S Route 62 -2172 or disposal Sing or disp	facility in th bosal facility Well) C Email A facility in the bosal facility	e previous ye ton being utilized H ounty ddress e previous ye ton being utilized	ar. (check one) I. 44609 ar. (check one)	· · · · · · · · · · · · · · · · · · ·
Pi Vi 24 Si Fa Acc Acc Acc Acc Acc Acc Acc Acc Si Si Si Si Si Si Si Fa	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name tle hone olume of waste shipped to 39, 134 olid waste permit number	o processing cu yd (s) for process Brineawa 19220 U Beloit 330-938 processing cu yd (s) for process Devco (li	or disposal gai ssing or disp ay (Injection S Route 62 -2172 or disposal sing or disp njection We	facility in th bosal facility Well) C Email A facility in the lb tosal facility	e previous ye ton being utilized ounty ddress e previous ye ton being utilized	ar. (check one) I. 44609 Ar. (check one)	·
Pl Vi 22 Si Fa Acc Acc Acc Acc Acc Acc Acc Acc So So Fa Acc So So	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name tle hone olume of waste shipped to 39, 134 olid waste permit number acility Name ddress Line 1	o processing cu yd (s) for process Brineawa 19220 U Beloit 330-938- processing Cu yd (s) for process Devco (li 221 ½ S.	or disposal gal asing or disp ay (Injection S Route 62 -2172 or disposal sing or disp njection Wel Sixth St.	facility in th   ib posal facility Well) O Email A facility in the   ib posal facility   )	e previous ye ton being utilized ounty ddress e previous ye ton being utilized	ar. (check one) I. 44609 ar. (check one)	· · · · · · · · · · · · · · · · · · ·
Pl Vi 24 Si Fa Acc Acc Acc Acc Acc Acc Mi Fa So Fa Acc So Fa Acc Acc Acc Acc Acc Acc Acc Acc Acc Ac	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name tie hone olume of waste shipped to 39, 134 olid waste permit number acility Name ddress Line 1 ddress Line 1	o processing cu yd (s) for process Brineawa 19220 U Beloit 330-938- processing cu yd (s) for process Devco (li 221 ½ S.	or disposal gal asing or disp ay (Injection S Route 62 -2172 or disposal sing or disp njection We Sixth St.	facility in th   ib losal facility Well) C Email A facility in the   ib losal facility   )	e previous ye ton being utilized H ounty ddress e previous ye ton being utilized	ar. (check one) I. 44609 ar. (check one)	· · · · · · · · · · · · · · · · · · ·
Pl Vi 24 Si Fa Acc Acc Acc Acc Acc Min Ph Vc 58 So Fa Acc Acc Acc Acc Acc Acc Acc Acc Acc Ac	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name tie hone olume of waste shipped to 39, 134 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress Line 1 ddress City State ZIP	o processing cu yd (s) for process Brineawa 19220 U Beloit 330-938- processing cu yd (s) for process Devco (li 221 ½ S. Byeville	or disposal gal asing or disp ay (Injection S Route 62 -2172 or disposal sing or disp asing or disp njection Wel Sixth St.	facility in th hosal facility Well) C Email A facility in the b osal facility II)	e previous ye i ton being utilized H ounty ddress e previous ye i ton being utilized H	ar. (check one) 1. 44609 ar. (check one) 1. 43723	· · · · · · · · · · · · · · · · · · ·
Pi Vi 22 Si Si Fa Acc Acc Acc Acc Acc Acc Acc Acc Acc Ac	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name tie hone olume of waste shipped to 39, 134 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress Line 1 ddress City State ZIP unicipality	o processing cu yd (s) for process Brineawa 19220 U Beloit 330-938- processing Cu yd (s) for process Devco (li 221 ½ S. Byeville	or disposal gal asing or disp ay (Injection S Route 62 -2172 or disposal sing or disp njection Wel Sixth St.	facility in the	e previous ye ton being utilized H ounty ddress e previous ye ton being utilized H ounty	ar. (check one) 1. 44609 ar. (check one) 1. 43723	· · · · · · · · · · · · · · · · · · ·
Pl Vi 22 Si Fa Acc Acc Acc Acc Acc So So Fa Acc Acc Acc Acc Acc Acc Acc Acc Acc Ac	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name tie hone olume of waste shipped to 39, 134 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality cility Contact Name	o processing cu yd (s) for process Brineawa 19220 U Beloit 330-938- processing cu yd (s) for process Devco (li 221 ½ S. Byeville David Hil	or disposal gal asing or disp ay (Injection S Route 62 -2172 or disposal sing or disp njection Wel Sixth St.	facility in the	e previous ye ton being utilized H ounty ddress e previous ye ton being utilized H ounty	ar. (check one) 1. 44609 ar. (check one) 43723	· · · · · · · · · · · · · · · · · · ·
Pl Vi 22 Si Fa Acc Acc Acc Acc Acc Acc Fa Th Ph Vc 58 So Fa Acc Acc Acc Acc Acc Acc Acc Acc Acc Ac	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name tie hone olume of waste shipped to 39, 134 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality cility Contact Name dess City State ZIP unicipality cility Contact Name	o processing cu yd (s) for process Brineawa 19220 U Beloit 330-938- processing cu yd (s) for process Devco (li 221 ½ S. Byeville David Hil	or disposal [X] gal asing or disp ay (Injection S Route 62 -2172 or disposal Sing or disp njection Wel Sixth St.	facility in th bosal facility Well) C Email A facility in the bosal facility II)	e previous ye ton being utilized H ounty ddress e previous ye ton being utilized H ounty	ar. (check one) 1. 44609 ar. (check one) 43723	
PI Vi 22 Si Fa Acc Acc Acc Acc Acc Acc Acc Acc Acc Ac	hone olume of waste shipped t 48, 178 olid waste permit number acility Name ddress Line 1 ddress Line 1 ddress City State ZIP unicipality acility Contact Name tle boume of waste shipped to 39, 134 olid waste permit number acility Name ddress Line 1 ddress Line 1	o processing cu yd (s) for process Brineawa 19220 U Beloit 330-938- processing Cu yd (s) for process Devco (li 221 ½ S. Byeville David Hil 740-685-	or disposal Sing or disp ay (Injection S Route 62 -2172 or disposal Sing or disp njection Wel Sixth St.	facility in th   b posal facility Well) O Email A facility in the lib posal facility II) O C Email A	e previous ye ton being utilized H ounty ddress H being utilized H ounty ddress	ar. (check one) 1. 44609 ar. (check one) 43723	•

## Attachment C

	iber(a) for processi	ng or uist	oosal facilit	y being utilized	1.	
Facility Name Address Line 1 Address Line 1					······	
Address City State ZiP Municipality	Paris			OH	44669	
Facility Contact Name				, interest of the second secon		
Title			F			
Volume of waste shippy	d to processing or	dispesal	Email /			
1,845,638	Cuyd [	gai		ton	(check one)	
Solid waste permit num UIC Permit No. 2763	ber(s) for processir	ng or disp	osai facility	being utilized		
Facility Name		17	<b>P</b>		No. 2	
Address Line 1					· · · · · · · · · · · · · · · · · · ·	
Address City State ZIP	Magnolia			)H-	-44643-	
Facility Contact Name	Clinit			willy		
Title						
Phone			Email A	ddress		
Volume of waste shippe 21,294	d to processing or cuyd	disposal i gal	acility in th	e previous yea	r. (check one)	100
Solid waste permit numb UIC Permit No. 1198	ber(s) for processin	g or disp	osal facility	being utilized		
Facility Name	e la companya de la compa	• • • • • • • • • • • • • • • • • • •				
Address Line 1					· · · · · · · · · · · · · · · · · · ·	
Address City State 710	Discourse		~			
Address City State LIP	Diamon			H	44412	
Municipality	Diamon		C	ounty	44412	
Municipality Facility Contact Name Title			c	ounty	44412	
Facility Contact Name Title Phone			C Email A	ounty ddress	44412	
Municipality         Facility Contact Name         Title         Phone         Volume of waste shipped         980,695	d to processing or t	nsposal f gal	Email A acliity in th	ddress e previous yea	44412 r. (check one)	
Autress City State ZiP         Municipality         Facility Contact Name         Title         Phone         Volume of waste shipped         980,695         Solid waste permit numb         UIC Permit No. 1076	d to processing or t	nsposal f ] gal g or dispo	Email A Email A acility in th Disal facility	ddress e previous yea ton being utilized.	44412 r. (check one)	
Municipality Facility Contact Name Title Phone Volume of waste shipped 980,695 Solid waste permit numb UIC Permit No. 1076 Facility Name	d to processing or cu yd x per(s) for processin	g or dispo	Email A acliity in th U Ib osal facility	ddress e previous yea ton being utilized.	44412 r. (check one)	
Municipality Facility Contact Name Title Phone Volume of waste shipped 980,695 Solid waste permit numb UIC Permit No. 1076 Facility Name Address Line 1 Address Line 1	d to processing or cu yd x per(s) for processing	gal gal	Email A Email A acility in th Ib Dosal facility	ddress ddress e previous yea [] ton being utilized.	44412 r. (check one)	
Address City State ZiP         Municipality         Facility Contact Name         Title         Phone         Volume of waste shipped         980,695         Solid waste permit numb         UIC Permit No. 1076         Facility Name         Address Line 1         Address City State ZIP	Diamon	g or dispo	Email A acliity in th Ib osal facility	H ounty ddress e previous yea [] ton being utilized.	44412 r. (check one) 44669	
Address City State ZiP         Municipality         Facility Contact Name         Title         Phone         Volume of waste shipped         980,695         Solid waste permit numb         UIC Permit No. 1076         Facility Name         Address Line 1         Address City State ZIP         Municipality	Diamon	gal gal	Email A Email A acility in th b bsal facility	H ounty ddress e previous yea [] ton being utilized, H ounty	44412 r. (check one) 44669	
Address City State ZiP         Municipality         Facility Contact Name         Title         Phone         Volume of waste shipped         980,695         Solid waste permit numb         UIC Permit No. 1076         Facility Name         Address Line 1         Address Line 1         Address City State ZIP         Municipality         Facility Contact Name	Diamon	g or dispo	Email A acliity in th Ib Dosal facility	H ounty ddress e previous yea [] ton being utilized. H ounty	44412 r. (check one) 44669	
Address City State ZiP         Municipality         Facility Contact Name         Title         Phone         Volume of waste shipped         980,695         Solid waste permit numb         UIC Permit No. 1076         Facility Name         Address Line 1         Address Line 1         Address City State ZIP         Municipality         Facility Contact Name         Title         Phone	Diamon	gal gal g or dispo	Email A acility in th b basal facility O C Email A	ddress ddress ddress ddress ddress ddress	44412 r. (check one) 44669	
Municipality         Facility Contact Name         Title         Phone         Volume of waste shipped         980,695         Solid waste permit numb         UIC Permit No. 1076         Facility Name         Address Line 1         Address Line 1         Address City State ZIP         Municipality         Facility Contact Name         Title         Phone	Diamon	gal gal g or dispo	Email A acliity in th Desai facility	ddress e previous yea inton being utilized. H ounty ddress	44412 r. (check one) 44669	

### FORM 26R CHEMICAL ANALYSIS OF RESIDUAL WASTE ANNUAL REPORT BY THE GENERATOR

### **RANGE RESOURCES – APPALACHIA, LLC**

### NARRATIVE

### **B. APPLICANT IDENTIFICATION**

<u>AMOUNT:</u> The total volume of produced water generated during calendar year 2009 is 69,912,427 gallons, as reported. It should be noted that 43,455,805 gallons of produced waters were directly recycled by Range Resources in our day to day operations.

#### 2. CHEMICAL ANALYSIS ATTACHMENTS

a. The results of a detailed chemical characterization of the waste is attached.

Detailed chemical analysis is attached and provides a representative analysis of produced/flowback water on Day 1, Day 5, Day 14, and Day 90. Additionally, a summary table of all analytical is also attached.

b. A detailed description of the waste sampling method is attached.

The sampling and analysis was conducted in accordance with the Sampling and Analysis Plan developed by the Appalachian Shale Water Conservation Management Committee, in conjunction with the PADEP. This Sampling and Analysis Plan was submitted to the PADEP for review and comment prior to initiating the program. As such, a copy of the plan is not attached to this Form 26R.

c. <u>The quality assurance/quality control procedures employed by the laboratory</u> <u>are attached.</u>

The laboratory utilized for this testing program is a Pennsylvania certified, NELAC accredited laboratory and the QA/QC procedures employed by the laboratory are those required to remain in compliance with their certifications. The QA/QC procedures are not attached to this submittal.

d. The results of the hazardous waste determination are attached.

The attached analytical results indicate that the waste is not a hazardous waste.

### 3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS

a. <u>A detailed description of the manufacturing and/or pollution control processes</u> producing the waste is attached.

The water is produced during the hydraulic fracturing of Marcellus Shale natural gas wells and during the time that the wells are in production.

			Frac Volume (DDIS)		11,995	-		
			Cumulative Flowback (bbls)	3,272	10,830	12,331	17,413	
			Recovery Rate (%)	4%	14%	16%	22%	
		40 CFR 2	261 Appendix VIII	C	ross Creek U	nit #8H		Integrated
Constituents	Units	Chemical Abstract No.	Hazardous Waste No.	Day 1	Day 5	Day 14	Day 90	Average
Acidity	mg/L	No	t Applicable	ND	ND	122	388	124
Alkalinity	mg/L	No	t Applicable	157	54	60.2	11.5	61
Aluminum	mg/L	No	t Applicable	510	950	1450	2570	1383
Ammonia Nitrogen	mg/L	No	t Applicable	60	115	135	168	122
Arsenic	mg/L	7440-38-2		0.037	0.078	0.083	0.109	0.080
Barlum	mg/L	7440-39-3		19.200	77.1	83.1	87.2	69.7
Benzene	mg/L	71-43-2	U019	0.260	0.880	0.360	0.290	0.546
Beryllium	mg/L	7440-41-7	P015	ND	ND	ND	ND	ND
Biochemical Oxygen Demand	mg/L	No	t Applicable	75	64.8	120	\$2488	3672
Boron	mg/L	No	t Applicable	13	12.2	14.7	12.7	13
Bromide	mg/L	No	t Applicable	376	826	1040	1600	986
Cadmium	mo/L	7440-43-9		ND	0.002	0.005	0.003	0.002
(Committee)	mo/L	No	t Applicable	3980	8880	14900	19850	13588
Unterment Congen Demand	ma/L	No	t Applicable	2470	5170	8370	16400	8800
Childrenham	ma/l	No	t Applicable	00816	Coning .	TOUTION	138000	and the second s
Chromium	mg/L	7440-47-3		0.011	0.039	0.033	0.016	0.027
Cobalt	mg/l	No	t Applicable	11	ND	ND	ND	2
Copper	mg/L	No	t Applicable	62	116	73	ND	69
Ethylana Chucol	mg/L	No	t Applicable	ND	ND	ND	200	85
L'alylette Olycol	mg/L	No	t Applicable	togoti	78000	530000	230	14141
Iron Discolund	mg/L	No	t Applicable	11	46	47	74	47.6
Iron Total	mg/L	No	t Applicable	12	50	75	60	50.4
load	mg/L	7420.02.1		0.025	0.061	0.106	ND	0.040
Leau	mg/L	1435-52-1	t Appliachla	0.025	0.001	0.100	105	0.040
Liunum	mg/L	No	Applicable	204	001	1200	103	1100
Magnesium	mg/L	NG NG	t Applicable	394	001	7.30	1030	F 74
Manganese	mg/L	NO	Applicable	2.39	4.00	1.32	0.99	5.74
MBAS	mg/L	7420.07.0	Applicable	0.004	ND	0,400	0.699	0.250
Mercury	mg/L	1439-91-6	A A P the	0.065	ND	ND	ND	0.012
Molybdenum	mg/L	NO.		11.50	30.80	ND	ND	15.5
Nickel	mg/L	/440-02-0		15.3	20.4	NU	ND	14.3
Nitrite-Nitrate Nitrogen	mg/L	NO	t Applicable	0.45	0.34	0.25	NU	0.25
Oil & Grease	mg/L	No	t Applicable	ND	20.4	9.9	802	244
pH		No	t Applicable	6.4	6.4	6.2	5.9	6.2
Phenolics	mg/L	108-95-2	0188	0.058	0.016	ND	0.230	0.085
Selenium	mg/L	7782-49-2		ND_	ND	ND	49.9	14.6
Silver	mg/L	7440-22-4		ND	ND	ND	ND	ND
Sadium	mg/L	No	t Applicable		23700	340406		2786521
Specific Connuctence	umhos/cm	No	t Applicable	124000	293500	286000	480306	289349
Strontium	mg/L	No	t Applicable	539	1350	2100	3410	1863
Sulfates	mg/L	No	t Applicable	102.0	60.7	89.3	32.8	62.8
Toluene	mg/L	108-88-3	U220	0.27	0.92	0.43	1.60	0.95
Tone Liseowed Solds	mg/L	No	t Applicable	81280	114000	167000	200000	139753
Total Kjeldahl Nitrogen	mg/L	No	t Applicable	77.7	55.9	127	87.7	75.4
Total Suspended Solids	mg/L	No	t Applicable	6.8	204	209	83	132
Zinc	ma/l	Nr	t Applicable	0 132	0 106	0.123	0.218	0 145

#### Radiological Characaterization

Gross Alpha	pCi/L	Not Applicable		
Gross Beta	pCi/L	Not Applicable		
Radium 226	pCi/L	Not Applicable	861	1270
Radium 228	pCi/L	Not Applicable	655	1100
Thorium 227	pCi/L	Not Applicable	-49	2
Thorium 234	pCi/L	Not Applicable	10	150
Uranium 235	pCi/L	Not Applicable	-40	40
Uranium 238	pCi/L	Not Applicable	10	150

B - Estimated result. Result is less than RL. E - Matrix interference. U - Result is less than the sample detection limit.

<50 mg/L >50 mg/L and <10,000 mg/L for constituents from 40 CFR 261.34 Appendix VIII >10,000 mg/L



TestAmerica Laboratories, Inc.

## ANALYTICAL REPORT

PROJECT NO. CC6H8H Day1

Table 2

Lot #: C9C270155

Tony Gaudlip

Range Resources Corporation 380 Southpointe Blvd Suite 300 Canonsburg, PA 15317

TESTAMERICA LABORATORIES, INC.

Christina M. Kovitch Project Manager

April 24, 2009

301 Alpha Drive Pittsburgh, PA 15238 tel 412.963.7058 fax 412.963.2468 www.testamericainc.com



## **NELAC REPORTING:**

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

State/Program NFESCNA (#P30-07-00101)Program TypesTestAmentcaNFESCNA (#P30-07-00101)Foreign Soil Import PermitXArkansas(#88-0690)WWXArkansas(#88-0690)WWXCalifornia – NELAC04224CAWWXConnecticut(#PH-0688)HWXFlorida – NELAC(#E871008-04)WWXFlorida – NELAC(#E871008-04)WWXIllinois – NELAC(#E871008-04)HWXVansas – NELAC(#E002064)WWXLouisiana – NELAC(#E10350)WWXNew Hampshire – NELAC(#203008)	Certifying	Certificate #	Deserve Towned	T
NFESC         NA         NAVY         X           US Dept of Agriculture         (#P330-07-00101)         Foreign Soil Import Permit         X           Arkansas         (#88-0690)         WW         X           California – NELAC         04224CA         WW         X           Connecticut         (#PH-0688)         WW         X           Florida – NELAC         (#E871008-04)         HW         X           Florida – NELAC         (#E871008-04)         HW         X           Illinois – NELAC         (#002064)         HW         X           Illinois – NELAC         (#04041)         WW         X           Kansas – NELAC         (#203008)         WW         X           Louisiana – NELAC         (#203008)         -         -           New Jersey – NELAC         (PA-005)         HW         X           New York – NELAC         (#11182)         HW         X           New York – NELAC         (#02-00416)         HW         X           Vith Carolina         (#434)         WW         X           Votth Carolina         (#89014002)         HW         X           Weet Vitrolina         (#89014002)         HW         X	State/Program		Program Types	lestAmerica
US Dept of Agriculture         (#P330-07-00101)         Foreign Soil Import Permit         X           Arkansas         (#88-0690)         WW         X           California – NELAC         04224CA         WW         X           Connecticut         (#PH-0688)         WW         X           Florida – NELAC         (#E871008-04)         HW         X           Florida – NELAC         (#E871008-04)         WW         X           Illinois – NELAC         (#002064)         WW         X           Illinois – NELAC         (#E-10350)         WW         X           Kansas – NELAC         (#203008)         WW         X           Loulsiana – NELAC         (#203008)         -         -           New Hampshire – NELAC         (#11182)         HW         X           New York – NELAC         (#11182)         HW         X           New York – NELAC         (#02-00416)         HW         X           New York – NELAC         (#02-00416)         HW         X           New York – NELAC         (#11182)         HW         X           Vorth Carolina         (#434)         HW         X           Vuth Carolina         (#89014002)         HW         X	NFESC	NA	NAVY	Х
Arkansas         (#88-0690)         WW         X           California – NELAC         04224CA         WW         X           Connecticut         (#PH-0688)         WW         X           Florida – NELAC         (#E871008-04)         WW         X           Florida – NELAC         (#E871008-04)         WW         X           Illinois – NELAC         (#002064)         WW         X           Kansas – NELAC         (#E-10350)         WW         X           Louisiana – NELAC         (#203008)         WW         X           New Hampshire – NELAC         (#203008)         -         -           New Jersey – NELAC         (#11182)         WW         X           New York – NELAC         (#434)         HW         X           New York – NELAC         (#1182)         WW         X           New York – NELAC         (#434)         HW         X           New York – NELAC         (#02-00416)         WW         X           We York – NELAC         (#02-00416)         WW         X           Utah – NELAC         (#02-00416)         WW         X           We Vork – NELAC         (#02-00416)         WW         X           Wiget	US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
California – NELAC         04224CA         HW         X           Connecticut         (#PH-0688)         WW         X           Florida – NELAC         (#E871008-04)         HW         X           Florida – NELAC         (#E871008-04)         WW         X           Illinois – NELAC         (#02064)         WW         X           Kansas – NELAC         (#E-10350)         WW         X           Louisiana – NELAC         (#E-10350)         WW         X           New Hampshire – NELAC         (#203008)	Arkansas	(#88-0690)	WW	X
California – NELAC         04224CA         WW         X           Connecticut         (#PH-0688)         WW         X           Florida – NELAC         (#E871008-04)         WW         X           Illinois – NELAC         (#002064)         WW         X           Illinois – NELAC         (#002064)         WW         X           Kansas – NELAC         (#04041)         WW         X           Louisiana – NELAC         (#203008)         WW         X           New Hampshire – NELAC         (#11182)         WW         X           New Jersey – NELAC         (#11182)         WW         X           New York – NELAC         (#1434)         WW         X           North Carolina         (#434)         WW         X           Vultah – NELAC         (#142)         WW         X			HW	X
Connecticut         HW         X           Connecticut         (#PH-0688)         WW         X           Florida – NELAC         (#E871008-04)         WW         X           Illinois – NELAC         (#002064)         WW         X           Illinois – NELAC         (#002064)         WW         X           Kansas – NELAC         (#04041)         WW         X           Louisiana – NELAC         (#04041)         WW         X           New Hampshire – NELAC         (#203008)         WW         X           New Jersey – NELAC         (PA-005)         WW         X           New York – NELAC         (#11182)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           WW         X         X         X         X           WW         X         X         X         X           WW         X         X         X         X           New Jersey – NELAC         (#11182)         WW         X           North Carolina         (#434)         WW         X           Wet Virginia         (#89014002)	California – NELAC	04224CA	WW	х
Connecticut         (#PH-0688)         WW         X           Florida – NELAC         (#E871008-04)         WW         X           Illinois – NELAC         (#002064)         WW         X           Kansas – NELAC         (#E-10350)         WW         X           Kansas – NELAC         (#E-10350)         WW         X           Louisiana – NELAC         (#04041)         WW         X           New Hampshire – NELAC         (#203008)         WW         X           New Jersey – NELAC         (PA-005)         WW         X           New York – NELAC         (#11182)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           WW         X         HW         X           North Carolina         (#89014002)         WW         X           Weet Virginia         (#142)         WW         X			HW	X
HW         X           Florida – NELAC         (#E871008-04)         WW         X           Illinois – NELAC         (#002064)         HW         X           Kansas – NELAC         (#E-10350)         WW         X           Louisiana – NELAC         (#04041)         WW         X           New Hampshire – NELAC         (#203008)         WW         X           New Jersey – NELAC         (#11182)         HW         X           New York – NELAC         (#11182)         WW         X           New York – NELAC         (#89014002)         HW         X           Vorth Carolina         (#89014002)         HW         X           Vitah – NELAC         (STLP)         WW         X           Weet Virrinia         (#142)         WW         X	Connecticut	(#PH-0688)	WW	X
Florida NELAC         (#E871008-04)         WW         X           Illinois - NELAC         (#002064)         WW         X           Kansas NELAC         (#E-10350)         WW         X           Louisiana NELAC         (#04041)         WW         X           New Hampshire NELAC         (#203008)         WW         X           New Jersey NELAC         (#11182)         -         -           New York NELAC         (#11182)         WW         X           New York NELAC         (#02-00416)         WW         X           North Carolina         (#89014002)         WW         X           Utah NELAC         (STLP)         WW         X			HW	X
HW         X           Illinois – NELAC         (#002064)         WW         X           Kansas – NELAC         (#E-10350)         WW         X           Louisiana – NELAC         (#04041)         WW         X           New Hampshire – NELAC         (#203008)         WW         X           New Jersey – NELAC         (#203008)             New Jersey – NELAC         (#11182)         WW         X           New York – NELAC         (#11182)         WW         X           New York – NELAC         (#434)         WW         X           North Carolina         (#434)         WW         X           Voltah – NELAC         (STLP)         WW         X           Weet Virninia         (#142)         WW         X	Florida NELAC	(#E871008-04)	WW	X
Illinois - NELAC         (#002064)         WW         X           Kansas - NELAC         (#E-10350)         WW         X           Louisiana - NELAC         (#04041)         WW         X           New Hampshire - NELAC         (#203008)         WW         X           New Jersey - NELAC         (#203008)         WW         X           New Jersey - NELAC         (#203008)         WW         X           New York - NELAC         (#11182)         WW         X           New York - NELAC         (#4334)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#89014002)         WW         X           Utah - NELAC         (STLP)         WW         X           West Virginia         (#142)         WW         X			HW	X
HW         X           Kansas – NELAC         (#E-10350)         WW         X           Louisiana – NELAC         (#04041)         WW         X           New Hampshire – NELAC         (#203008)         WW         X           New Jersey – NELAC         (#203008)             New Jersey – NELAC         (#11182)         WW         X           New York – NELAC         (#11182)         WW         X           New York – NELAC         (#434)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           Utah – NELAC         (STLP)         WW         X           West Virginia         (#142)         WW         X	Illinois – NELAC	(#002064)	WW	x
Kansas – NELAC         (#E-10350)         WW         X           Louisiana – NELAC         (#04041)         WW         X           New Hampshire – NELAC         (#203008)         WW         X           New Jersey – NELAC         (#203008)             New Jersey – NELAC         (PA-005)         WW         X           New York – NELAC         (#11182)         WW         X           New York – NELAC         (#11182)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           Utah – NELAC         (STLP)         WW         X           Weet Virninia         (#142)         WW         X			HW	<u>X</u>
HW         X           Louisiana – NELAC         (#04041)         WW         X           New Hampshire – NELAC         (#203008)         WW         X           New Jersey – NELAC         (PA-005)         WW         X           New York – NELAC         (PA-005)         WW         X           New York – NELAC         (#11182)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           Wuth Carolina         (#89014002)         WW         X           Utah – NELAC         (STLP)         WW         X           West Virninia         (#142)         WW         X	Kansas – NELAC	(#E-10350)	WW	X
Louisiana – NELAC         (#04041)         WW         X           New Hampshire – NELAC         (#203008)         WW         X           New Jersey – NELAC         (#203008)         WW         X           New Jersey – NELAC         (PA-005)         WW         X           New York – NELAC         (#11182)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           South Carolina         (#89014002)         WW         X           Utah – NELAC         (STLP)         WW         X           West Virninia         (#142)         WW         X			HW	X
HW         X           New Hampshire – NELAC         (#203008)         WW         X           New Jersey – NELAC         (PA-005)         WW         X           New York – NELAC         (#11182)         WW         X           New York – NELAC         (#434)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           South Carolina         (#89014002)         WW         X           Utah – NELAC         (STLP)         WW         X           Weet Virninia         (#142)         WWW         X	Louisiana - NELAC	(#04041)	WW	X
New Hampshire – NELAC         (#203008)         WW         X           New Jersey – NELAC         (PA-005)         WW         X           New York – NELAC         (#11182)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           South Carolina         (#89014002)         WW         X           Utah – NELAC         (STLP)         WW         X           Weet Virginia         (#142)         WW         X			HW	<u>X</u>
New Jersey – NELAC         (PA-005)         WW         X           New York – NELAC         (#11182)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           South Carolina         (#89014002)         WW         X           Utah – NELAC         (STLP)         WW         X           Weet Virginia         (#142)         WW         X	New Hampshire – NELAC	(#203008)	WW	×
New Jersey – NELAC         (PA-005)         WW         X           New York – NELAC         (#11182)         WW         X           North Carolina         (#434)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           South Carolina         (#89014002)         WW         X           Utah – NELAC         (STLP)         WW         X           Weet Virninia         (#142)         WWW         X				
HW         X           New York – NELAC         (#11182)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           South Carolina         (#89014002)         WW         X           Utah – NELAC         (STLP)         WW         X           Weet Virginia         (#142)         WWW         X	New Jersey – NELAC	(PA-005)	ww	X
New York - NELAC         (#11182)         WW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           South Carolina         (#89014002)         WW         X           Utah - NELAC         (STLP)         WW         X           Weet Virninia         (#142)         WWW         X			HW	X
HW         X           North Carolina         (#434)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           Pennsylvania - NELAC         (#02-00416)         WW         X           South Carolina         (#89014002)         WW         X           Utah - NELAC         (STLP)         WW         X           Weet Virginia         (#142)         WWW         X	New York – NELAC	(#11182)	VVVV	X
Norm Carolina         (#434)         VWW         X           Pennsylvania - NELAC         (#02-00416)         WWW         X           South Carolina         (#89014002)         WWW         X           Utah - NELAC         (STLP)         WWW         X           West Virginia         (#142)         WWW         X	North Occurity	(#40.4)	HW	<del>.</del>
Pennsylvania - NELAC         (#02-00416)         WW         X           South Carolina         (#89014002)         WW         X           Utah - NELAC         (STLP)         WW         X           West Virginia         (#142)         WWW         X	Nonn Carolina	(#434)		÷ l
Pennsylvaria - NELAC         (#02-00416)         WW         X           South Carolina         (#89014002)         WW         X           Utah - NELAC         (STLP)         WW         X           West Virginia         (#142)         WW         X	Descentraria NELAC	(#02.00446)		
South Carolina         (#89014002)         WW         X           Utah – NELAC         (STLP)         WW         X           West Virginia         (#142)         WW         X	Pennsylvania - NELAC	(#02-00416)		÷ 1
South Carolina         (#69014002)         WW         X           Utah – NELAC         (STLP)         WW         X           West Virginia         (#142)         WW         X	Couth Comine	(#80014002)		
Utah – NELAC         (STLP)         WW         X           West Virginia         (#142)         WW         X	South Carolina	(#09014002)		÷
Otan - NELAC         (STLP)         WWW         A           HW         X         HW         X		(CTI D)		
Weet Virginia (#142) WAV Y	Utan - NELAC	(5117)		Ŷ
	Most Virginia	(#142)		~
		(#142)		Ŷ I
	Wiezozaja	000027900		·
	AAISCOUSII	330021000	HNAV	Ŷ

The codes utilized for program types are described below:

HW Hazardous Waste certification

WW Non-potable Water and/or Wastewater certification

X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 2/5/2009 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

# C9C270155

9

Ĥ L 18

## TestAmerica chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

## COC ID: KOVITCHC16660-1124-3

TestAmerica, Inc.

**TestAmerica** Pittsburgh 301 Alpha Drive Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

Project Information:	Table 2			Quote #:	Danse	,	Client: LIBS C	aracration	
Date:	3.2700	7		Carrier/Waybill#:			Foster 501 Ho	Plaza 4 liday Drive	
Project Manager:	Amanda Bayne			10	Wa 2		Suite 3	00	
Phone:	412-503-4623		· · · · · · · · · · · · · · · · · · ·	<b>   </b>			Pittsbur	gh	
							PA	15220	
SAMP	LE ID	DATE/TIME	MATRIX	BOT	TLE TYPE	#	PRESERVATIVE	ANALYSIS	
CC6H8H-Day]		3-27-09/1	015 WATER	250P	Plastic - 250mL	1	None	WATER 7196A, Dissolved CR6 (Filter in Lab)	
		1	WATER	1LAG	Glass - 1 Liter Amber	2	Hydrochloric Acid	WATER, 1664A HEM, Oil and Grease	
			WATER	250P	Plastic - 250mL	1	Nitric Acid	WATER, 2340C, Total Hardness	
	····		WATER	1LP	Plastic -1 Liter	1	None	WATER, 2540D, TSS, TDS, T-Alk, Acidity Spec. Cond	
			WATER	1LP	Plastic -1 Liter	1	Sulfuric Acid	WATER, 365.2, Total phosphorus TKN N.Canton	
			WATER	1LP	Plastic -1 Liter	1	Sulfuric Acid	WATER, 410.4, COD, Nitrate-Nitrite , NH3	
			WATER	250P	Plastic - 250mL	0	None	WATER, 4500-CI G, Residual Chlorine, Fle	
			WATER	250AP	Plastic - 250mL (8oz)	1	Sodium Hydroxide	WATER, 4500-CN E, Free Cyanide N Canton	
			WATER	1LP	Plastic -1 Liter	1	None	WATER, 5210 B, BOD N.Canton	
			WATER	w	Glass - 40mL Vial	3	None	WATER, 5310B, Dissolved Organic Carbon (Filter in	
			WATER	w	Glass - 40mL Vial	3	Sulfuric Acid	WATER, 5310B, TOC	
			WATER	1LP	Plastic -1 Liter	1	None	WATER, 5540C MBAS Sulfite (TA Nashville)	
			WATER	500P	Plastic - 500mL (16oz)	1	Nitric Acid	WATER, 6010B Diss-Metals (Sp.List)+ Hg Filter in Lab	
			WATER	500P	Plastic - 500mL (16oz)	1	Nitric Acid	WATER, 6010B T-Metals (Sp.List + Hg	
			WATER	250P	Plastic - 250mL	1	None	WATER, 7196A, Hexavalent Chromium	
Special Requirements:	J				· · · · · · · · · · · · · · · · · · ·				
Possible Hazard Identification	Non-Hazard	Flammable Skin li	rritant Poison B	Unknown Sampl	e Disposal: Return to Client		Disposal by Lab	Archive for Months (A fee may apply if samples are retained longer than 3 months)	
Turn Around Time Required:	Normal	Rush Other	QC Level:	_ I II 161	Project Specific Requirements (S	pecify):			
Relinquished by:	- 725		Date/Time:	3-27-09/120	Received Kard	has	A	Data Times 3/27/09 1201)	
Relinguished by:	0.0		Date/Time:		Received by:			Dale/Time:	
Relinquished by:			Date/Time:		Received by:			Dete/Time:	
Comments:			·····						
· · · · · · · · · · · · · · · · · · ·									

Attachment C

# C9C270155

## TestAmerica chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

### COC ID: KOVITCHC16660-1124-3

### TestAmerica, Inc.

**TestAmerica** Pittsburgh 301 Alpha Drive Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

Project Information:	Table 2			Quote #:		Kang	L	Client: URS C	orporation
Date:	3-27-0	1		Carrier/Waybill #:		0		Foster	Plaza 4
Project Manager:	Amanda Bayne			-	Jah	. 7		Suite 3	00
Phone:	412-503-4623		1	1 M M			Pittsbu	rgh	
		· · · · · · · · · · · · · · · · · · ·		L				PA	15220
SAMP	LE ID	DATE/TIME	MATRIX	B	OTTLE TYPE		#	PRESERVATIVE	ANALYSIS
ccGHSh	1-09/	3-27-29/1015	WATER	w	Glass	s - 40mL Vial	3	Hydrochloric Acid	WATER, 8015 DAI TA Buffalo
	0.1		WATER	w	Glass	s - 40mL Vial	3	None	WATER, 8015 Gylcols TA Buffalo
· · · · · · · · · · · · · · · · · · ·			WATER	vv	Glass	s - 40mL Vial	3	Hydrochloric Acid	WATER, 8260B, VOA (Sp. List)
			WATER	1LAG	Glass -	1 Liter Amber	2	None	WATER, 8270C, BNA Sp. List
	1		WATER	250P	Plas	itic - 250mL	1	Sodium Hydroxide	WATER, 9012A, Total Cyanide
			WATER	250P	Plas	tic - 250mL	1	Zinc Acetate/NaOH	WATER, 9030B/9034, Total Sulfide
			WATER	250AG	Glass -	· 250mL (8oz)	2	Sulfuric Acid	WATER, 9066, Phenolics
			WATER	250P	Plas	tic - 250mL	0	None	WATER, Fecal Coliform/ Total Coliform Microbac
			WATER	1LP	Plas	stic -1 Liter	1	None	WATER, Osmotic Pressure MJ Reider
			WATER	1LP	Plas	stic -1 Liter	1	None	WATER, Sulfate, Nitrite, Nitrate, FI, CI, Br, Turb

Special Requirements:	are Mining dang agar e										
Possible Hazard Identification:	Non-Hazard	Fiammable	Skin Irritant	Poison B	Unknown	Sampi	e Disposal: Return to Client	Disposal by Lab	Archive for M	onths (A fee may apply if retained longer that	samples are n 3 months)
Turn Around Time Required:	Normal	Rush	Other	QC Le	ve/:II		Project Specific Requirements (Spe	ecify):			
Relinquished by:	m	-		Date/	57-02/1	sed	Received by atruch	bank		Date/Time:	1200
Relinquished by.	-0			Date/	îme:		Received by:			Date/Time:	
Relinguished by				Date/1	lime:		Received by:			Date/Time:	
Comments:											
							· · · · · · · · · · · · · · · · · · ·				

F T

10
# Cross Creek Unit 6H & 8H

(37-125-22830-00) (37-125-22793-00)

40° 15' 46.1" N 80° 23' 17.8" W

40° 15' 46.1" N 80° 23' 17.6" W

Cross Creek Township Washington County

<u>Day 1</u> First Day of Flowback 27 Mar 09 Sample ID # C9C270155

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #:	c9c270155	Range	Resources Table	Corporation 2		Date Rep	orted:	PAGE 4/16/09
		Projec	ct Number:	CC6H8H Day1		-		
		-		REPORTING		ANALYI	ICAL	
	PARAMETER		RESULT	LIMIT	UNITS	METHOD	)	
	22							
Clie	ent Sample ID: CC6H8H-DA	Y 1		_				
Samp	ole #: 001 Date Samp	led: 03,	/27/09 10:1	15 Date Rec	eived:	03/27/09 M	latrix:	WATER
Τı	rivalent Chromium Trival	ent Chro	omium					Reviewed
	Trivalent Chrom		ND	50.0	ug/L	SW846	6010B	
	Trivalent Chrom		ND	50.0	ug/L	SW846	6010B	
ጥነ	race Inductively Coupled	Plasma	(ICP) Met.	als				Reviewed
	Silver		ND	50.0	ua/L	SW846	6010B	
	Aluminum		510 B	2000	ug/L	SW846	6010B	
	Arsenic		36.9 B	100	uq/L	SW846	6010B	
	Barium		19200	2000	ug/L	SW846	6010B	
	Beryllium		ND	40.0	ua/L	SW846	6010B	
	Boron		12600	2000	ug/L	SW846	6010B	
	Calcium		3980000	50000	ug/L	SW846	6010B	
	Cadmium		ND	50.0	ug/L	SW846	6010B	
	Cobalt		10.5 B	500	ug/L	SW846	6010B	
	Chromium		11.4 B	50.0	ug/L	SW846	6010B	
	Copper		62.1 B	250	ug/L	SW846	6010B	
	Iron		12200	1000	ug/L	SW846	6010B	
	Lithium		33900	500	11 <b>α/</b> Ι.	SW846	6010B	
	Magnesium		394000	50000	ug/L	SW846	6010B	
	Manganese		2390	150	ug/I	SW846	6010B	
	Molybdenum		11 5 B	400	ug/L	SW846	6010B	
	Sodium		14700000	500000	ug/L	SW846	6010B	
	Nickel		15 3 B	400	ug/1.	SW846	6010B	
	Lead		25.2 B	30.0	ug/L	SW846	6010B	
	, Selenium		ND	50.0	ug/L	SW846	601UB	
	Strontium		539000	5000	ug/L	SW846	6010B	
	Zinc		132 B	200	ug/L	SW846	6010B	
	Silver Dis	solved	ND	50.0	ug/L	SW846	6010B	
	Aluminum Di	ssolved	282 B	2000	ug/L	SW846	6010B	
	Arsenic Di	solved	23.0 B	100	ug/1.	SW846	6010B	
	DI DI	Jour Cu			ag/ L	0.010		

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: C9C270155	Range	Resources Table	Corporat 2	ion	Date Rep	ported:	PAGE 2 4/16/09
PARAMETER	Proje	RESULT	REPORTI	ING UNITS	ANALY] METHOI	TICAL	
Client Sample ID.	CC6H8H-DAY 1						
Sample # · 001	Date Sampled: 03	/27/09 10.1	15 Date	Received.	03/27/09 N	latrix.	WATER
bampie ". ooi	bace bamprea, ob	12.705 10.	Duce	neccervea.	00727705	ia ch fri	MILLER
Beryllium	Dissolved	ND	40.0	ug/L	SW846	6010B	
Boron	Dissolved	12400	2000	ug/L	SW846	6010B	
Calcium	Dissolved	3850000	50000	ug/L	SW846	6010B	
Cadmium	Dissolved	ND	50.0	ug/L	SW846	6010B	
Cobalt	Dissolved	9.5 B	500	ug/L	SW846	6010B	
Chromium	Dissolved	ND	50.0	ug/L	SW846	6010B	
Copper	Dissolved	50.3 B	250	ug/L	SW846	6010B	
Iron	Dissolved	10600	1000	ug/L	SW846	6010B	
						-	
Lithium	Dissolved	33000	500	ug/L	SW846	6010B	
Magnesium	Dissolved	386000	50000	ug/L	SW846	6010B	
Manganese	Dissolved	2300	150	ug/L	SW846	6010B	
Molybdenum	Dissolved	11.2 B	400	ug/L	SW846	6010B	
Sodium	Dissolved	14700000	500000	ug/L	SW846	6010B	
Nickel	Dissolved	9.3 B	400	ug/L	SW846	6010B	
Lead	Dissolved	19.0 B	30.0	ug/L	SW846	6010B	
Selenium	Dissolved	ND	50.0	ug/L	SW846	6010B	
Strontium	Dissolved	531000	5000	11g/L	SW846	6010B	
Detoretun	Dibboirda	001000	0000	49/1	0110110	00100	
			1				
Zinc	Dissolved	42 0 B	200	uσ/I.	SW846	6010B	
bine	Dibboilled	12.0 2	200	ug/ D	5.1010	00100	
Mercurv in Liqu	id Waste (Manual	Cold-Vapor	)				Reviewed
Mercury		0.065 B	0.20	ug/L	SW846	7470A	
Mercury	Dissolved	0.064 B	0.20	ug/L	SW846	7470A	

B Estimated result. Result is less than RL.

۱ د

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user. \_\_\_\_\_

	Range Resources	Corporation			PAGE 3
Lot #: C9C270155	Table	2	D	ate Reported:	4/16/09
	Project Number:	CC6H8H Day1			
		REPORTING		ANALYTICAL	
PARAMETER	RESULT	LIMIT	UNITS	METHOD	

Client Sample ID: CC6H8H-DAY 1

Sample #: 001 Date Sampled: 03/27/09 10:15 Date Received: 03/27/09 Matrix: WATER

Benzene

260 E 5.0

ug/L SW846 8260B

\_\_\_\_ The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

		Range Resources	Corporation			PAGE 4
Lot #:	C9C270155	Table	2		Date Reported:	4/16/09
		Project Number:	CC6H8H Day1			
			REPORTING		ANALYTICAL	
	PARAMETER	RESULT	LIMIT	UNITS	METHOD	

Client Sample ID: CC6H8H-DAY 1

Sample #: 001 Date Sampled: 03/27/09 10:15 Date Received: 03/27/09 Matrix: WATER

Toluene

270 E

5.0 ug/L SW846 8260B

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

AGE 21
4/16/09
_

Client Sample ID: CC6H8H-DAY 1

\_\_\_\_\_

Sample #: 001 Date Sampled: 03/27/09 10:15 Date Received: 03/27/09 Matrix: WATER

J Estimated result. Result is less than RL.

Inorganic Analysis				Reviewed
Acidity (Titrimetric)	ND	5.0	mg/L	SM20 2310B (4a)
2310B (4a)				
Alkalinity, Total	157	5.0	mg/L	SM18 2320 B
Biochemical Oxygen Demand	75.4	2.0	mg/L	SM18 5210 B
Chemical Oxygen Demand	2470	50.0	mg/L	MCAWW 410.4
Specific Conductance	124000	100	umhos/cm	MCAWW 120.1

-

Bromide Chloride	376 31500	5.0 1000	mg/L mg/L	MCAWW MCAWW	300.0A 300.0A
Nitrite as N	ND G	1.2	mg/L	MCAWW	300.0A
Nitrate as N	1.4	1.2	mg/L	MCAWW	300.0A
Sulfate	102	25.0	mg/L	MCAWW	300.0A
Nitrogen, Ammonia	60.3	5.0	mg/L	MCAWW	350.1

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot <b>#:</b> C9C270155	Range Resources Table Project Number:	Corporation 2 CC6H8H Day2	n Da 1	ate Reported:	PAGE 22 4/16/09
PARAMETER	BESULT	T.TMTT	UNTTS	METHOD	
Client Sample ID: CC6H8H-DAY	1				
Sample #: 001 Date Sampl	ed: 03/27/09 10:1	15 Date Red	ceived: 03/2	7/09 Matrix:	WATER
Nitrate-Nitrite					Reviewed
Nitrate-Nitrite	0.45	0.10	mg/L	MCAWW 353.2	
Phenolics	0.058	0.010	mg/L	SW846 9066	
pH Aqueous	6.4	0.10	No Units	SW846 9040	
Total Dissolved Solids SM 2540 C	61200	200	mg/L	SM18 2540 C	
Total Kjeldahl Nitrogen	77.7	3.0	mg/L	MCAWW 351.3	
Total Suspended Solids SM 2540 D	6.8	4.0	mg/L	SM20 2540D	
Turbidity (Nephelometric	) 14.8	2.0	NTU	MCAWW 180.1	

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

B Estimated result. Result is less than RL.

	Range Resources Corporation										
			Client Sam	ple ID: CC	5H8H-DAY 1						
			Gen	eral Chemi	stry						
	Lot-Sample #: C9C2	270155-0	01 Work O	rder #:	K88GC Matu	rix W2	ATER				
	PARAMETER	<u>RESULT</u>	<u></u> <u>RL</u>	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP <u>BATCH #</u>				
	Hardness, as CaCO3	12300	250 Dilution Facto	<b>mg/L</b> pr: 50 : 76.9	<b>SM20 2340C</b> Analysis Time: 00:00	<b>04/07/09</b> MS Run #	<b>9097181</b> : 9097117				
	Hexavalent Chromium	0.014	0.010 Dilution Facto MDL	mg/L pr: 1 : 0.0027	<b>SW846 7196A</b> Analysis Time: 08:45	03/28/09 MS Run #	9087016 :				
	Nitrate-Nitrite	0.45 J	0.10 Dilution Facto MDL	<b>mg/L</b> Dr: 1 : 0.010	MCAWW 353.2 Analysis Time: 12:34	04/08-04/09/09 MS Run #	9098156 : 9098095				
$\langle$	Oil & Grease (HEM)	ND	4.9 Dilution Facto MDL	mg/L pr: 0.98 : 0.48	CFR136A 1664A HEM Analysis Time: 09:35	04/13/09 MS Run #	9103106 '				
	Specific Conductance	124000	<b>J 100</b> Dilution Factor MDL	umhos/cm or: 100	MCAWW 120.1 Analysis Time: 00:00	03/31/09 MS Run #	9090047 : 9090029				
	Sulfate	102	25.0 Dilution Factor MDL	<b>mg/L</b> or: 25 : 0.79	MCAWW 300.0A Analysis Time: 00:00	03/27-03/28/09 MS Run #	9086253 :				



SM5540 C

04/07/09 14:00 SM4500-SO3 B 9040909

9034354



THE LEADER IN ENVIRONMENTAL TESTING

0.0641

ND

L1, M2

HTI

MBAS (mol.wt 320)

Sulfite

2960 Foster Creighton Road Nashville, TN 37204 \* 800-765-0980 \* Fax 615-726-3404

0.0500

5.00

1

1

03/29/09 08:56

Client	ent TestAmerica Pittsburgh 301 Alpha, RIDC Park Pittsburgh, PA 15238 n Chris Kovitch				Work Order: Project Name: Project Number: Received:	NSC2612 TA-Pennsylvania C9C270155 03/28/09 08:45			
			A	NALYTICA	L REPORT	Dilution	Analysis		
Analyte		Result	Flag	Units	MRL	Factor	Date/Time	Method	Batch
Sample General	ID: NSC2612-01 (CC6H8 Chemistry Parameters	H-Day 1 - Wate	er) Sample	d: 03/27/09	0 10:15				

mg/L

mg/L

Page 2 of 10

TestAmerica						11/206				
TestAmerica Pittsburgh 301 Alpha Drive: RIDC Park		SDG Number: C90	Receive	ed: 03/28 ed: 04/23	3/09-03/31/( 3/09 14:18					
Pittsburgh, PA 15238		Project: Range Re Project Number:								
		Analyti	cal Re	port						
Analyte	Sample Result	Data Qualifiers Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analys	Seq/ t Batch	Method	
Sample ID: RSC0987-01 (CC6H8H-DAY 1 - Water) Sampled: 03/27/09								Recvd: 03/28/09 09:10		
Alcohols by EPA Method 8015	modified									
-				¥.						
			i. I							
	1		ł		6	<u></u>		••••••		
Non-Halogenated Volatile Orga	nic <u>s</u>									
Ethylene Glycol	31	B 10	NA	mg/L	1.00	04/01/09 12:13	tch	9 <b>D0</b> 1008	8015	
Surr: 1,4-Butanediol (66-130%)	101 %					04/01/09 12:13	tch	9D01008	8015	

.

# Range Resources Corporation

# Client Sample ID: CC6H8H-DAY0 DUP

### Radiochemistry

Lab Sample ID:	C9C240291-00	1 <b>X</b>		Date Collect	ed: 03/	24/09 1430	
Work Order:	K83PA			Date Receive	d: 03/	24/09 1650	
Matrix:	WATER						
Parameter	Result	Qual	Total Uncert. (2 g+/-)	RL	කඩ්ය	Prep Date	Analysis Date
Gamma Cs-137 & H	its by EPA 901.	1 MOD	1	Ci/L	Batch #	9091406	Yld %
	-		-				
			12.				
			12				
				-			
Lead 210	80	U	110		170	04/01/09	04/22/09
Lead 212	-4	υ	17		19	04/01/09	04/22/09
Lead 214	-3	U	15		22	04/01/09	04/22/09
Radium (226)	-2	U	17		26	04/01/09	04/22/09
Radium 228	10	σ	20	50	36	04/01/09	04/22/09
Thorium 227	-9	U	32		54	04/01/09	04/22/09
Thorium 234	-30	U	130		180	04/01/09	04/22/09
Uranium 235	9	σ	30		52	04/01/09	04/22/09
Uranium 238	-30	U	130		180	04/01/09	04/22/09
				1			

NOTE (S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only. Mid results are greater than the MDC.

U Result is less than the sample detection limit.

# Range Resources Corporation

# Client Sample ID: CC6H8H-DAY0

#### Radiochemistry

Lab Sample ID: C9(	240291-001			Date Collected	1: 03/24/0	9 1430	
Work Order: K8: Matrix: War	3 PA TER			Date Received:	03/24/0	19 1650	
			Total Uncert.			Frep	Analysis Tato
Parameter	Result	Qual	(2 0+/-)	RI.	mdo	DECO	Dete
Gamma Cs-137 & Hits 1	by EPA 901.1 1	COD	pC	1/L	Batch # 905	1406	Yld %
x			•				
						1.1	. i
							4
		-					
Lead 210	140		120		210	04/01/09	04/22/09
Lead 214	10 6	1	10		17	04/01/09	04/22/09
DEGG XIA	0	U I	10		17	04/01/03	V4/24/03
Radium (226)	7	υ	12		20	04/01/09	04/22/09
Radium 228	6	υ	23	50	42	04/01/09	04/22/09
Thorium 227	3	U	54		93	04/01/09	04/22/09
Thorium 234	170	υ	130		180	04/01/09	04/22/09
Uranium 235	18	υ	28		48	04/01/09	04/22/09
Uranium 238	170	υ	130		180	04/01/09	04/22/09
			-				

NOTE (S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only. old results are greater than the MDC.

J Result is less than the sample detection limit.

# Range Resources Corporation

## Client Sample ID: SUPPLY WATER-CC6H8H

#### Radiochemistry

Lab Sample I Work Order: Matrix:	D: C9C240291-002 K83PC WATER			Date Colle Date Recei	cted: 03 ved: 03	/24/09 1230 /24/09 1650	
Parameter	Result	Qual	Total Uncert. (2 g+/-)	RL	mdo	Prep Date	Analysis Date
Gamma Cs-137 &	Hits by EPA 901.1	MOD		pCi/L	Batch	# 9091405	Yld %
							.4
	5.6	-					
Lead 210	-9	υ	76		140	04/01/09	04/22/09
Lead 212	12.9		9.3		13	04/01/09	04/22/09
Lead 214	13.3	υ	9.4		14	04/01/09	04/22/09
							-
Paddam (226)					~~	04/01/00	04/00/00
Radium (226)	0.8		11	50	22	04/01/09	04/22/09
Kadium 228	-1	U	21	50	38	04/01/09	04/22/09
• • •			circl <sup>11</sup> 227				de a traces, e serie
Thorium 227	-14	U	31		52	04/01/09	04/22/09
Thorium 234	-60	υ	140		150	04/01/09	04/22/09
Uranium 235	-20	υ	910		50	04/01/09	04/22/09
Uranium 238	-60	U	140		150	04/01/09	04/22/09

NOTE (S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only. old results are greater than the MDC.

J Result is less than the sample detection limit.



TestAmerica Laboratories, Inc.

# **ANALYTICAL REPORT**

PROJECT NO. CC6H8H-Day 5

Table 2

Lot #: C9D010248

Tony Gaudlip

Range Resources Corporation 380 Southpointe Blvd Suite 300 Canonsburg, PA 15317

TESTAMERICA LABORATORIES, INC.

Christina M. Kovitch Project Manager

April 24, 2009

301 Alpha Drive Pittsburgh, PA 15238 tel 412.963.7058 fax 412.963.2468 www.testamericainc.com



# **NELAC REPORTING:**

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying	Certificate #		Te dans de la
State/Program		Program Types	lestAmerica
NFESC	NA	NAVY	Х
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	х
Arkansas	(#88-0690)	WW	X
		HW	X
California – NELAC	04224CA	WW	x
		HW	X
Connecticut	(#PH-0688)	WW	x
[ ]		HW	X
Florida – NELAC	(#E871008-04)	ww	X
		HW	<u>X</u>
Illinois – NELAC	(#002064)	ww	X
		HW	X
Kansas – NELAC	(#E-10350)	ww	Х
		HW	<u> </u>
Louisiana – NELAC	(#04041)	ww	x
		HW	X
New Hampshire – NELAC	(#203008)	ww	x
New Jersey – NELAC	(PA-005)	ww	Х
1		HW	<u>X</u>
New York – NELAC	(#11182)	WW	X
		HW	<u>X</u>
North Carolina	(#434)	WW	X
		HW	<u>X</u>
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	<u>X</u>
South Carolina	(#89014002)	WW	X
		HW	<u>X</u>
Utah – NELAC	(STLP)	WW	X
		HW	<u> </u>
West Virginia	(#142)	WW	Х
	1	HW	<u>X</u>
Wisconsin	998027800	WW	X
		HW	Х

The codes utilized for program types are described below:

HW Hazardous Waste certification

WW Non-potable Water and/or Wastewater certification

X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The Information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 2/5/2009 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

# C9D010248

9

# TestAmerica chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

# COC ID: KOVITCHC16660-1124-3

TestAmerica, Inc.

**TestAmerica** Pittsburgh 301 Alpha Drive Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

15220

Project Information:	ct Information: Table 2			Quote #: 81989 Range Clier			Client:	URS Corporation		
Date:	Date: 4-1-09			arrier/Waybill	#.	<i>v</i>			Foster Plaza 4	
Project Manager:	Amanda Bayne				in Ide	2			Suite 300	
Phone: 412-503-4623									Pittsburgh	
									PA	
SAMF		DATE/TIME	MATRIX		BOTTLE TYP	E	#	PRESE	RVATIVE	AN

SAMPLE ID	DATE/TIME	MATRIX	BOTT	ILE TYPE	#	PRESERVATIVE	ANALYSIS
CC6H8H-Da 5	4-1-09/1415	WATER	250P	Plastic - 250mL	1	None	WATER 7196A, Dissolved CR6 (Filter in Lab)
0	, , , , , , , , , , , , , , , , , , , ,	WATER	1LAG	Glass - 1 Liter Amber	2	Hydrochloric Acid	WATER, 1664A HEM, Oil and Grease
		WATER	250P	Plastic - 250mL	1	Nitric Acid	WATER, 2340C, Total Hardness
		WATER	1LP	Plastic -1 Liter	1	None	WATER, 2540D, TSS, TDS, T-Alk, Acidity Spec. Cond
		WATER	1LP	Plastic -1 Liter	1	Sulfuric Acid	WATER, 365.2, Total phosphorus TKN N.Canton
		WATER	1LP	Plastic -1 Liter	1	Sulfuric Acid	WATER, 410.4, COD, Nitrate-Nitrite, NH3
		WATER	250P	Plastic - 250mL	0	None	WATER, 4500-CI G, Residual Chlorine, Fie
		WATER	250AP	Plastic - 250mL (8oz)	1	Sodium Hydroxide	WATER, 4500-CN E, Free Cyanide N.Canton
		WATER	1LP	Plastic -1 Liter	1	None	WATER, 5210 B, BOD N.Canton
		WATER	vv	Glass - 40mL Vial	3	None	WATER, 5310B, Dissolved Organic Carbon (Filter in
		WATER	W	Glass - 40mL Vial	3	Sulfuric Acid	WATER, 5310B, TOC
		WATER	1LP	Plastic -1 Liter	1	None	WATER, 5540C MBAS Sulfite (TA Nashville)
		WATER	500P	Plastic - 500mL (16oz)	1	Nitric Acid	WATER, 6010B Diss-Metals (Sp.List)+ Hg Filter in Lab
	)	WATER	500P	Plastic - 500mL (16oz)	1	Nitric Acid	WATER, 6010B T-Metats (Sp.List + Hg
		WATER	250P	Plastic - 250mL	1	None	WATER, 7196A, Hexavalent Chromium

	Special Requirements:			
	Possible Hazard Identification: Non-Hezard Flammable Skin Irritent Poi	ison B Unknown Samph	e Disposal Return to Client Disposal by Lab Archive for Mont	(A fee may apply if samples are retained longer than 3 months)
	Turn Around Time Required: Normal Rush Other	QC Level:	Project Specific Requirements (Specify)	1115
	Relinquished by MARS	Date Time: -09/1500	Received by fature frank	Date Time 1505
	Relinquished by 7	Date/Time: /	Received by:	Date/Time PLP
Ĥ	Relinquished by:	Date/Time.	Received by:	Date/Time 41110
ı	Comments:			
17				

# TestAmerica chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

COC ID: KOVITCHC16660-1124-3

# TestAmerica, Inc.

**TestAmerica Pittsburgh** 301 Alpha Drive Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

Project Information:	Table 2			Quote #:	8198	9		Client: URS C	orporation
Date:	4-1-0	9		Carrier/Waybill	#:			Foster	Plaza 4
Project Manager:	Amanda Bayne	+		-	10	Jale 7		Suite 3	00
Phone:	412-503-4623				]a			Pittsbu PA	rgh 15220
		T ·						Ţ	
SAMP	LE ID	DATE/TIME	MATRIX		BOTTLE	TYPE	#	PRESERVATIVE	ANALYSIS
CCGHGH	-Dys	4-1-09/14K	WATER	N	/	Glass - 40mL Vial	3	Hydrochloric Acid	WATER, 8015 DAI TA Buffalo
	0		WATER	N	/	Glass - 40mL Vial	3	None	WATER, 8015 Gylcols TA Buffalo
			WATER	N N	1	Glass - 40mL Vial	3	Hydrochloric Acid	WATER, 8260B, VOA (Sp. List)
	1		WATER	1LA	G	Glass - 1 Liter Amber	2	None	WATER, 8270C, BNA Sp. List
			WATER	250	P	Plastic - 250mL	1	Sodium Hydroxide	WATER, 9012A, Total Cyanide
			WATER	250	P	Plastic - 250mL	1	Zinc Acetate/NaOF	WATER, 9030B/9034, Total Sulfide
. <u> </u>			WATER	250A	G	Glass - 250mL (8oz)	2	Sulfuric Acid	WATER, 9066, Phenolics
			WATER	250	P	Plastic - 250ml.	0	None	WATER, Fecal Collform/ Total Collform Microbac
		,	WATER	11.1	2	Plastic -1 Liter	1	None	WATER, Osmotic Pressure MJ Reider
	1		WATER	11.6	2	Plastic -1 Liter	1	None	WATER, Sulfate, Nitrite, Nitrate, FI, CI, Br, Turb

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant	Poison B Unknown Same	Ve Disposal Return to Client Disposal by Lab Archive for Month	s (A fee may apply if samples an retained longer than 3 months)
urn Around Time Required: Normal Rush Other	QC Level:1 II III	Project Specific Requirements (Specify):	
Refinguished by: Champer CRS	0ate Time: -09/18a	Received by Pathick L'tauch	Date Timie 4/015
Relinquished by	Date/Time:	Received by	Date/Time
telinquished by	Date/Time.	Received by	Date/Time
Comments:			-l

F T 17 N

# Cross Creek Unit 6H & 8H

(37-125-22830-00) (37-125-22793-00)

40° 15' 46.1" N 80° 23' 17.8" W

40° 15' 46.1" N 80° 23' 17.6" W

Cross Creek Township Washington County

<u>Day 5</u> Fifth Day of Flowback 1 Apr 09 Sample ID # C9D010248

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user. 

	Range Resources	Corporatio	on		PAGE 1
Lot #: C9D010248	Table	2		Date Reported:	4/23/09
	Project Number:	CC6H8H-Day	5		
		REPORTIN	G	ANALYTICAL	
PARAMETER	RESULT	LIMIT	UNITS	METHOD	

#### Client Sample ID: CC6H8H-DAY 5

Sample #: 001 Date Sampled: 04/01/09 14:15 Date Received: 04/01/09 Matrix: WATER

Trivalent Chromium Trivalent Chromium

Tra	ce Inductively Coup	led Plasma	(ICP) Metal	S				Review
S	ilver		ND	50.0	ug/L	SW846	6010B	
A	Luminum		950 B	2000	ug/L	SW846	6010B	
A	rsenic		78.4 B	100	ug/L	SW846	6010B	
B	arium		77100	2000	ug/L	SW846	6010B	
B	eryllium		ND	40.0	ug/L	SW846	6010B	
B	oron		12200	2000	ug/L	SW846	6010B	
C	alcium		8880000	100000	ug/L	SW846	6010B	
C	admium		2.2 B	50.0	ug/L	SW846	6010B	
C	obalt		ND	1000	ug/L	SW846	6010B	
C	hromium		39.3 B	50.0	ug/L	SW846	6010B	
C	opper		116 B	250	ug/L	SW846	6010B	
I	ron		49600	1000	ug/L	SW846	6010B	
$\mathbf{L}$	ithium		55900	500	ug/L	SW846	6010B	
M	agnesium		881000	50000	ug/L	SW846	6010B	
M	anganese		4680	150	ug/L	SW846	6010B	
M	olybdenum		30.8 B	400	ug/L	SW846	6010B	
S	odium		23700000	500000	ug/L	SW846	6010B	
N	ickel		26.4 B	800	ug/L	SW846	6010B	
$\mathbf{L}$	ead		61.0	60.0	ug/L	SW846	6010B	
S	elenium		ND	50.0	ug/L	SW846	6010B	
	· .							
S	trontium		1350000	25000	ug/L	SW846	6010B	
Z	inc		106 B	200	ug/L	SW846	6010B	
S	ilver	Dissolved	ND	50.0	ug/L	SW846	6010B	
A	luminum	Dissolved	363 B	2000	ug/L	SW846	6010B	
A	rsenic	Dissolved	91.2 B	100	ug/L	SW846	6010B	
В	arium	Dissolved	55200	2000	ug/L	SW846	6010B	

(Continued on next page)

TestAmerica Laboratories, Inc.

Reviewed

red

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: C9D0102	Range	Resources C	Corporati	on	Date Rep	orted:	PAGE 2 4/23/09
	Project	Number: CC	6H8H-Dav	5	Date nop		.,,
			REPORTIN	IG	ANALYT	'ICAL	
PARAMETER		RESULT	LIMIT	UNITS	METHOD	)	
Client Sample	ID: CC6H8H-DAY 5						
Sample #: 00	Date Sampled: 04/	/01/09 14:15	Date R	eceived: 0	4/01/09 M	latrix:	WATER
Beryllium	Dissolved	ND	40.0	ug/L	SW846	6010B	
Boron	Dissolved	16900	2000	ug/L	SW846	6010B	
Calcium	Dissolved	12000000	100000	ug/L	SW846	6010B	
Cadmium	Dissolved	3.0 B	50.0	ug/L	SW846	6010B	
Cobalt	Dissolved	ND	1000	ug/L	SW846	6010B	
Chromium	Dissolved	12.1 B	50.0	ug/L	SW846	6010B	
Copper	Dissolved	ND	250	ug/L	SW846	6010B	
Iron	Dissolved	45700	1000	ug/L	SW846	6010B	
Potassium	Dissolved	336000	50000	ug/L	SW846	6010B	
Lithium	Dissolved	78800	500	ug/L	SW846	6010B	
Magnesium	Dissolved	1180000	50000	ug/L	SW846	6010B	
Manganese	Dissolved	6120	150	ug/L	SW846	6010B	
Molybdenu	n Dissolved	20.2 B	400	ug/L	SW846	6010B	
Sodium	Dissolved	31600000	500000	ug/L	SW846	6010B	
Nickel	Dissolved	ND	800	ug/L	SW846	6010B	
Lead	Dissolved	63.8	60.0	ug/L	SW846	6010B	
Selenium	Dissolved	ND	50.0	ug/L	SW846	6010B	
Strontium	Dissolved	1880000	25000	ug/L	SW846	6010B	
Zinc	Dissolved	84.6 B	200	ug/L	SW846	6010B	
Mercury in	Liquid Waste (Manual )	Cold-Vapor)					Reviewed
Mercury		ND	0.20	ug/L	SW846	7470A	
Mercury	Dissolved	ND	0.20	ug/L	SW846	7470A	

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

	Range Resource	s Corporation	n		PAGE 3
Lot #: C9D010248	Tabl	e 2		Date Reported:	4/23/09
	Project Number:	CC6H8H-Day S	5		
		REPORTING		ANALYTICAL	
PARAMETER	RESULT	LIMIT	UNITS	METHOD	

Client Sample ID: CC6H8H-DAY 5

.

Sample #: 001 Date Sampled: 04/01/09 14:15 Date Received: 04/01/09 Matrix: WATER

Benzene

880

50

ug/L SW846 8260B

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

		Range Resources	S Corporatio	on		PAGE	4
Lot #:	C9D010248	Table	e 2		Date Reported:	4/23/0	)9
		Project Number:	CC6H8H-Day	5			
			REPORTING	3	ANALYTICAL		
PA	ARAMETER	RESULT	LIMIT	UNITS	METHOD		

Client Sample ID: CC6H8H-DAY 5

Sample #: 001 Date Sampled: 04/01/09 14:15 Date Received: 04/01/09 Matrix: WATER

Toluene

920

50

ug/L

SW846 8260B

, ..... un next page)

.

.

# TESTAMERICA LABORATORIES, INC. PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

		Range	Resource	s (	Corporat	ion					PAGE	12
Lot #	: C9D010248		Tabl	e ź	2	-		Date	e Re	eported:	4/23/	09
	P	roject	: Number:	CC	C6H8H-Da	y 5				mraar		
			220112		REPORTI	NG		A	IALY	TICAL		
	PARAMETER		RESULT		LIMIT_		UNITS	<u>M</u>	THC			
c1 :	ant damale The COCHOH DAY	E										
CII	plo #: 001 Data Sample	d. 04	101/00 14	.10	Data	Pog	aitrad. 01	101/0	10	Matrix	MATED	
Sam	pre #: 001 Date Sample	a. 04,	/01/09 14	•	J Dale	REC	erved: 04,	01/0	)9	Mallix.	WAIER	
I	norganic Analysis										Reviewe	ed
	Acidity (Titrimetric)		ND		5.0		mg/L	SI	120	2310B (	4a)	
	2310B (4a)											
	Alkalinity, Total		54.0		5.0		mg/L	SI	118	2320 B		
	Biochemical Oxygen Demand	ł	64.8		2.0		mg/L	SI	118	5210 B		
	Chemical Oxygen Demand		5170		200		mg/L	M	CAW	¥ 410.4		
	Specific Conductance		233000		200		umhos/cm	M	CAW	₩ 120.1		
	HARDNESS, TOTAL		34000		2500		mg/L	SI	120	2340C		
											HEM	
	Bromide		826		20.0		mg/L	M	CAW	W 300.0A		
	Chloride		72000		1000		mg/L	M	CAW	W 300.0A		
					2. 5					- 1		
			(0 7 D		100							
	Sulfate		6U./ B		100		mg/L	M	CAW	W 300.0A		
	Nitrogen, Ammonia		113		0.10		mg/L	M	CAW	W 350.1		
	Phonolics		0.016		0.10		mg/L	rı S	WAN WAR	6 9066		
			6.4		0.010		No Units	S	W84	6 9040		
	pir Aqueous		0.1		0.10		NO UNICS	5	101	0 010		
	Total Dissolved Solids		116000		200		mg/L	S	M18	2540 C		
	SM 2540 C											
	Total Kjeldahl Nitrogen		55.9		3.0		mg/L	M	CAW	W 351.3		
	-											
	Total Suspended Solids		204		4.0		mg/L	S	M20	2540D		
	SM 2540 D											

			Range Rea	sources Co	rporation		
			Client Sam	ple ID: CC	6H8H-DAY 5		
			Gene	eral Chemi	stry		
	Lot-Sample #: C9D0	10248-0	01 Work O	rder #:	K9FH4 Mat	rix W	ATER
	PARAMETER	RESULT	<u>RL</u>	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
	Hardness,	34000	2500	mg/L	SM20 2340C	04/07/09	9097181
	as cacos		Dilution Facto	or: 500	Analysis Time: 00:00	MS Run #	: 9097117
			MDL	.: 769			
	Nitrate-Nitrite	0 34 J	0 10	mer /T.	MCAWW 353 2	04/08-04/09/09	9098156
	MICIACE MICILLO	0.31 0	Dilution Facto	or: 1	Analysis Time: 12:46	MS Run #	.: 9098095
			MDD	0.010			
				-			
/		$\sim$					
(	Oil & Grease (HEM)	20.4	4.9 Dilution Facto	<b>mg/L</b> or: 0.98	CFR136A 1664A HEM Analysis Time: 11:30	MS Run #	<b>9110560</b> .: 9110307
			MDL	: 0.48			
	Specific Conductance	233000	J 200 Dilution Facto	umhos/cm	MCAWW 120.1 Analysis Time: 00:00	04/07/09 MS Run #	9097046
			MDL				
	Sulfate	60.7 B	100	mg/L	MCAWW 300.0A	04/02-04/03/09	9092122
			Dilution Factor MDL	or: 100 : 3.1	Analysis Time: 00:00	MS Run #	.: 9092058
			10				



THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 \* 800-765-0980 \* Fax 615-726-3404

Analyt	e	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Attn	Chris Kovitch		A	NALYTICA	Received:	04/02/09 08:00		<u>.</u>	<u>, , , , , , , , , , , , , , , , , , , </u>
Chent	301 Alpha, RIDC Park Pittsburgh, PA 15238				Project Name: Project Number:	TA-Pennsylvania C9D010248	Sites		

General Chemistry Parameters							
MBAS (mol.wt 320)	ND	mg/L	0.0500	1	04/03/09 20:29	SM5540 C	9040387

Page 2 of 9

-				
EE T	A	m	STIC	10
	12			
-			1. 1	· · · ·

Received: 04/02/09

Reported: 04/24/09 13:44

11/212

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Pittsburgh 01 Alpha Drive; RIDC Park Pittsburgh, PA 15238 SDG Number: C9D010248

Project: Range Resources Corporation Project Number: C9D010248

		Analytic	al Re	port				
Analyte	Sample Result	Data Qualifiers Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Seq/ Analyst Batch	Method
Sample ID: RSD009	4-01 (CC6H8H-DAY	5 - Water)		Sam	pled: 04/0	1/09	Recvd: 04/02/0	9 08:50

# Non-Halogenated Volatile Organics

Ethylene Glycol	ND	D02	100	NA	mg/L	10.0	04/09/09 11:52	tch	9009050	8015	
Surr: 1,4-Butanediol (66-130%)	*	D02,Z3					04/09/09 11:52	tch	9D09050	8015	



TestAmerica Laboratories, Inc.

# ANALYTICAL REPORT

PROJECT NO. CC6H8H-Day14

Table 1

Lot #: C9D090299

Tony Gaudlip

Range Resources Corporation 380 Southpointe Blvd Suite 300 Canonsburg, PA 15317

TESTAMERICA LABORATORIES, INC.

Christina M. Kovitch Project Manager

April 29, 2009

301 Alpha Drive Pittsburgh, PA 15238 tel 412.963.7058 fax 412.963.2468 www.testamericainc.com



# **NELAC REPORTING:**

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying	Certificate #		
State/Program		Program Types	TestAmerica
NFESC	NA	NAVY	х
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#88-0690)	WW	X
		HW	Х
California – NELAC	04224CA	WW	X
		HW j	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E871008-04)	WW	X
		HW	Х
Illinois – NELAC	(#002064)	WW	Х
		HW	Χ
Kansas – NELAC	(#E-10350)	ww	Х
		HW	Χ
Louisiana – NELAC	(#04041)	WW	Х
l		HW	Χ
New Hampshire – NELAC	(#203008)	ww	X
			<del></del>
New Jersey – NELAC	(PA-005)	WW	X
· · · · · · · · · · · · · · · · · · ·		HW	<u>X</u>
New York – NELAC	(#11182)	WW	X
		HW	<u> </u>
North Carolina	(#434)	WW	X
		HW	<u> </u>
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	<u>X</u>
South Carolina	(#89014002)	WW	X
		HW	<u>X</u>
Utah – NELAC	(STLP)	WW	X
		HW	<u>X</u>
West Virginia	(#142)	WW	X
		HW	<u> </u>
Wisconsin	998027800	WW	X
1		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification

WW Non-potable Water and/or Wastewater certification

X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 2/5/2009 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

Chain of Custody Record Coc ID: KOVITCHC16972-1141-2 COC ID: KOVITCHC16972-1141-2

TestAmerica, Inc.

TestAmerica Pittsburgh 301 Alpha Drive Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

oration ıza 4	ay Drive	15220	07701	ANALYSIS	
Client: URS Corp Foster Pla	501 Holid Suite 300	Pittsburgt	PA		PRESERVANIVE
Quote #:	Carrier/Wayout #	Kang			BOTTLE TYPE
					MATRIX
	10-				
Table 1	4 .1	Amanda Baynes	412-849-5403		
Project Information:	Date:	Project Manager:	Phone:		

SAMPLE ID         DATE/TIME         MATRIX         BOTTLE TYPE         #         PRESERVATIVE         ANALYSIS           SAMPLE ID         DATE/TIME         MATRIX         BOTTLE TYPE         #         Press         MALYSIS           SAMPLE ID         U         U         T         IP         Plastic-1Lifer         1         None         WALLYSIS           VATER         VIE         1P         Plastic-1Lifer         1         None         WATER, TGN, TSS, T-MAL BCLFI           WATER         VATER         260P         Plastic-1Lifer         1         None         WATER, TGN, TSS, T-MAL BCLFI           WATER         TR         1/4         2         Plastic-260mL         2         Plastic-1Lifer         1         None           WATER         260P         Plastic-1Lifer         1         None         WATER, 2000A, Nitae, Mildo           WATER         260P         Plastic-250mL         1         None         WATER, 2000A, Nitae, Mildo           WATER         260P         Plastic-260mL         1         None         WATER, 2000A, Nitae, Mildo           WATER         10         VIE         260P         Plastic-260mL         1         None           WATER         VV         Class - 40mL	SAMPLE ID         DATETIME         MATRIX         BOTTLE TYPE         #         PRESERVATIVE         ANALYSIS           CCGHICAT-D-3UY         LAT-ACA         WATER         UP         Plastic-1Liter         1         None         WATER, TANABNIB)           CCGHICAT-D-3UY         LAT-ACA         WATER         250P         Plastic-1Liter         1         None         WITER, TPLPs NGARO           WATER         250P         Plastic-1Liter         1         None         WITER, TPLPs NGARO           WATER         250P         Plastic-250mL         1         Sulfunc/Add         WITER, TPLPs NGARO           WATER         250P         Plastic-1Liter         1         None         WITER, TPLPs NGARO           WATER         250P         Plastic-250mL         1         None         WITER, TPLPs NGARO           WATER         250P         Plastic-250mL         1         None         WITER, 200. Natron           WATER         250P         Plastic-250mL         1         None         WITER, 200. Natron           WATER         260P         Plastic-250mL         1         None         WITER, 200. Natron           WATER         10         None         WITER, 200. Natron         None         WITER, 200. Natron <th>hone: 4 14-04-0-0-00</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	hone: 4 14-04-0-0-00							
SAMPLE ID         DATEITIME         MATRX         BOTILE ITVE         *         res         resonance         MATRX, MBAS, Suffle (TA Neahhile)           CL6HSH-D314         U45-cd/(1445         WATER         1LP         Plastic-1.Lifer         1         None         WATER, TRM, 1-Phas, NCambn           WATER         1LP         Plastic-1.Lifer         1         Suffuic Acid         WATER, TRM, 1-Phas, NCambn           WATER         1LG         Gias: 1.Life Ambe         2         Plastic-250mL         1         Suffuic Acid         WATER, S43.46.01 and Greese           WATER         250P         Plastic-250mL         1         Nitric Acid         WATER, 2400. Total Hardress           WATER         250P         Plastic-250mL         1         None         WATER, 2400. Total Hardress           WATER         250P         Plastic-250mL         1         Nitric Acid         WATER, 2400. Total Hardress           WATER         250P         Plastic-250mL         1         None         WATER, 2400. Total Hardress           WATER         250P         Plastic-250mL         1         None         WATER, 2400. None Nitries. None Nitries. 2400. None Nitries. 2500. None Nitries. 2500. None No	SAMPLE ID     DATEATIME     MATRX     BOTILE ITVE     In     In     None     WATER, MBAS, Suffle (TA MBAS, Suffle (Suffle (TA MBAS, Suffle (TA MBAS, Suffle (Suffle (TA MBAS, Suffle (TA MBAS, Suffle (Suffle (Suffl						*	DESERVATIVE	ANALYSIS
CL bHbL D-J L     Light - D-J Luer     ILP     Plastic - Luer     I.     Image: - Luer	CLGHS.H-D-3.IY     UATER     1LP     Phasto-1Luer     1     Nome     WATER, TGN, T-Phas NCamtn       WATER     1LP     Pasto-1Luer     1     Suldute-Acid     WATER, TGN, T-Phas NCamtn       WATER     260P     Pasto-1Lier     1     Suldute-Acid     WATER, TGN, T-Phas NCamtn       WATER     260P     Pasto-201mL     1     Suldute-Acid     WATER, TGN, T-Phas NCamtn       WATER     260P     Pasto-201ML     1     Nitric-Acid     WATER, 2340C, TGaH Hardness       WATER     250P     Pasto-201Liter     1     Nitric-Acid     WATER, 2340C, TGaH Hardness       WATER     250P     Pasto-201Liter     1     Nitric-Acid     WATER, 2340C, TGaH Hardness       WATER     250P     Pasto-201Liter     1     Nitric-Acid     WATER, 2340C, TGaH Hardness       WATER     VW     250P     Pasto-201Liter     1     None     WATER, 2340C, TGaH Hardness       WATER     VW     Class - 40mL Vai     3     Nitric-Acid     WATER, 2340C, TGaH Hardness       WATER     VW     Class - 40mL Vai     3     None     WATER, 2340C, TGaH Hardness       WATER     VW     Class - 40mL Vai     3     None     WATER, 2340C, Tene NCamton       WATER     VW     Class - 40mL Vai     3     None     WATER	SAMPLE ID	DATE/TIME	MATRIX	BOIL		L   L   T	None	WATER, MBAS, Sulfite (TA Nashville)
CC6H6H-D3-14     Q.A.M.LTA3     WATER     1LP     Plastic - 1.lter     1     None     WATER, TGA, T-Phos NCarren       WATER     WATER     250P     Plastic - 250mL     1     Sulfuric Acid     WATER, TGA, T-Phos NCarren       WATER     WATER     250P     Plastic - 250mL     1     Nuic Acid     WATER, TGA, T-Phos NCarren       WATER     WATER     250P     Plastic - 250mL     1     Nuic Acid     WATER, 240C. Total Hadres       WATER     WATER     250P     Plastic - 250mL     1     Nuic Acid     WATER, 240C. Total Hadres       WATER     WATER     250P     Plastic - 250mL     1     None     WATER, 240C. Total Hadres       WATER     WATER     250P     Plastic - 250mL     1     None     WATER, 240C. Total Hadres       WATER     WATER     250P     Plastic - 250mL     1     None     WATER, 240C. Total Hadres       WATER     WATER     VV     Glass - 11iter Anto     None     WATER, 240C. Total Hadres       WATER     WATER     VV     Glass - 40mL Val     3     Sulfurc Acid     WATER, 240C. Total Hadres       WATER     WATER     VV     Glass - 40mL Val     3     Sulfurc Acid     WATER, 240C. Total     MATER, 240C. Total Hadres       WATER     VV     Glass - 40m	CC6HSH-D-JU     UATER     1LP     Plastic : 1 lier     1     None     WATER, TKI, 1:Plus N.Gamin       WATER     260P     Plastic : 260m,     1     Sulfunc/Add     WATER, TKI, 1:Plus N.Gamin       WATER     1/AG     Glass - 1 Liler Amber     2     Hydrochloric Add     WATER, 1:els, 1:els, 1:els, 1:els, 1:els, 3:els, 3:el			WATER	1LP	Plasuc - I Litel	-		
WATER     250P     Plastic - 250mL     1     Sulfuric Acid     WATER, 1964A HEM, 0il and Greese       WATER     1LdG     Glass - 1 Liter Amber     2     Hydrochloric Acid     WATER, 2340C, Tolal Hardness       WATER     250P     Plastic - 250mL     1     Nitric Acid     WATER, 2340C, Tolal Hardness       WATER     250P     Plastic - 250mL     1     Nitric Acid     WATER, 2340C, Tolal Hardness       WATER     250AP     Plastic - 250mL     1     None     WATER, 2340C, Tolal Hardness       WATER     250AP     Plastic - 250mL     1     None     WATER, 2340C, Tolal Hardness       WATER     250AP     Plastic - 250mL     1     None     WATER, 2340C, Tolal Hardness       WATER     10     Plastic - 250mL     1     None     WATER, 2340C, Tolal Hardness       WATER     10     Plastic - 250mL     1     None     WATER, 2310B, Disolved Organic Carbon       WATER     10     Plastic - 1 Liter     1     None     WATER, 2310B, Disolved Organic Carbon       WATER     10     Plastic - 200mL Vial     3     None     WATER, 2310B, Disolved Organic Carbon       WATER     10     VV     Class - 40mL Vial     3     None     WATER, 2310B, Disolved Organic Carbon       WATER     500P     Plastic - 200mL Vial	WATER     260P     Plaster 260mL     1     Suffure Add     WATER, TGM, T-Phos M Gadon       WATER     103G     Glass 1 Lifer Amber     2     Hydrochoric Add     WATER, 2340C, Tolal Hadness       WATER     250P     Plaster 250mL     1     Ninc Add     WATER, 2300C, Nilrale Nilrie, Suffete PH       WATER     250P     Plaster 250mL     1     Ninc Add     WATER, 2300C, Nilrale Nilrie, Suffete PH       WATER     250P     Plaster 250mL     1     None     WATER, 300.0A, Nilrale Nilrie, Suffete PH       WATER     250P     Plaster 250mL     1     None     WATER, 200C, N. Free Cyanion       WATER     250P     Plaster 250mL     1     None     WATER, 200C, N. Free Cyanion       WATER     250P     Plaster 10fer     1     None     WATER, 201B, Dissoved Organic Carbon       WATER     VV     Class 40mL/Val     3     None     WATER, 201B, Dissoved Organic Carbon       WATER     VV     Class 40mL/Val     3     Suffirth Acid     WATER, 201B, Dissoved Organic Carbon       WATER     VV     Class 40mL (reso:)     1     None     WATER, 201B, Dissoved Organic Carbon       WATER     VV     Class 40mL (reso:)     1     Ninc Acid     WATER, 201B, Dissoved Organic Carbon       WATER     VV     Class 40mL (reso:) <td>CC6H6H-D-14</td> <td>544120-42</td> <td>WATER</td> <td>1LP</td> <td>Plastic -1 Litter</td> <td></td> <td>None</td> <td>WATER, TDS, TSS, 1-AIK-I BI, CI, FI</td>	CC6H6H-D-14	544120-42	WATER	1LP	Plastic -1 Litter		None	WATER, TDS, TSS, 1-AIK-I BI, CI, FI
Water     User     LLdG     Glass - 1 Lifer Amber     2     Hydrochloric Acid     Water, 1e6A HEM, 01 and Greese       WATER     Xio     Yastic - 250mL     1     Nitric Acid     Water, 2340C, Total Hardness       WATER     Z50P     Plastic - 250mL     1     None     WATER, 2340C, Total Hardness       WATER     Z50P     Plastic - 250mL     1     None     WATER, 2340C, Total Hardness       WATER     Z50P     Plastic - 250mL     1     None     WATER, 2340C, Total Hardness       WATER     Z50P     Plastic - 250mL (802)     1     Sodium Hydroxide     WATER, 2300.Ch C, Free Cyanide NUTer N       WATER     VATER     Z50P     Plastic - 250mL (802)     1     None     WATER, 5310B, Dissolved Organic Canton       WATER     V     Class - 40mL Vial     3     Sufficire Acid     WATER, 5310B, Dissolved Organic Canton (Filter at V       WATER     S00P     Plastic - 500mL (16oz)     1     Nine Acid     WATER, 5310B, IOC       WATER     S00P     Plastic - 500mL (16oz)     1     Nine Acid     WATER, 7196A, JOIA Heavalent Criter (ineeds filted in VATER       WATER     S00P     Plastic - 500mL (16oz)     1     Nine Acid     WATER, 7196A, JOIA Heavalent Criter (ineeds filted in VATER       WATER     VV     S00P     Plastic - 500mL (16oz) <t< td=""><td>WATER         1LdG         Glass - 1 Liler Amber         2         Hydrochloric Acid         WATER, 156.44 HeW, Oil and Greese           WATER         VWATER         250P         Plastic. 250mL         1         Nithr Acid         WATER, 2300.5, Nitrate, Suffate, PH           WATER         250P         Plastic. 250mL         1         Sociam         WATER, 3300.5, Nitrate, Nitrate, Solide, PH           WATER         250P         Plastic. 250mL         1         Sociam         WATER, 3500.5, Nitrate, Nitrate, Solide, PH           WATER         250P         Plastic. 250mL (602)         1         Sociam Hydroide         WATER, 3500.5, Nitrate, Nitrate, Nitrate, Solide, Nitrate, Ni</td><td></td><td></td><td>WATER</td><td>250P</td><td>Plastic - 250mL</td><td>-</td><td>Sulfuric Acid</td><td>WATER, TKN, T-Phos N.Canton</td></t<>	WATER         1LdG         Glass - 1 Liler Amber         2         Hydrochloric Acid         WATER, 156.44 HeW, Oil and Greese           WATER         VWATER         250P         Plastic. 250mL         1         Nithr Acid         WATER, 2300.5, Nitrate, Suffate, PH           WATER         250P         Plastic. 250mL         1         Sociam         WATER, 3300.5, Nitrate, Nitrate, Solide, PH           WATER         250P         Plastic. 250mL         1         Sociam         WATER, 3500.5, Nitrate, Nitrate, Solide, PH           WATER         250P         Plastic. 250mL (602)         1         Sociam Hydroide         WATER, 3500.5, Nitrate, Nitrate, Nitrate, Solide, Nitrate, Ni			WATER	250P	Plastic - 250mL	-	Sulfuric Acid	WATER, TKN, T-Phos N.Canton
WATER     250P     Plastic - 250mL     1     Nitric Acid     WATER, 230C, Total Hardness       WATER     250P     Plastic - 250mL     1     None     WATER, 300.0A, Nitrate, Nitrite, Suffate, pH       WATER     250P     Plastic - 250mL     1     Sodium Hydroxide     WATER, 4500-CN E, Free Cyantide MCanton       WATER     250A     Plastic - 1 Liter     1     None     WATER, 4500-CN E, Free Cyantide MCanton       WATER     WATER     10     Plastic - 1 Liter     1     None     WATER, 5310B, DISSONEd Organic Carbon (Filter at WATER, 5310B, DISSONEd Organic Carbon (Filter at WATER, 5310B, LISSONEd Organic Carbon (Filter at State at Chronic Carbon (Filter at Carbon Carb	WATER     250P     Plastic - 250mL     1     Nitric Acid     WATER, 2300. Tool Hardness       WATER     250P     Plastic - 250mL     1     None     WATER, 300.0A, Nitrale, Nitrile, Sulfate, PH       WATER     250P     Plastic - 250mL     1     Sodium Hydroxide     WATER, 300.0A, Nitrale, Sulfate, PH       WATER     1     Wone     WATER, 250.0A, Nitrale, Sulfate, PH     MATER, 350.0A, Nitrale, Sulfate, PH       WATER     1     Plastic - 250mL (5oz)     1     Sodium Hydroxide     WATER, 351.0B, DOD N Canton       WATER     WATER     VV     Class - 40mL Vial     3     Sulfuic Acid     WATER, 5310B, DISsolved Organic Carbon (Filler al MATER, 5310B, DISsolved Organic Carbon (Filler al MATER, 5310B, DISsolved Organic Carbon (Filler al WATER, 510B, DISSOVED Organic Carbon (Filler al MATER, 510B, DISSOVED Organic Carbon (Filler al MATER, 500L, 160z)     1     Nitric Acid     WATER, 5310B, DISsolved Organic Carbon (Filler al MATER, 5310B, DISSOVED Organic Carbon (Filler al MATER, 510B, DISSOVED Organic Carbon (Filler al MATER, 510B, DISSOVED ORGANIC     1     Nitric Acid     WATER, 510B, DISSOVED ORGANIC     1 <td></td> <td></td> <td>WATER</td> <td>1LAG</td> <td>Glass = 1 Liter Amber</td> <td>2</td> <td>Hydrochloric Acid</td> <td>WATER, 1664A HEM, Oil and Grease</td>			WATER	1LAG	Glass = 1 Liter Amber	2	Hydrochloric Acid	WATER, 1664A HEM, Oil and Grease
WATER     250P     Plastic - 250mL     1     None     WATER, 300.0A, Nitrate. Nitrite. Suifate.pH       WATER     250AP     Plastic - 250mL (80:2)     1     Sodium Hydroxide     WATER, 3510 B, BOD. N.Canton       WATER     250AP     Plastic - 1 Liter     1     None     WATER, 5510 B, BOD. N.Canton       WATER     WATER     VV     Class - 0 cmL Vial     3     None     WATER, 5310 B, DD. N.Canton       WATER     WATER     VV     Class - 0 cmL Vial     3     Sulfuric Acid     WATER, 5310 B, DISsolved Organic Carbon (Filter at volume)       WATER     Sodium Hydroxide     WATER, 5310 B, DISsolved Organic Carbon (Filter at volume)     MATER, 5310 B, DISsolved Organic Carbon (Filter at volume)       WATER     Solit     VV     Class - 40mL Vial     3     Sulfuric Acid     WATER, 5310 B, DISsolved Organic Carbon (Filter at volume)       WATER     Solit     VV     Class - 40mL Vial     3     Sulfuric Acid     WATER, 5310 B, DISsolved Organic Carbon (Filter at volume)       WATER     Solit     VV     Class - 60mL (16c2)     1     Nitric Acid     WATER, 5310 B, DIS Visit)     (Filter in Lab       WATER     Solit     Plastic - 500mL (16c2)     1     Nitric Acid     WATER, 6010 B Diss Metals (Sp.List)     (Filter in Lab       WATER     VV     Class - 600mL (16c2)     1 <t< td=""><td>WATER     250P     Plastic - 250mL     1     None     WATER, 300.0A. Nitrate. Nitrite. Suifate, PH       WATER     250AP     Plastic - 250mL (8oz)     1     Sodium Hydroxide     WATER, 4500-CN E, Free Cyanide NCanton       WATER     WATER     250AP     Plastic - 250mL (8oz)     1     Sodium Hydroxide     WATER, 4500-CN E, Free Cyanide NCanton       WATER     WATER     VV     Class - 40mL Vial     3     None     WATER, 5310B, Dissoved Organic Cathon (Filter at VV       WATER     WATER     VV     Class - 40mL Vial     3     Sulfuric Acid     WATER, 5310B, Dissoved Organic Cathon (Filter at VV       WATER     WATER     VV     Class - 40mL Vial     3     Sulfuric Acid     WATER, 5310B, Dissoved Organic Cathon (Filter at VV)       WATER     SoOP     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B Dissoved Organic Cathon (Filter at VV)       WATER     SoOP     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6100B T-Mediats (Sp.List)       WATER     SoOP     Plastic - 250mL     1     Nitric Acid     WATER, 7196A, Dissoved Organic Cathon (Filter in Lab       WATER     SoOP     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B Dissoved Sp.List)       WATER     SoOP     Plastic - 250mL     1     None     WATER, 7196A, Diss Heravaleint</td><td></td><td></td><td>WATER</td><td>250P</td><td>Plastic - 250mL</td><td>-</td><td>Nitric Acid</td><td>WATER, 234DC, Total Hardness</td></t<>	WATER     250P     Plastic - 250mL     1     None     WATER, 300.0A. Nitrate. Nitrite. Suifate, PH       WATER     250AP     Plastic - 250mL (8oz)     1     Sodium Hydroxide     WATER, 4500-CN E, Free Cyanide NCanton       WATER     WATER     250AP     Plastic - 250mL (8oz)     1     Sodium Hydroxide     WATER, 4500-CN E, Free Cyanide NCanton       WATER     WATER     VV     Class - 40mL Vial     3     None     WATER, 5310B, Dissoved Organic Cathon (Filter at VV       WATER     WATER     VV     Class - 40mL Vial     3     Sulfuric Acid     WATER, 5310B, Dissoved Organic Cathon (Filter at VV       WATER     WATER     VV     Class - 40mL Vial     3     Sulfuric Acid     WATER, 5310B, Dissoved Organic Cathon (Filter at VV)       WATER     SoOP     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B Dissoved Organic Cathon (Filter at VV)       WATER     SoOP     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6100B T-Mediats (Sp.List)       WATER     SoOP     Plastic - 250mL     1     Nitric Acid     WATER, 7196A, Dissoved Organic Cathon (Filter in Lab       WATER     SoOP     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B Dissoved Sp.List)       WATER     SoOP     Plastic - 250mL     1     None     WATER, 7196A, Diss Heravaleint			WATER	250P	Plastic - 250mL	-	Nitric Acid	WATER, 234DC, Total Hardness
WATER     Z50AP     Plastic - Z50mL (802)     1     Sodium Hydroxide     WATER, 5310B, BOD NCanton       WATER     1ip     Plastic - I.Liter     1     None     WATER, 5310B, Dissolved Organic Carbon (Filter at WATER, 5310B, Dissolved Organic Carbon (Filter at WATER)       WATER     WATER     VV     Glass - 40mL Vial     3     None     WATER, 5310B, Dissolved Organic Carbon (Filter at WATER)       WATER     WATER     VV     Glass - 40mL Vial     3     Sulfurc Acid     WATER, 6310B, Dissolved Organic Carbon (Filter at WATER)       WATER     S00P     Plastic - 500mL (16bcz)     1     Nitric Acid     WATER, 6010B Diss-Metals (Sp.List)     (Filter in Lab       WATER     500P     Plastic - 500mL (16bcz)     1     Nitric Acid     WATER, 6010B T-Metals (Sp.List)     (Filter in Lab       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Diss Hexavalent Cr     (meeds filted in WATER, 7196A, Total Hexavalent Cr       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Total Hexavalent Cr       WATER     VV     Glass - 40mL Vial     3     Hydrochocic Acid     WATER, 7196A, Total Hexavalent Cr	WATER     Z50aP     Plastic - 250mL (802)     1     Sodium Hydroxide     WaTER, 4500-CN E, Free Cyanide N.Canton       WATER     VM     None     WATER, 5510B, BOD N.Canton       WATER     VV     Class - 40mL Vral     3     None     WATER, 5510B, DISsolved Organic Carbon (Filter at 1ab)       WATER     VV     Class - 40mL Vral     3     None     WATER, 5510B, DIssolved Organic Carbon (Filter at 1ab)       WATER     VV     Class - 40mL Vral     3     Sulfuric Acid     WATER, 5510B, DIssolved Organic Carbon (Filter at 1ab)       WATER     VV     Class - 40mL Vral     3     Sulfuric Acid     WATER, 510B, DIssolved Organic Carbon (Filter at 1ab)       WATER     VV     Class - 40mL Vral     3     Sulfuric Acid     WATER, 610B T-Metals (Sp.List)       WATER     500P     Plastic - 500mL (16oz)     1     Nitic Acid     WATER, 7196A, Tolat Hexavalent Cr. (needs filter in Lab)       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Tolat Hexavalent Cr. (needs filter in Lab)       WATER     Z50P     Plastic - 250mL     1     None     WATER, 7196A, Tolat Hexavalent Cr. (needs filter in Lab)       WATER     Z50P     Plastic - 250mL     1     None     WATER, 7196A, Tolat Hexavalent Cr. (needs filter in Lab)       WATER     WATER     WATER     VV     C			WATER	250P	Plastic - 250mL	-	None	WATER, 300.0A, Nitrate , Nitrite, Sulfate, pH
Matter     Matter     1p     Plastic -1 Liter     1     None     Watter, 5210 B, BOD N.Canton       WATER     VV     Class - 40mL Viai     3     None     WATER, 5310B, Dissolved Organic Carbon (Filter at ab)       WATER     WATER     VV     Class - 40mL Viai     3     Sulfuric Acid     WATER, 5310B, Dissolved Organic Carbon (Filter at ab)       WATER     WATER     S00P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B T-Metals (Sp.List))       WATER     S00P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B T-Metals (Sp.List))       WATER     S00P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B T-Metals (Sp.List))       WATER     S00P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 7196A, Diss Hexavlaient Cr (needs filted in WATER, 7196A, Diss Hexavlaient Cr (needs filted in WATER, 7196A, Diss Hexavlaient Cr (needs filted in WATER     VV     Class - 40mL Viai     3     Hydrochocic Acid     MATER, 7196A, Diss Hexavlaient Cr (needs filted in WATER, 7196A, Diss Hexavlaient Cr (needs filted in WATER, 7196A, Diss Hexavlaient Cr (needs filted in WATER, 7196A, Diss Hexavlaient Cr (needs filted in WATER     VV     Class - 40mL Viai     3     Hydrochocic Acid     MATER, 7196A, Total Hexavlaient Cr (needs filted in None	Matter         1p         Plastic -1 Liter         1         None         Water, 5210B, DOD N.Canton           Water         Water         Water         V         Glass - 40mL Vlai         3         None         Water, 5310B, Dissolved Organic Carbon (Filter at Jabb.           Water         Water         V         Glass - 40mL Vlai         3         Suffuric Acid         Water, 5310B, TOC           Water         Water         Solp         Plastic - 500mL (16oz)         1         Nitric Acid         Water, 6010B Diss-Metals (Sp.List)           Water         Solp         Plastic - 500mL (16oz)         1         Nitric Acid         Water, 6010B Diss-Metals (Sp.List)           Water         Solp         Plastic - 500mL (16oz)         1         Nitric Acid         Water, 6010B Diss-Metals (Sp.List)           Water         Solp         Plastic - 500mL (16oz)         1         Nitric Acid         Water, 7196A, Diss Hexavalent Crimedos filted in           Water         Solp         Plastic - 500mL (16oz)         1         None         Mater, 7196A, Diss Hexavalent Crimedos filted in           Water         Z50P         Plastic - 250mL         1         None         Water, 7196A, Diss Hexavalent Crimedos filted in           Water         Z50P         Plastic - 250mL         1         None			WATER	250AP	Plastic - 250mL (8oz)	-	sodium Hydroxide	WATER, 4500-CN E, Free Cyanide N.Canton
WATER     WATER     W     Glass - 40mL Vial     3     None     WATER, 5310B, TOC       WATER     WATER     W     Glass - 40mL Vial     3     Sulfuric Acid     WATER, 5310B, TOC       WATER     MATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B Diss-Metals (Sp.List)       WATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B Diss-Metals (Sp.List)       WATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B Diss-Metals (Sp.List)       WATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B Diss-Metals (Sp.List)       WATER     500P     Plastic - 500mL (16oz)     1     None     WATER, 7196A, Diss Hexavalent Cr. (needs filted in WATER       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Tolal Hexavalent Cr. (needs filted in WATER       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Tolal Hexavalent Chonhum	Water     Sold organic Carbon (Filter al ability addition additent additent addition additent addition additent addition additint			WATER	dit	Plastic -1 Liter	-	None	WATER, 5210 B, BOD N.Canton
WATER     WATER     WATER     WATER     WATER     WATER     Sulfuric Acid     WATER. 53108, TOC       WATER     WATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B Diss-Metals (Sp.List)     (Filter in Lab       WATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B T-Metals (Sp.List)     (Filter in Lab       WATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B T-Metals (Sp.List)       WATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 7196A, Diss Hexavalent Cr. (needs filted in       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Diss Hexavalent Cr. (needs filted in       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Diss Hexavalent Cr. (needs filted in       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Diss Hexavalent Cr. (needs filted in       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Diss Hexavalent Cr. (needs filted in       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Diss Hexavalent Cr. (needs filted in       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, DIS Hexavalent Ch. (needs filted in  <	WATER     WATER     W     Glass - 40mL Val     3     Sulfuric Acid     WATER, 5310B, TOC       WATER     WATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B Diss Metals (Sp.List)     (Filter in Lab       WATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B T-Metals (Sp.List)       WATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 7196A, Diss Hexavalent Cr. (needs filted in WATER, 7196A, Diss Hexavalent Cr. (needs filted in WATER, 7196A, Tolal Hexavalent Cr. (needs filted in			VVALUN MARTED		Glass - 40mL Vial	e	None	WATER, 5310B, Dissolved Organic Carbon (Filter at
WATER         VO         WATER         VO         Mater         SoloP         Plastic - 500mL (16oz)         1         Nitric Acid         WATER, 6010B Diss-Metals (Sp.List)         (Filter in Lab           WATER         500P         Plastic - 500mL (16oz)         1         Nitric Acid         WATER, 6010B T-Metals (Sp.List)         (Filter in Lab           WATER         500P         Plastic - 500mL (16oz)         1         Nitric Acid         WATER, 7196A, Diss Hexavalent Cr. (needs filted in           WATER         250P         Plastic - 250mL         1         None         WATER, 7196A, Diss Hexavalent Cr. (needs filted in           WATER         250P         Plastic - 250mL         1         None         WATER, 7196A, Diss Hexavalent Cr. (needs filted in           WATER         250P         Plastic - 250mL         1         None         WATER, 7196A, Total Hexavalent Cr. (needs filted in           WATER         0.00         Plastic - 250mL         1         None         WATER, 7196A, Diss Hexavalent Cr. (needs filted in           WATER         V         Glass - 40mL Vial         3         Hydrochloric Acid         WATER, 8015 DAI         TA Buffalo	WATER     WATER     WATER     WATER     WATER     WATER     Mitric Acid     WATER, 6010B Diss-Metals (Sp.List)     (Filter in Lab.       WATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B T-Metals (Sp.List)     (Filter in Lab.       WATER     500P     Plastic - 500mL (16oz)     1     Nitric Acid     WATER, 7196A, Diss Hexavalent Cr. (needs filted in WATER, 7196A, Diss Hexavalent Cr. (needs filted in WATER     VATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Diss Hexavalent Cr. (needs filted in WATER     NATER, 7196A, Total Hexavalent Cr. (needs filted in WATER     NATER, 7196A, Total Hexavalent Cr. (needs filted in WATER     NATER     7196A, Total Hexavalent Cr. (needs filted in WATER     NATER     NATER     7196A, Total Hexavalent Cr. (needs filted in WATER, 7196A, Total Hexavalent Chromium       WATER     VV     Class - 40mL Vial     3     Hydrochloric Acid     WATER, 8015 DAI     TA Buffalo			WALEN	141	Class - 40ml Vial	6	Sulfuric Acid	WATER, 5310B, TOC
WATER     JOUP     Flastic - 500mL (16oz)     1     Nitric Acid     WATER, 6010B T-Metals (Sp.List)       WATER     500P     Plastic - 500mL (16oz)     1     None     WATER, 7196A, Diss Hexavalent Cr. (needs filted in WATER       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Diss Hexavalent Cr. (needs filted in WATER       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Total Hexavalent Chromium WATER       WATER     VV     Glass - 40mL Vial     3     Hydrochloric Acid     WATER, 7196A, Total Hexavalent Chromium WATER	WATER     DUP     Frased-count (16oz)     1     Nitric Acid     WATER, 6010B T-Metals (Sp.List)       WATER     500P     Plastic - 500mL (16oz)     1     None     WATER, 7196A, Diss Hexavalent Cr. (needs filted in the control of the cont			WATER		Diactic - 500ml (1602)		Nitric Acid	WATER, 6010B Diss-Metals (Sp.List) (Filter in Lab)
WATER     DOF     MATER     DOF     MATER     Tobe     WATER, 7196A, Diss Hexavalent Cr. (needs filted in lability)       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Diss Hexavalent Cr. (needs filted in lability)       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Total Hexavalent Chromium       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Total Hexavalent Chromium       WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Total Hexavalent Chromium	WATER     DOF     Hastic - 250mL     1     None     WATER, 7196A, Diss Hexavalent Cr. (needs filted in the control of the co			WATER	LONG	Disetic - 500ml (1602)		Nitric Acid	WATER, 6010B T-Metals (Sp.List)
WATER     250P     Plastic - 250mL     1     None     WATER, 7196A, Total Hexavalent Chromium       WATER     250P     Plastic - 30mL Vial     3     Hydrochloric Acid     WATER, 719.5 DAI     TA Buffalo	WATER 250P Plastic - 250mL 1 None WATER 7196A, Tolal Hexavalent Chromium WATER VV Glass - 40mL Vial 3 Hydrochloric Acid WATER, 8015 DAI TA Buffalo			WATER	2000	Plastic - 250mL	-	None	WATER, 7196A, Diss Hexavalent Cr (needs fitted in
WATER VV Glass - 40mL Vial 3 Hydrochloric Acid WATER, 8015 DAI TA Buffalo	WATER VV Glass - 40mL Vial 3 Hydrochloric Acid WATER, 8015 DAI TA Buffalo			WATER	250P	Plastic - 250mL	-	None	WATER, 7196A, Total Hexavalent Chromium
				WATER	3	Glass - 40mL Vial	3	Hydrochloric Acid	WATER, 8015 DAI TA Buffalo
Source Requirements:							[		Acchive for Months (A jee illey apply a compression

Int Disposal by Lab Archive for Months retained fonger then 3 months) (Specify):	0/1/20/10/10/00/00 11.50	DaleTinhe:	Date/Ime:		
Poison B Unknown Semple Disposal: Return to Client	Received by:	AT-A/KS Received by	Date/1 nne.	DeterTime: Received by:	
bssible Hazard Identification Non-Hazard Flammable Skin Intlant	'um Around Time Required. Normal Rush Other	telinquished by: A A A A A A A A A A A A A A A A A A A	teinquished by:	takinquished by:	

# Attachment C

Page 1 of 3

(NOTE: this ORIGINAL Chain of Custody MUST accompany the samples from collection to receipt at the laboratory)

900 Printed On: 4/1/2009 07:17 PM

I Comments.

(1



THE LEADER IN ENVIRONMENTAL TESTING

COC ID: KOVITCHC16972-1141-2

# TestAmerica, Inc.

**TestAmerica Pittsburgh 301 Alpha Drive** Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

E i i i i										
Project Information:	Table 1	7							orporation	
Date:	4-5-1	-			Carrier/Waybill #.			Foster	Plaza 4	
Project Manager:	Amanda Baynes	L			11				liday Drive	
Phone:	412-849-5403				na	X		Pittsbu	rah	
	12-043-3403				<u> </u>	<u> </u>		PA	3	15220
SAM	PLE ID	DATE/TI	ME	MATRIX	BO	TTLE TYPE	#	PRESERVATIVE	ANAL	rsis
0C6454	-3x14	45-001	145	WATER	~~~	Glass - 40mL Vial	3	None	WATER, 8015 Gylcols TA	Buffalo
				WATER	1LAG	Glass - 1 Liter Amber	2	None	WATER, 8081A, Pesticide	es
				WATER	1LAG	Glass - 1 Liter Amber	2	None	WATER, 8082, PCBs (808	32)
				WATER	1LAG	Glass - 1 Liter Amber	2	None	WATER, 8141A, Organop	phos
		1		WATER	vv	Glass - 40mL Vial	3	Hydrochloric Acid	WATER, 8260B, VOA (Sp	. List)
				WATER	1LAG	Glass - 1 Liter Amber	2	None	WATER, 8270C, BNA Sp.	List
. 1		1		WATER	1GP	Plastic - 1 Gallon	1	Nitric Acid	WATER, 901.1 MOD, Gan	nma Cs-137 & Hits by
5		+		WATER	250P	Plastic - 250mL	1	Sodium Hydroxide	WATER, 9012A, Total Cya	anide
		1		WATER	250P	Plastic - 250mL	1	Zinc Acetate/NaOH	WATER, 90308/9034, Tota	al Sulfide
	<u></u>			WATER	40z	Glass - 4oz (125mL)	2	Sulfuric Acid	WATER, 9066, Phenolics	
		+		WATER	250P	Plastic - 250mL	1	Sulfuric Acid	WATER, Ammonia Nitroge	en, Nitrate-Nitrite,COD
		1		WATER	VVAG	Amber Glass - 40 mL Vial	3	None	WATER, Fatty Acid TA B	uffalo
				WATER	1LP	Plastic -1 Liter	1	None	WATER, Osmotic Pressure MJ Reider	
	·····	1		WATER	20z	Plastic - 2oz	1	None	WATER, Total Coliform M	icrobac
				WATER	500P	Plastic - 500mL (16oz)	1	None	WATER, TVA TA Waterto	wn
								· · · · · · · · · · · · · · · · · · ·		
Special Requirements:										
Possible Hazard Identification	Non-Hazard [	Flammable S	kin Irritant	Poison B	Unknown Semp	ble Disposal: Return to Client		Disposal by Lab	Archive for Months	(A fee may apply if samples are retained longer than 3 months)
Turn Around Time Required:	Normal	Rush 0	ther	QC Level:	1 11 11	Project Specific Requirements (Sp	ecify):			
Relinquished by:	www.	> ILAS		Degrima		Received by:	te	ine		Deterrine: 09 (157)
Relinquished by:		91.3		Date/Time.		Received by:				Date/Time:
Relinquished by:				Date/Tinte:		Received by:				Date/Time:
Comments:	*_ <del></del>	<del></del>					~	······		

OPrinted On: 4/1/2009 07:17 PM

H

20

## METHOD BLANK REPORT

#### General Chemistry

# Client Lot #...: C9D090299

#### Matrix....: WATER

		REPORTING	}			PREPARATION-	PREP
PARAMETER	RESULT	LIMIT	UNITS	METHOD		ANALYSIS DATE	BATCH #
Acidity		Work Order	#: LAEPEIAA	MB Lot-Sample	#:	C9D210000-061	
	ND	5.0	mg/L	SM20 2310B (4a)	t i	04/21/09	9111061
		Dilution Fact	or: 1				
		Analysis Time	: 00:00				
-							
Ammonia Nitrogen		Work Order	#: K97851AA	MB Lot-Sample	#:	C9D160000-409	
	0.030 B	0.10	mg/L	MCAWW 350.1		04/16-04/17/09	9106409
		Dilucion Fact	or: 1				
		Analysis lime	: 00:00				
Biochemical Oxygen		Work Order	#: K94L11AA	MB Lot-Sample	#:	A9D100000-381	
Demand (BOD)							
	ND	2.0	mg/L	SM18 5210 B		04/10-04/15/09	9100381
		Dilution Fact	or: 1				
		Analysis Time	00:00				
Ducuida		Marsha Oradara	# #00001111		ш		
Bromide	ND	work Order	#: K90DE1AA	MB LOT-Sample	#:	C9D100000-362	0100363
	ND	Dilution Fact		MCAWW SUU.UA		04/10/09	9100302
		Analysis Time					
Chemical Oxygen		Work Order	#: LAKKRIAA	MB Lot-Sample	#:	C9D230000-068	
Demand (COD)							
	ND	10.0	mg/L	MCAWW 410.4		04/23/09	9113068
		Dilution Fact	or: 1				
		Analysis Time	e: 15:51				
Chloride		Work Order	#• 1.8F7K188	MB Lot-Sample	#.	C9D210000-353	
CHICIIGO	ND	1.0	mer/1	MCAWW 300 DA	Π.	04/21/09	9111353
		Dilution Fact	or: 1			,,,	
		Analysis Time	: 00:00				
		-					

### METHOD BLANK REPORT

#### General Chemistry

Client Lot #: C			Matri	rix WATER			
PARAMETER	RESULT	REPORTING	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #	
Hardness, as CaCO3	ND	Work Order = 5.0 Dilution Facto Analysis Time.	#: LADINIAA mg/L pr: 1 .: 00:00	MB Lot-Sample #: SM20 2340C	C9D200000-319 04/20/09	9110319	
Nitrate-Nitrite	0.024 B	Work Order 0.10 Dilution Facto Analysis Time.	<pre>#: LARD41AA mg/L pr: 1: 12:49</pre>	MB Lot-Sample #: MCAWW 353.2	C9D250000-018 <b>04/25/09</b>	9115018	
Oil & Grease (HEM)	ND	Work Order 5.0 Dilution Facto Analysis Time	#: LAWJF1AA mg/L or: 1 : 12:00	MB Lot-Sample #: CFR136A 1664A HEM	C9D280000-174 04/27-04/28/09	9118174	
Specific Conductan	ce 0.45 B	Work Order 1.0 Dilution Facto Analysis Time	#: K9WR91AA umhos/cm or: 1 : 00:00	MB Lot-Sample #: MCAWW 120.1	C9D100000-016 <b>04/10/09</b>	9100016	
Sulfate	0.14 B	Work Order 1.0 Dilution Facto Analysis Time	#: K90C01AA mg/L or: 1 : 00:00	MB Lot-Sample #: MCAWW 300.0A	C9D100000-358 <b>04/10/09</b>	9100358	

#### METHOD BLANK REPORT

#### General Chemistry

### Client Lot #...: C9D090299

Matrix....: WATER

PARAMETER	RESULT	REPORTING	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Dissolved	Hexavalent	Work Order	#: K9WX91AA	MB Lot-Sample #:	C9D100000-115	
Chromium	l					
	ND	0.010	mg/L	SW846 7196A	04/10/09	9100115
		Dilution Fact	or: 1			
		Analysis Time	: 11:03			

#### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.



T		ODO N. when OOD			**************************************					
301 Alpha Drive; RIDC Park		SDG NUMBER: C9DU90299						Reported: 04/10/09 Reported: 04/27/09 15:		
Pittsburgh, PA 15238 Project: Range Resources Corporation Project Number: C9D090299										
		Analytic	al Re	port						
Analyte	Sample Result	Data Qualifiers Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst E	Seq/ Batch	Method	
Sample ID: RSD0478-01 (CC	6H8H-DAY	14 - Water)		Sam	pled: 04/0	09/09	Recvd: 0	4/10/0	9 09:10	

## Non-Halogenated Volatile Organics

Ethylene Glycol	ND	D02, Z3	100	NA	mg/L	10.0	04/15/09 11:56	tch	9D15033	8015
Surr: 1,4-Butanediol (66-130%)	•	D02, Z3					04/15/09 11:56	tch	9D15033	8015

.



THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 \* 800-765-0980 \* Fax 515-726-3404

			ANA	LYTICAL REPORT					
Aun	Chris Kövitch			Received:	04/10/09 08:10		 		
Å 14-11	Pittsburgh, PA 15238			Project Num	ber: C9D090299				
	ent TestAmerica Pittsburgh 301 Alpha, RIDC Park Bitchurch, PA 1532		FestAmerica Pittsburgh 301 Alpha, RIDC Park			Project Nam	e: TA-Pennsylvania	Sites	

Sample ID: NSD0891-01 (CC6H8H	-DAY 14 -	Water) Sam	pled: 04/09/09 14	:45				
General Chemistry Parameters								
MBAS (mol.wt 320)	0.465	H2	mg/L	0.0500	1	04/15/09 09:00	SM5540 C	9042254

Page 2 of 10

# Range Resources Corporation

# Client Sample ID: CC6H8H-DAY 14

### TOTAL Metals

	Lot-Sample #	Matrix	WATER				
	Date Sampled:	: 04/09/09	Date R	eceived:	04/09/09		
			REPORTING	ł		PREPARATION-	WORK
	PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
	Prep Batch #	9103098					
	Silver	ND	50.0	ug/L	SW846 6010B	04/13-04/21/09	K9WFK1CG
			Dilution Facto	or: 10	Analysis Time: 13:28	Analyst ID	: 022952
	,		Instrument ID	: 6500ICP	MS Run #:	MDL	: 5.4
/	Aluminum	1450 B	2000	ug/L	SW846 6010B	04/13-04/21/09	K9WFK1CH
0			Dilution Facto	or: 10	Analysis Time: 13:28	Analyst ID	: 022952
	/		Instrument ID	: 6500ICP	MS Run #	MDL	.: 162
$\checkmark$	Arsenic	82.8 B	100	ug/L	SW846 6010B	04/13-04/21/09	K9WFK1CJ
	,		Dilution Fact	or: 10	Analysis Time: 13:28	Analyst ID	: 022952
/			Instrument ID	: 6500ICP	MS Run #:	MDL	.: 19.5
J	Barium	83100	2000	ug/L	SW846 6010B	04/13-04/21/09	K9WFK1CK
			Dilution Fact	or: 10	Analysis Time: 13:28	Analyst ID	.: 022952
			Instrument ID	: 6500ICP	MS Run #:	MDL	.: 2.6
	Beryllium	ND	40.0	ug/L	SW846 6010B	04/13-04/21/09	K9WFK1CL
	1		Dilution Fact	or: 10	Analysis Time: 13:28	Analyst ID	.: 022952
/			Instrument ID	: 6500ICP	MS Run #:	MDL	.: 1.8
$\checkmark$	Boron	14700 J	2000	ug/L	SW846 6010B	04/13-04/21/09	K9WFK1CM
			Dilution Fact	or: 10	Analysis Time: 13:28	Analyst ID	.: 022952
	/		Instrument ID	: 65001CP	MS Run #:	MDL	.: 12.7
$\checkmark$	Calcium	14000000	250000	ug/L	SW846 6010B	04/13-04/21/09	K9WFR1CN
			Dilution Fact	or: 50	Analysis Time: 13:47	Analyst ID	.: 022952
	/		Instrument II	: 6500ICP	MS Run #:	MDL	.: 884
	Cadmium	4.7 B	50.0	ug/L	SW846 6010B	04/13-04/21/09	K9WFK1CP
			Dilution Fact	or: 10	Analysis Time: 13:28	Analyst ID	.: 022952
			Instrument II	): 6500ICP	MS Run #:	MDL	.: 2.1
	Cobalt	ND	2500	ug/L	SW846 6010B	04/13-04/21/09	K9WFK1CQ
			Dilution Fact	or: 50	Analysis Time: 13:47	Analyst ID	.: 022952
			Instrument II	0: 6500ICP	MS Run #:	MDL	.: 22.5
# Range Resources Corporation

## Client Sample ID: CC6H8H-DAY 14

#### TOTAL Metals

## Lot-Sample #...: C9D090299-001

Matrix..... WATER

	/		REPORTING				PREPARATION-	WORK
	PARAMETER	RESULT	LIMIT	UNITS	METHOI	<b>)</b>	ANALYSIS DATE	ORDER #
1	Chromium	32.8 B	50.0	ug/L	SW846	6010B	04/13-04/21/09	K9WFK1CR
	,		Dilution Facto	or: 10	Analysis	Time: 13:28	Analyst ID	: 022952
/			Instrument ID.	.: 6500ICP	MS Run #		MDL	: 10.7
/								
· (	Copper	73.3 B	250	ug/L	SW846	6010B	04/13-04/21/09	K9WFK1CT
			Dilution Facto	or: 10	Analysis	Time: 13:28	Analyst ID	: 022952
/			Instrument ID.	: 6500ICP	MS Run #		MDL	: 45.7
1	-			1-				
	lron	75200	1000	ug/L	SW846	2010B	04/13-04/21/09	K9WFK1CO
	2		Dilution Facto	br: 10	Analysis	Time: 13:28	Analyst 10	: 022952
/			instrument 1D.	: 55001CP	MS Run #		MDL	: 84.0
1								
/								
1	Lithium	86000	500	ug/L	SW846	6010B	04/13-04/21/09	K9WFK1CW
			Dilution Facto	or: 10	Analysis	Time: 13:28	Analyst ID	: 022952
	/		Instrument ID	: 6500ICP	MS Run #		MDL	: 15.0
/								
VI	Magnesium	1380000	50000	ug/L	SW846	6010B	04/13-04/21/09	K9WFK1CX
	,		Dilution Facto	or: 10	Analysis	Time: 13:28	Analyst ID	: 022952
			Instrument ID	: 6500ICP	MS Run #	••••	MDL	: 218
1.	<b>V</b>	2222	150		(15046	C010D	DA / 12 DA / 22 / 00	WOWDER CO
	Manganese	7320	15U Dilubian Raab		SW040	GUIUB	04/13-04/21/09	KSWFKICU
	/		Dilution Facto	OF: IU	Analysis	Time: 13:28	Analyst ID	.: 022952
			Institument 1D	: 65001CP	MS Run #		Mi	.: 5.7
V	Molvbdenum	ND	400	ug/L	SW846	6010B	04/13-04/21/09	K9WFK1C1
			Dilution Fact	or: 10	Analysis	Time: 13:28	Analyst ID	: 022952
			Instrument ID	: 65001CP	MS Run #		MDL	.: 8.5
1								
1	Sodium	34000000	500000	ug/L	SW846	6010B	04/13-04/21/09	K9WFK1C2
			Dilution Fact	or: 100	Analysis	Time: 13:33	Analyst ID	.: 022952
	/		Instrument ID	: 6500ICP	MS Run #		MDL	.: 14500
/								
	Nickel	ND	2000	ug/L	SW846	6010B	04/13-04/21/09	K9WFK1C3
			Dilution Fact	or: 50	Analysis	3 Time: 13:47	Analyst ID	.: 022952
			Instrument ID	: 6500ICP	MS Run #	4	MDL	.: 39.0

## Range Resources Corporation

## Client Sample ID: CC6H8H-DAY 14

#### TOTAL Metals

#### Lot-Sample #...: C9D090299-001

#### Matrix.....: WATER

		REPORTIN	G		PREPAR	ATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYS	IS DATE	ORDER #
Lead	106 B	150	ug/L	SW846 6010B	04/13-	04/21/09	K9WFK1C4
		Dilution Fact	tor: 50	Analysis Time: 13:	47 Anal	yst ID	: 022952
		Instrument I	D: 6500ICP	MS Run #	MDL.		: 85.5
V-							ι.,
,							
Selenium	ND	50.0	ug/L	SW846 6010B	04/13-	04/21/09	K9WFK1C6
		Dilution Fac	tor: 10	Analysis Time: 13	28 Anal	yst ID	: 022952
/		Instrument I	D: 65001CP	MS Run #:	MDL.		: 29.0
$\checkmark$							
,							
Strontium	2100000	25000	ug/L	SW846 6010B	04/13-	04/21/09	K9WFK1C8
		Dilution Fac	tor: 500	Analysis Time: 13	37 Anal	yst ID	: 022952
1		Instrument I	D: 6500ICP	MS Run #:	MDL.		: 60.0
$\checkmark$							
7							
		-					
/							
J Zinc	123 B	200	ug/L	SW846 6010B	04/13	-04/21/09	R9WFK1DC
		Dilution Fac	tor: 10	Analysis Time: 13	28 Anal	yst ID	: 022952
		Instrument I	D: 6500ICP	MS Run #:	MDL.		: 30.6
/							
/ Prep Batch #	.: 9103184					·	
V Mercury	ND	0.20	ug/L	SW846 7470A	04/13,	/09	K9WFK1EC
		Dilution Fac	tor: 1	Analysis Time: 14	:16 Anal	yst ID	: 403938
		Instrument I	D: HGHYDRA	MS Run # 91	03107 MDL.	•••••	: 0.038

## Range Resources Corporation

4

Client Sample ID: CC6H8H-DAY 14

# DISSOLVED Metals

	Lot-Sample #	- C9D090299-0	001				Matrix:	WATER
	Date Sampled:	: 04/09/09	Date Re	eceived:	04/09/09			
			REPORTING				PREPARATION-	WORK
	PARAMETER	RESULT	LIMIT	UNITS	METHOD		ANALYSIS DATE	ORDER #
	Drom Datah #	0103003						
./	Silver	5 6 B	50 0	ua/I.	SW846 60	10B	04/13-04/22/09	ROWFRIDE
v	DIIVEL	5.0 5	Dilution Facto	<b>ug/u</b>	Analysis Tim	16.28	Analyst TD	. 022952
	1		Instrument ID	· 6500TCP	MS Pun #		MDI.	. 5 4
	/		Inperanente ip.			••••		
J	Aluminum	395 B	2000	uq/L	SW846 60	10B	04/13-04/22/09	K9WFK1DF
			Dilution Facto	r: 10	Analysis Tim	ne: 16:28	Analyst ID	: 022952
	/		Instrument ID.	.: 65001CP	MS Run #		MDL	: 162
0	Arsenic	63.2 B	100	ug/L	SW846 60	10B	04/13-04/22/09	K9WFK1DG
			Dilution Facto	r: 10	Analysis Tim	ne: 16:28	Analyst ID	: 022952
	1		Instrument ID.	.: 6500ICP	MS Run #	1	MDL	: 19.5
/	/							
$\checkmark$	Barium	75700	2000	ug/L	SW846 60	10B	04/13-04/22/09	K9WFK1DH
	1		Dilution Facto	pr: 10	Analysis Tin	Me: 16:28	Analyst ID	: 022952
	/		Instrument ID.	.: 6500ICP	MS Run #	1	MDL	: 2.6
				-				
	Beryllium	ND	40.0	ug/L	SW846 60	108	04/13-04/22/09	K9WFK1DJ
	1		Dilution Facto	or: 10	Analysis Tin	ne: 16:28	Analyst ID	: 022952
	/		Instrument 1D.	.: 65001CP	MS Run #	:	MDL	.: 1.8
1	Boron	15400 J	2000	ng/L	51846 60	108	04/13-04/22/09	ROWFRIDE
	20101	19100 0	Dilution Facto	10	Analysis Tin	16.28	Analyst TD	· 022952
	1		Instrument ID.	.: 6500TCP	MS Run #		MDI	12.7
5	Calcium	14300000	250000	uq/L	SW846 60	10B	04/13-04/22/09	K9WFK1DL
			Dilution Facto	or: 50	Analysis Tir	ne: 16:33	Analyst ID	: 022952
	/		Instrument ID.	.: 6500ICP	MS Run #	:	MDL	.: 884
1								
-	Cadmium	3.8 B	50.0	ug/L	SW846 60	10B	04/13-04/22/09	K9WFK1DM
			Dilution Facto	or: 10	Analysis Tim	me: 16:28	Analyst ID	.: 022952
	/		Instrument ID.	: 6500ICP	MS Run #	:	MDL	.: 2.1
	Cobalt	ND	2500	ug/L	SW846 60	10B	04/13-04/22/09	K9WFK1DN
			Dilution Facto	or: 50	Analysis Ti	me: 16:33	Analyst ID	.: 022952
			Instrument ID.	: 6500ICP	MS Run #	:	MDL	.: 22.5

#### Range Resources Corporation

#### Client Sample ID: CC6H8H-DAY 14

#### DISSOLVED Metals

#### Lot-Sample #...: C9D090299-001

#### Matrix....: WATER

REPORTING PREPARATION-WORK PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER # Chromium 11.6 B 50.0 SW846 6010B 04/13-04/22/09 K9WFK1DP ug/L Dilution Factor: 10 Analysis Time..: 16:28 Analyst ID....: 022952 Instrument ID..: 6500ICP MDL..... 10.7 MS Run #....: Copper ND 250 ug/L SW846 6010B 04/13-04/22/09 K9WFK1DO Dilution Factor: 10 Analysis Time..: 16:28 Analyst ID....: 022952 Instrument ID..: 6500ICP MS Run #.....: MDL..... 45.7 47300 1000 ug/L SW846 6010B 04/13-04/22/09 K9WFK1DR Dilution Factor: 10 Analyst ID....: 022952 Analysis Time..: 16:28 Instrument ID. .: 6500ICP MS Run #..... MDL....: 84.0 94500 500 uq/L SW846 6010B 04/13-04/22/09 K9WFK1DU Dilution Factor: 10 Analysis Time..: 16:28 Analyst ID....: 022952 Instrument ID..: 6500ICP MS Run #.....: MDL....: 15.0 aquesium 1370000 50000 ug/L SW846 6010B 04/13-04/22/09 K9WFK1DV Analyst ID....: 022952 Dilution Factor: 10 Analysis Time..: 16:28 Instrument ID..: 6500ICP MS Run #..... MDL..... 218 04/13-04/23/09 K9WFK1DW anganese 7740 150 ug/L SW846 6010B Analysis Time..: 09:36 Dilution Factor: 10 Analyst ID....: 022952 MS Run #....: Instrument ID..: 6500ICP MDL..... 5.7 lvbdenum ND 400 ug/L SW846 6010B 04/13-04/22/09 K9WFK1DX Dilution Factor: 10 Analysis Time..: 16:28 Analyst ID....: 022952 Instrument ID..: 6500ICP MS Run #....: MDL..... 8.5 04/13-04/22/09 K9WFK1D0 Sodium 36400000 500000 ug/L SW846 6010B Dilution Factor: 100 Analysis Time..: 16:38 Analyst ID....: 022952 MDL..... 14500 Instrument ID..: 6500ICP MS Run #....: ND 2000 ug/L SW846 6010B . 04/13-04/22/09 K9WFK1D1 Analysis Time..: 16:33 Analyst ID....: 022952 Dilution Factor: 50 Instrument ID..: 6500ICP MS Run #....: MDL....: 39.0

## Range Resources Corporation

## Client Sample ID: CC6H8H-DAY 14

#### DISSOLVED Metals

#### Lot-Sample #...: C9D090299-001

#### Matrix....: WATER

		REPORTING		PREPARATION- WORK
PARAMETER	R RESULT	LIMIT UNITS	METHOD	ANALYSIS DATE ORDER #
✓ Lead	ND	150 ug/L	SW846 6010B	04/13-04/22/09 K9WFK1D2
		Dilution Factor: 50	Analysis Time; 16:33	Analyst ID: 022952
./		Instrument ID: 6500ICP	MS Run #:	MDL 85.5
/			*	
√ Selenium	ND	50.0 ug/L	SW846 6010B	04/13-04/22/09 K9WFK1D4
		Dilution Factor: 10	Analysis Time: 16:28	Analyst ID: 022952
		Instrument ID: 6500ICP	MS Run #:	MDL 29.0
/				
Strontiu	m 2330000	25000 ug/L	SW846 6010B	04/13-04/22/09 K9WFK1D6
,		Dilution Factor: 500	Analysis Time: 16:42	Analyst ID: 022952
)· ·		Instrument ID: 65001CP	MS Run #:	MDL 60.0
<u> </u>		-		
Zinc	92.8 B	200 ug/L	SW846 6010B	04/13-04/22/09 K9WFK1D9
		Dilution Factor: 10	Analysis Time: 16:28	Analyst ID: 022952
		Instrument ID: 6500ICP	MS Run #:	MDL 30.6
V Prep Bat	VIII # I JIVJIJJ	0.20 100/1.	SW846 74705	04/15/09 KOWEKIED
mercury		Dilution Factor: 1	Analysis Time , 15.16	Analyst ID · 402028
		Instrument ID: HGHYDRA	MS Run #: 91050	60 MDL: 0.038

## NOTE (S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

#### METHOD BLANK REPORT

#### TOTAL Metals

	<b>C</b> 1	ient	Lot	#.		C9D090293	9
--	------------	------	-----	----	--	-----------	---

Matrix..... WATER

		REPORTI	NG		PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
MB Lot-Sample	#: C9D130000	0-098 Prep	Batch #:	9103098		
Aluminum	ND	200	ug/L	SW846 6010B	04/13-04/21/09	K91QH1AA
		Dilution Fa	ctor: 1			
		Analysis Ti	me: 11:20	Analyst 10: 22952	Instrument ID.	: 650
Arsenic	ND	10.0	ug/L	SW846 6010B	04/13-04/21/09	K91QH1AD
		Dilution Fa	ctor: 1			
		Analysis Ti	me: 11:20	Analyst ID: 22952	Instrument ID.	: 650
Barium	ND	200	ug/L	SW846 6010B	04/13-04/21/09	K91QH1AE
		Dilution Fa	actor: 1			
		Analysis T	ime: 11:20	Analyst ID: 22952	Instrument ID.	.: 650
Beryllium	ND	4.0	ug/L	SW846 6010B	04/13-04/21/09	K91QH1AF
		Dilution Fa	actor: 1			
۲		Analysis T:	ime: 11:20	Analyst ID: 22952	Instrument ID.	.: 650
Boron	1.3 B	200	ug/L	SW846 6010B	04/13-04/21/09	K91QH1AG
		Dilution Fa	actor: 1			
		Analysis T	ime: 11:20	Analyst ID: 22952	Instrument ID.	.: 650
Cadmium	ND	5.0	ug/L	SW846 6010B	04/13-04/21/09	K91QH1AH
		Dilution Fa	actor: 1			
		Analysis T	ime: 11:20	Analyst ID: 22952	Instrument ID.	.: 650
Calcium	ND	5000	ug/L	SW846 6010B	04/13-04/21/09	K91QH1AJ
		Dilution F	actor: 1			
		Analysis T	ime: 11:20	Analyst ID: 22952	Instrument ID.	.: 650
Chromium	ND	5.0	ug/L	SW846 6010B	04/13-04/21/09	K91QH1A6
		Dilution F	actor: 1			
		Analysis T	ime: 11:20	Analyst ID: 22952	Instrument ID.	.: 650
Cobalt	ND	50.0	ug/L	SW846 6010B	04/13-04/21/09	K91QH1AK
		Dilution F	actor: 1			
		Analysis T	ime: 11:20	Analyst ID: 22952	Instrument ID.	.: 650
Copper	ND	25.0	ug/L	SW846 6010B	04/13-04/21/09	K91QH1AL
		Dilution F	actor: 1			
		Analysis T	ime: 11:20	Analyst ID: 22952	Instrument ID.	.: 650

#### METHOD BLANK REPORT

#### TOTAL Metals

## Client Lot #...: C9D090299

Matrix....: WATER

		REPORTING		PREPARATION- WORK
PARAMETER	RESULT	LIMIT UNITS	METHOD	ANALYSIS DATE ORDER #
Iron	ND	100 ug/L	SW846 6010B	04/13-04/21/09 K91QH1AM
		Dilution Factor: 1		
		Analysis Time: 11:20	Analyst ID: 22952	Instrument ID: 650
Lead	ND	3.0 ug/L	SW846 6010B	04/13-04/21/09 K91QH1AN
		Dilution Factor: 1		
		Analysis Time: 11:20	Analyst ID: 22952	Instrument ID: 650
1111 1541 1544 225				
Lithium	ND	50.0 ug/L	SW846 6010B	04/13-04/21/09 K91QH1AP
		Dilution Factor: 1		
		Analysis Time: 11:20	Analyst ID: 22952	Instrument ID: 650
Magnesium	ND	5000 ug/L	SW846 6010B	04/13-04/21/09 K91QH1AQ
		Dilution Factor: 1		
		Analysis Time: 11:20	Analyst ID: 22952	Instrument ID: 650
Manganese	ND	15.0 ug/L	SW846 6010B	04/13-04/21/09 K91QHIAR
		Dilution Factor: 1		
		Analysis Time: 11:20	Analyst 10: 22952	Instrument ID: 650
Molybdenum		40.0 ug/T.	SW846 6010B	04/13-04/21/09 K910H1AT
		Dilution Factor: 1		
		Analysis Time: 11:20	Analyst TD	Instrument ID · 550
Nickel	ND	40.0 ug/L	SW846 6010B	04/13-04/21/09 K91QH1AU
		Dilution Factor: 1		
		Analysis Time: 11:20	Analyst ID: 22952	Instrument ID: 650
17. 17.				
Colonium		F 0	SWRAC COLOR	04 /12 04 /21 /00 V010011N
Selenium	ND		28846 0010B	04/13-04/21/09 K91QHIAW
		Dilución Factor: 1		
		Analysis fime: 11:20	Analyst 10: 22952	instrument 1D: 650
Silver	NTO	50 ug/L	SW846 6010B	04/13-04/21/09 K910H1AX
OIIVEI	112	Dilution Factor, 1		
		Analysis Time - 11.20	Analyst TD · 22952	
Sodium	ND	5000 ug/L	SW846 6010B	04/13-04/21/09 K910H1A0
		Dilution Factor: 1		
		Analysis Time: 11:20	Analyst ID: 22952	Instrument ID: 650
		-		AL 25
Strontium	ND	50.0 ug/L	SW846 6010B	04/13-04/21/09 K910H1A1
		Dilution Factor: 1		• • • • • • • • • • • • • • • • • • •
		Analysis Time: 11:20	Analyst ID: 22952	Instrument ID: 650
		174	12761	

(Continued on next page)

1

## METHOD BLANK REPORT

#### TOTAL Metals

Client Lot #.	: C9D09029	9			Matri	<b>x</b> :	WATER
PARAMETER	RESULT	REPORTING LIMIT U	INITS MI	THOD		PREPARATION- ANALYSIS DAT	WORK TE ORDER #
MB Lot-Sample	#= C9D13000	0-184 Prep Bate	ch #: 910	3184			
mercury	ND	U.20 1 Dilution Factor	19/L S	W846 7470A		04/13/09	K91V81AA
		Analysis Time	: 13:34 Ana	lyst ID:	403938	Instrument :	ID: HGH

#### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

# Range Resources Corporation

Client Sample ID: CC6H8H-DAY 14

## GC/MS Volatiles

Lot-Sample #:	C9D090299-001	Work Order #:	K9WFK1EE	Matrix	WATER
Date Sampled:	04/09/09	Date Received:	04/09/09	MS Run #:	9104133
Prep Date:	04/14/09	Analysis Date:	04/14/09		
Prep Batch #:	9104245	Analysis Time:	17:03		
Dilution Factor:	1	Initial Wgt/Vol:	5 mL	Final Wgt/Vol:	5 mL
Analyst ID:	034635	Instrument ID:	HP7		
		Method:	SW846 8260B		
			REPORTING		
PARAMETER	-	RESULT	LIMIT UN	IITS MDL	

LT	LIMIT	UNITS	MDL	
		/T		

Benzene	360 E	5.0	ug/L

1.5

0.99

## Range Resources Corporation

Client Sample ID: CC6H8H-DAY 14

## GC/MS Volatiles

Lot-Sample #:	C9D090299-001	Work Order #:	K9WFK1EE	Matrix	: WATER
PARAMETER		RESULT	REPORTING LIMIT	UNITS	MDL

~ Toluene	430 B	5.0	ug/L	0.85
	<b>B</b> - <b>2 S</b>			

# Range Resources Corporation

# Client Sample ID: CC6H8H-DAY 14

## Radiochemistry

Lab Sample ID: C9 Work Order: K9 Matrix: WA	D090301-001 WGJ TER			Date Collected Date Received	1: 04/09/0 : 04/09/0	)9 1445 )9 1650	
Parameter	Result	Qual	Total Uncert. (2 g+/-)	RL	mão	Prep . Data	Analysis Date
Gamma Cs-137 & Hits	by EPA 901.1 1	COD		pCi/L	Batch # 910	5288	Yld %
· • ·							
-							
Lead 210	90	U	280		360	04/15/09	05/06/09
Lead 212	37		22		28	04/15/09	05/06/09
Lead 214	925	•	92		38	04/15/09	05/06/09
-		•					<u> </u>
Radium (226)	861		84		43	04/15/09	05/06/09
Radium 228	655		66	50	42	04/15/09	05/06/09
x							
	* i <sup>2</sup>						
Thorium 227	-49	υ	73		120	04/15/09	05/06/09
Thorium 234	10	U	220		390	04/15/09	05/06/09
Uranium 235	-40	υ	200	•	120	04/15/09	05/06/09
Uranium 238	10	U	220		390	04/15/09	05/06/09

NOTE (S)

Data are incomplete without the case marrative.

MDC is determined by instrument performance only.

"old results are greater than the MDC.

J Result is less than the sample detection limit.

٠.

# Range Resources Corporation

# Client Sample ID: CC6H8H-DAY 14 DUP

## Radiochemistry

Lab Sample 1 Work Order: Matrix:	D: C9D090301-00: K9WGJ WATER	LX		Date Colle Date Recei	ected: 04/ .ved: 04/	/09/09 1445 /09/09 1650	
Perameter	Result	Qua1	Total Uncert. (2 c+/-)	RL	mic	Prep Date	Analysis Date
Gamma Cs-137 a	Hits by EPA 901.1	MOD	P	Ci/L	Batch	# 9105288	Yld %
	-						
Lead 210	160	U	380		630	04/15/09	05/06/09
Lead 212	-20	υ	1400		40	04/15/09	05/06/09
Lead 214	976		80		39	04/15/09	05/06/09
Radium (226)	885		72		25	04/15/09	05/06/09
Radium 228	751		71	50	48	04/15/09	05/06/09
••					c		
						1. 1	
Thorium 227	-23	U	68		110	04/15/09	05/06/09
Thorium 234	140	U	330		480	04/15/09	05/06/09
Uranium 235	-30	U	14000		100	04/15/09	05/06/09
Uranium 238	140	υ	330		480	04/15/09	05/06/09

NOTE (S)

Data are incomplete without the case marrative.

MDC is determined by instrument performance only. Id results are greater than the MDC.

U Result is less than the sample detection limit.



TestAmerica Laboratories, Inc.

# ANALYTICAL REPORT

PROJECT NO. CC6H8H-DAY 90

Table 1

Lot #: C9F300106

Tony Gaudlip

Range Resources Corporation 380 Southpointe Blvd Suite 300 Canonsburg, PA 15317

#### TESTAMERICA LABORATORIES, INC.

1

Christina M. Kovitch Project Manager

July 28, 2009



# **NELAC REPORTING:**

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying	Certificate #		
State/Program	l	Program Types	lestAmerica
NFESC	NA	NAVY	x
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	x
Arkansas	(#88-0690)	WW	X
		HW	X
California – NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E871008-04)	ww	X
		HW	X
Illinois - NELAC	(#002064)	WW	X
		HW	X
Kansas – NELAC	(#E-10350)	ww	Х
		HW	X
Louisiana - NELAC	(#04041)	WW	x
		HW	X
New Hampshire – NELAC	(#203008)	WW	X
New Jersey – NELAC	(PA-005)	ww	X
		HW	<u> </u>
New York - NELAC	(#11182)	ww	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014002)	WW	X
		HW	<u>X</u>
Utah – NELAC	(STLP)	ww	X
		HW	<u>X</u>
West Virginia	(#142)	WW	X
		HW	<u>X</u>
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification

WW Non-potable Water and/or Wastewater certification

X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 2/5/2009 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

TestAmerica Chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

COC ID: KOVITCHC16972-1141-2

TestAmerica, Inc.

**TestAmerica Pittsburgh 301 Alpha Drive** Pittsburgh, PA 15238 (412) 963-7058 (412) 983-2468 - fax

	12010 1				2006 #.			Client: URS C	URS Corporation			
Date: Project Manager:	6-29-09 Amanda Baynes				Carrier/Waybill #	0		501 Hc	Plaza 4 silday Drive			
hone:	412-849-5403				R	ange		Pittsbu	ngh			
* <u> </u>					· · ·			PA	15220			
SAM	PLE ID	DATE/TI	Æ	MATRIX	BC	TTLE TYPE	#	PRESERVATIVE	ANALYSIS			
CCCHE	34-02 90	629-02/	DAPO	WATER	1129	Plastic -1 Liter	1	None	WATER, MBAS, Sulle (TA Nastwile)			
		<b>/</b>		WATER	1LP	Plastic -1 Liter	1	None	WATER, TDS, TSS, T-Alk-I Br,CLFI			
				WATER	250P	Plastic - 250mL	1	Sulfuric Aold	WATER, TKN, T-Phos N.Canton			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			WATER	1LAG	Glass - 1 Liter Amber	2	Hydrochioric Acid	WATER, 1884A HEM, Oil and Grease			
				WATER	250P	Plastic - 250mL	1	Nitric Acid	WATER, 2340C, Total Hardness			
1				WATER	250P	Plastic - 250mL	1	None	WATER, 300.0A, Nitrate , Nitrite, Sutfate, pH			
				WATER	250AP	Plastic - 250mL (8oz)	1	Sodium Hydroxide	WATER, 4500-CN E, Free Cyanide N. Canton			
		f		WATER	1lp	Plastic -1 Liter	1	None	WATER, 5210 B, BOD N.Canton			
and the second	· · · · · · · · · · · · · · · · · · ·			WATER	w	Glass - 40mL Vial	3	None	WATER, 5310B, Dissolved Organic Carbon (Filter			
	e de la companya de l			WATER	vv	Glass - 40mL Vial	3	Sulfuric Acid	WATER, 5310B, TOC			
				WATER	500P	Plastic - 500mL (16oz)	1	Nitric Acid	WATER, 6010B Diss-Metals (Sp.List) (Filter in La			
				WATER	500P	Plastic - 500mL (18oz)	1	Nitric Acid	WATER, 60108 T-Metala (Sp.List)			
		<u> </u>		WATER	250P	Plastic - 250mL	1	None	WATER, 7196A, Diss Hexavalent Cr (needs filled i			
				WATER	250P	Plastic - 250mL	1	None	WATER, 7196A, Total Hexavalent Chromium			
	I.			WATER	w	Glass - 40mL Viel	3	Hydrochloric Acid	WATER, 8015 DAI TA Buffalo			
							ہیں <u>م</u> لی بندر میں					
icale resquiroments:												
table Hazard Identification	K Non-Hezerd	Flammabia Ski	in Initiant 🗌 Po	tson 8 🛄	Unknown Samp	ple Disposal: Return to Cliev	•	Olaposed by Lab	Archive for Months (A lee may apply II samples a ratelined longer than 3 months			
n Around Time Required:	Normal	Rush 00	×	QC Level;	I II II	Project Specific Pylouinements (	spicing	$\overline{)}$	. ,			
inquished by: A	mhi	145		grand S	-ca/Kdu	Received by	Y	Ta	Daya Ama: 189 /6/0			
linguished by:	0/0	0. ==	-	Date/Time:		Received by:	~		Deforme:			
wished by:				Cate/Time:		Received by:			Deta/Time:			
ngulahad by:												

C9F300106



THE LEADER IN ENVIRONMENTAL TESTING

COC ID: KOVITCHC16972-1141-2

TestAmerica, Inc.

**TestAmerica** Pittsburgh 301 Alpha Drive Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

Project Information:	Table 1			Quote #:				Client URS C	S Corporation		
Date:	6-29-2	9		Carrier/Waybill #:				Foster	Plaza 4		
Project Manager:	Amanda Baynes			1 Da				501 Ho	501 Holiday Drive		
Phone:	412-849-5403			- kange				Pittehu	Sure 300		
				k				PA	PA 15220		
SAMP	N.E.ID	DATE/TIME	MATRIX	BO	TTLE TYPE			DRESERIATA/C			
CC1. 4-8.44	A. 64	1.14 110	NATER	w	Glass - 40mL	Viel	3	None	WATER, 8015 Gylcol	TA Buffalo	
un on	13270	0.00400	WATER	ILAG	Giass - 1 Liter A	mber	2	None	WATER, 8081A, Pesi	icides	
		······································	WATER	ILAG	Glass - 1 Liter A	mber	2	None	WATER, 8082, PCBs	(8082)	
			WATER	1LAG	Glass - 1 Liter A	mber	2	None	WATER, 8141A, Org	anophos	
	1	<u> </u>	WATER	w	Glass - 40mL	Vial	3	Hydrochioric Acid	WATER, 82608, VOA	(Sp. Lisi)	
	1		WATER	1LAG	Glass - 1 Liter A	mber	2	None	WATER, 8270C, BNA	Sp. List	
	1		WATER	1GP	Plastic - 1 Gal	lon	1	Nitric Acid	WATER, 901.1 MOD,	Gamma Cs-137 & Hits by	
	1		WATER	250P	Plastic - 250n	nL	1	Socium Hydroxide	WATER, 9012A, Tota	Cyanide	
			WATER	250P	Plastic - 250n	×	1	Zinc Acelate/NaOH	WATER, 90308/9034,	Total Sulfide	
			WATER	402	Gisss - 4oz (12)	imL)	2	Sulluric Acid	WATER, 9066, Phono	lics	
			WATER	250P	Plastic - 250m	ıL	1	Sulfuric Acid	WATER, Ammonia Nil	rogen, Nitrate-Nitrite,COD	
	1		WATER	VVAG	Amber Glass - 40 a	n L. Vial	3	None	WATER, Fatty Add T	A Buffalo	
1			WATER	1LP	Plastic -1 Life	r I	1	None	WATER, Osmotic Pres	sure MJ Reider	
			WATER	202	Plastic - 202		1	None	WATER, Total Coliforn	Microbec	
			WATER	500P	Plastic - 500mL (	16oz)	1	None	WATER, TVA TA Wa	ortown	
add for and a second		· · · · · · · · · · · · · · · · · · ·									
вое поцитентент.		<u> </u>									
vaible Hezard Identification:	Non-Hazard	Flammable Skin kritani	Poison B	] Unknown Sam	ale Disposat	to Client		Disposet by Lab	Archive for Mor	the (A fee may apply if eamples as relained longer than 3 months	
m Around Time Required:	Normal	Rush Coher	QC Level:	.(	Project Specific Requirer	ments (Spec	¥97:	0			
Inquished by: Q		145	and The state	-01/140	Received by:	. 1	١.	6 7	à-	6/25/UT 1610	
inguished by:	-180		Data/Time:		Received by:			<i>r</i>		Deferting:	
Inquished by:		· · · · · · · · · · · · · · · · · · ·	Dete/Time:		Received by:	- (f. 1.1				Dela/Time:	
mnents: .					Lange				<u> </u>	nalai	
		and a second									

10



THE LEADER IN ENVIRONMENTAL TESTING

COC ID: KOVITCHC16972-1141-2

TestAmerica, Inc.

**TestAmerica** Pittsburgh **301 Alpha Drive** Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

Project Information:	formation: Table 1 b-39-09		Q	uote #:	Client	URS Corporation			
Date:			Can	rier/Waybill ft:		Foster Plaza 4			
roject Manager: Amanda Baynes			Raine						
Phone:	412-849-5403			, myc		Pittsburgh			
						PA	15220		
		DATEGRAC	-						

		MC RIATRIA		BUTTLE ITPE			FRESERVATIVE	ANALYSIS		
Cechen-Dyro	1-29-09/	6934	WATER	1LP	Plastic -1 Liter	3	None	WATER, Specific Conductivity . Turbidity, Acidity		

C9F300106

ende Hazard Idendiication.	Non-Hazard	Fiermable	Skin krilant (	Poison 8 Unknown	Sample Disposal: Return to Cilo	nt Disposal by Leb Archive fo	or Months (A fee may apply if sample: retained longer than 3 mon
m Around Time Required;	Normal	Rush	Other	QCLevel:II	III Project Specific Regiments	isonethe )	
inquisities by	m	- M	NS	6-29 c01/16	to Received by:	Do TH	Detertime: 03/610
inguished by:	0			Date/Time:	Received by:		Chant Time:
Inguished by:				Date/Time:	Received by:		Dete/Time:
mments:							

TestAmerica Laboratories, Inc.

Attachment C

# **TESTAMERICA LABORATORIES, INC.**

# PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user. \_\_\_\_\_ PAGE 1 Range Resources Corporation Lot #: C9F300106 Date Reported: 7/16/09 Table 1 Project Number: CC6H8H-DAY 90 REPORTING ANALYTICAL

PARAMETER RESULT LIMIT UNITS METHOD

Client Sample ID: CC6H8H-DAY 90

Sample #: 001 Date Sampled: 06/29/09 09:30 Date Received: 06/29/09 Matrix: WATER

Trivalent Chromium Trivalent Chromium

Trace Inductively Coupled Plasma	(ICP) Metal	S			Revie
Silver	ND	50.0	ug/L	SW846	6010B
Aluminum	2570	2000	ug/L	SW846	6010B
Arsenic	109	100	ug/L	SW846	6010B
Barium	87200	2000	ug/L	SW846	6010B
Beryllium	ND	40.0	ug/L	SW846	6010B
√Boron	12700	2000	ug/L	SW846	6010B
Calcium	19800000	500000	ug/L	SW846	6010B
/ Cadmium	3.2 B	50.0	ug/L	SW846	6010B
√Cobalt	ND	5000	ug/L	SW846	6010B
/ Chromium	15.8 B	50.0	ug/L	SW846	6010B
Copper	ND	250	ug/L	SW846	6010B
√,Iron	68700	1000	ug/L	SW846	6010B
1					
✓ Lithium	105000	1000	ug/L	SW846	6010B
Magnesium	1830000	50000	ug/L	SW846	6010B
Manganese	8990	150	ug/L	SW846	6010B
Molybdenum	ND	400	ug/L	SW846	6010B
VSodium	39000000	500000	ug/L	SW846	6010B
Nickel	ND	4000	ug/L	SW846	6010B
Lead	ND	300	ug/L	SW846	6010B
, , , , , , , , , , , , , , , , , , ,			-		
Selenium	49.9 B	50.0	ug/L	SW846	6010B
√, Strontium	3410000	25000	ug/L	SW846	6010B
J					
x					
J Zinc	218	200	ug/L	SW846	6010B
Silver Dissolved	ND	50.0	ug/L	SW846	6010B
Aluminum Dissolved	ND	2000	ug/L	SW846	6010B
Arsenic Dissolved	99.0 B	100	ug/L	SW846	6010B
√Barium Dissolved	104000	2000	ug/L	SW846	6010B

(Continued on next page)

wed

Reviewed

# TESTAMERICA LABORATORIES, INC.

# PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

	Range	Resources	Corporati	on			PAGE 2
Lot #: C9F300106		Table	1		Date Rep	ported:	7/16/09
	Projec	t Number: (	CC6H8H-DAY	90			
			REPORTIN	G	ANALYI	TICAL	
PARAMETER	······	RESULT	LIMIT	UNITS	METHOI	)	
	20(11011 Day 00						
Client Sample ID:	CC6H8H-DAY 90	/20/00 00-			06/20/00	Ant mine	הזית תודיום
Sample #: 001	Date Sampled: 06	/29/09 09:	SU Date R	eceived:	J6/29/09 F	atrix:	WATER
Beryllium	Dissolved	ND	40.0	ug/L	SW846	6010B	
JBoron	Dissolved	15900	2000	ug/L	SW846	6010B	
✓ Calcium	Dissolved	24600000	500000	ug/L	SW846	6010B	
<pre>/Cadmium</pre>	Dissolved	2.8 B	50.0	ug/L	SW846	6010B	
Cobalt	Dissolved	46.0 B	5000	ug/L	SW846	6010B	
,Chromium	Dissolved	16.0 B	50.0	ug/L	SW846	6010B	
Copper	Dissolved	32.4 B	250	ug/L	SW846	6010B	
Jron	Dissolved	74200	1000	ug/L	SW846	6010B	
<b>1</b>							
✓Lithium	Dissolved	127000	1000	ug/L	SW846	6010B	
Magnesium	Dissolved	2320000	50000	ug/L	SW846	6010B	
Manganese	Dissolved	11000	150	ug/L	SW846	6010B	
Molybdenum	Dissolved	ND	400	ug/L	SW846	6010B	
Sodium	Dissolved	47800000	500000	ug/L	SW846	6010B	
Nickel	Dissolved	ND	4000	ug/L	SW846	6010B	
Lead	Dissolved	ND	300	ug/L	SW846	6010B	
J							
Selenium	Dissolved	ND	50.0	ug/L	SW846	6010B	
<pre>✓/Strontium</pre>	Dissolved	4140000	25000	ug/L	SW846	6010B	
v							
n	Discoluted	250	200	···· /T	OFIO A C	C010D	
V Zinc	Dissolved	250	200	ug/L	SW846	POIDR	
Mercury in Liqui	d Waste (Manual	Cold-Vapor	1				Reviewed
Mercury	ia nabio (nandai	ND	0.20	ug/L	SW846	7470A	novio
Mercury	Dissolved	ND	0.20	ug/L	SW846	7470A	
nereary	Dippointed		0.20	ug/ 1	5.1010		
B Estimated result. Result is	e less than RL.						
Organochlorine H	Pesticides						Reviewed
	)						
alpha-BHC	,	ND	0.049	ua/L	SW846	8081A	
beta-BHC		ND	0.049	$u\sigma/T$	SW846	8081A	

\_\_\_\_\_

# TESTAMERICA LABORATORIES, INC.

# PRELIMINARY DATA SUMMARY

\_\_\_\_\_

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

						-
	Range Resources	Corporation			PAGE	4
Lot #: C9F300106	Table	1	1	Date Reported:	7/16/09	
	Project Number:	CC6H8H-DAY 90				
		REPORTING		ANALYTICAL		
PARAMETER	RESULT	LIMIT U	JNITS	METHOD		

Client Sample ID: CC6H8H-DAY 90

\_\_\_\_\_

Sample #: 001 Date Sampled: 06/29/09 09:30 Date Received: 06/29/09 Matrix: WATER

1	Benzene			
		-	-	

290

250

ug/L

SW846 8260B

# TESTAMERICA LABORATORIES, INC.

# PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

			Range Resources Corporation		PAGE 5	
Lot #: 0		C9F300106	Table 1	Date Reported:	7/16/09	
			Project Number: CC6H8H-DAY 90			
			REPORTING	ANALYTICAL		
	PZ	ARAMETER	RESULT LIMIT UNITS	METHOD		

Client Sample ID: CC6H8H-DAY 90

. . .

Sample #: 001 Date Sampled: 06/29/09 09:30 Date Received: 06/29/09 Matrix: WATER

✓ Toluene

1600

- -

250

ug/L SW846 8260B

# TESTAMERICA LABORATORIES, INC.

# PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

	Range Resources	Corporation		PAGE 13
Lot #: C9F300106	Table	1	Date Reported:	7/16/09
	Project Number: C	C6H8H-DAY 90		
		REPORTING	ANALYTICAL	
PARAMETER	RESULT	LIMIT UNITS	METHOD	
Client Sample ID. CC6H8H-D	AV 90			
Sample #: 001 Date Sample	pled: 06/29/09 09:3	0 Date Received:	06/29/09 Matrix:	WATER
Semivolatile Organic Com	pounds by GC/MS			Reviewed
Aramite	ND	94 ug/L	SW846 8270C	
J Estimated result. Result is less than RL.				
Inorganic Analysis				Reviewed
<pre>/ Acidity (Titrimetric) / 2310B (4a)</pre>	388	5.0 mg/L	SM20 2310B (	4a)
VAlkalinity, Total	11.5	5.0 mg/L	SM18 2320 B	
Biochemical Oxygen Dem	and 12400	2.0 mg/L	SM18 5210 B	
/ Chemical Oxygen Demand	18400	250 mg/L	MCAWW 410.4	
Specific Conductance	480000	500 umhos	s/cm MCAWW 120.1	
1		· ·		
HARDNESS, TOTAL	77000	2500 mg/L	SM20 2340C	
N-Hexane Extractable Material (1664A)	802	4.6 mg/L	CFR136A 1664	A HEM
Bromide	1600	10.0 mg/L	MCAWW 300.0A	1
Chloride	138000	2500 mg/L	MCAWW 300.0A	1
1.				
✓Sulfate	32.8 B	50.0 mg/L	MCAWW 300.0A	Α
Nitrogen, Ammonia	168	5.0 mg/L	MCAWW 350.1	
✓ Nitrate-Nitrite	ND	0.10 mg/L	MCAWW 353.2	
Phenolics	0.23	0.010 mg/L	SW846 9066	
,pH Aqueous	5.9	0.10 No U	nits SW846 9040	
3			2	
√Total Dissolved Solids ∕ SM 2540 C	200000	200 mg/L	SM18 2540 C	
✓ Total Kjeldahl Nitroge	en 87.7	3.0 mg/L	MCAWW 351.3	

# TESTAMERICA LABORATORIES, INC. PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: C9F300106	<b>Range</b> Project	Resources ( Table 1 Number: CC	Corporat L C6H8H-DA	ion AY 90	Date Re	eported:	PAGE 1 7/16/09	4
PARAMETER		RESULT	REPORTI LIMIT	UNITS	ANALY METHO	TICAL		
Client Sample ID: Sample #: 001	CC6H8H-DAY 90 Date Sampled: 06/	/29/09 09:30	) Date	Received:	06/29/09	Matrix:	WATER	
Total Suspended	Solids SM 2540 D ed Solids	83.0	4.0	mg/L	SM20	2540D	Reviewed	

#### Range Resources Corporation

Client Sample ID: CC6H8H-DAY 90

## General Chemistry

Lot-Sample #: Date Sampled:	C9F300106-001 06/29/09	001 Work Order #: Date Received:		LFT1Q Mat 06/29/09	rix: WATER		
PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #	
рН	5.9	0.10	No Units	SW846 9040	06/30/09	9181361	
	Di. MDI	ution Fac	stor: 1	Analysis Time: 16:25	MS Run #	.: 9181194	
Acidity	388	5.0	mg/L	SM20 2310B (4a)	07/13/09	9194151	
	Di	ution Fac	ctor: 1	Analysis Time: 00:00	MS Run #	.: 9194077	

MDL..... 5.0

... .....

Annonia Nitrogen	168 J	5.0	mg/L	MCAWW 3	350.1	07/02/09	9182130
		Dilution Fact	or: 50	Analysis I	rime: 00:00	MS Run #	:
		MDL	: 0.47				
Biochemical Oxygen Demand (BOD)	12400	2.0	mg/L	SM18 52	210 B	07/01-07/06/09	9182392
		Dilution Fact	or: 1	Analysis 1	Fime: 00:00	MS Run #	:
		MDL	: 2.0				
Bromide	1600	10.0	mg/L	MCANN	300.0A	06/30/09	9181426
		Dilution Fact	or: 50	Analysis 7	Time: 00:00	MS Run #	:
		MDL	: 0.72				
Chemical Oxygen Demand (COD)	18400	250	mg/L	MCAWW	410.4	07/10-07/11/09	9191376
		Dilution Fact	or: 25	Analysis 1	Time: 09:38	MS Run #	: 9191235
		MDL	: 130				
Chloride	138000	J 2500	mg/L	MCAWW	300.0A	07/14/09	9 <b>19</b> 5342
		Dilution Fact	cor: 2500	Analysis :	Time: 00:00	MS Run #	: 9195181
		MDL	: 132				

#### Range Resources Corporation

Client Sample ID: CC6H8H-DAY 90

#### General Chemistry

Lot-Sample #:	C9F300106-001	Work O	rder #:	LFT1Q	Matrix	WATER
					PREPARATION-	PREP
PARAMETER	RESULT	RL	UNITS	METHOD	ANALYSIS DATE	BATCH #

	Hardness, as CaCO3	77000	2500	mg/L	SM20	2340C	07/13/09	9194198
			Dilution Fact	tor: 500	Analysi	s Time: 00:00	MS Run #	: 9194125
	Nitrate-Nitrite	ND	0.10 Dilution Fact	mg/L	MCAWI Analysi	W 353.2	07/14/09 MS Run #	9195150 : 9195086
			MDL	: 0.010				
		•						
	Oil & Grease (HEM)	802	4.6	mg/L	CFR1	36A 1664A HRM	07/01/09	9182113
/			MDL	cor: 0.93	ADALYSI	LE TIME: 13:00	MS KUN #	:
			(Con	tinued on m	ext pa	ge)		

#### Range Resources Corporation

Client Sample ID: CC6H8H-DAY 90

#### General Chemistry

Lot-Sample #...: C9F300106-001 Work Order #...: LFT1Q Matrix.....: WATER

PREPARATION-PREP PARAMETER RESULT RL UNITS METHOD ANALYSIS DATE BATCH # Specific Conductance 480000 J 500 MCAWW 120.1 07/01/09 umhos/cm 9182161 MS Run #....: 9182143 Dilution Factor: 500 Analysis Time..: 00:00 MDL....: Sulfate 32.8 B,J 50.0 MCAWW 300.0A 06/30/09 9181423 mq/L MS Run #....: 9181238 Dilution Factor: 50 Analysis Time..: 00:00 MDL..... 1.6 1 . . . . . . 11.5 J 5.0 mg/L SM18 2320 B 07/08-07/09/09 9189249 Total Alkalinity MS Run #..... 9189142 Dilution Factor: 1 Analysis Time..: 00:00 MDL..... 0.41 06/30-07/01/09 9181411 SM18 2540 C 'otal Dissolved 200000 200 mg/L Solids Dilution Factor: 1 MS Run #..... 9181231 Analysis Time..: 08:20 MDL..... 10.0 Total Kjeldahl MCAWW 351.3 07/13-07/14/09 9194330 87.7 3.0 mg/L Nitrogen Dilution Factor: 1 Analysis Time..: 00:00 MS Run #..... 9194194 MDL..... 2.0

Total Sulfide 4.8 3.0 mg/L SW846 9030B/9034 06/30/09 9181194 Dilution Factor: 1 Analysis Time..: 16:00 MS Run #....: MDL....: 1.2 06/30-07/01/09 9181412 mg/L SM20 2540D Total Suspended 83.0 4.0 Solids Analysis Time..: 08:30 MS Run #....: 9181232 Dilution Factor: 1 MDL..... 2.0



10/262 Attachment C

THE LEADER IN ENVIRONMENTAL TESTING SDG Number: C9F300106 **TestAmerica** Pittsburgh Received: 07/01/09 01 Alpha Drive; RIDC Park Reported: 07/14/09 14:53 rittsburgh, PA 15238 **Project: Range Resources Corporation** Project Number: C9F300106 **Analytical Report** Dil Sample Date Data Lab Units Analyte **Result Qualifiers** RL Fac Analyzed **Tech Batch** Method

Cilent ID: CC6H8H-DAY 90 (RSG0056-01 - Water) Sampled: 06/29/09 09:30 Recvd: 07/01/09 09:00

#### Non-Halogenated Volatile Organics

Ethylene Glycol	290	D02	250	mg/L	25.0	07/02/09 19:45 GFD	9G02002	8015
1,4-Butanediol	*	D02	Surr Limits: (66-130%)			07/02/09 19:45 GFD	9G02002	8015



#### THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 \* 800-765-0980 \* Fax 615-726-3404

Client	TestAmerica Pittsburgh 301 Alpha, RIDC Park Pittsburgh, PA 15238	Work Order: Project Name: Project Number:	NSG0005 TA-Pennsylvania Sites C9F300106					
Attn	Chris Kovitch	Received:	07/01/09 08:00					
ANALYTICAL REPORT								

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSG0005-01 (CC6H8H-	DAY 90 - W	ater) Sam	pled: 06/29/09 0	9:30				
General Chemistry Parameters MBAS (mol.wt 320)	0.699	нтз	mg/L	0.0500	1	07/01/09 11:50	SM5540 C	9070081

# Range Resources Corporation

# Client Sample ID: CC6H8H-DAY 90

#### Radiochemistry

Lab Sample ID: Work Order: Matrix:	C9F300107-001 LFT1R WATER			Date Date	Collected: Received:	06/29/0 06/29/0	09 0930 09 1610	
Parameter	Result	Qual.	Total Uncert. (2 c+/-)	RL		dc	Prep Date	Analysis Date
Gamma Cs-137 & Hi	ts by EPA 901.1	MOD		pCi/L		Batch # 91	95333	Yld %
2 · · ·								2
is = site $(A - b)$								
			•					
14 - L						-		×
Lead 210	70	υ	310			540	07/14/09	08/04/09
Lead 212	8	U	35			60	07/14/09	08/04/09
Lead 214	1280		140		-	70	07/14/09	08/04/09
								* *
			•				x.	
Radium (226)	1270		120			50	07/14/09	08/04/09
Ladium 228	1100		120	50	· ·	70	07/14/09	08/04/09
Thorium 227	2	U	100			180	07/14/09	08/04/09
Thorium 234	150	U	380			640	07/14/09	08/04/09
Uranium 235	40	U	110			190	07/14/09	08/04/09
Uranium 238	150	υ	380			640	07/14/09	08/04/09

NOTE (S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only. Ald results are greater than the MDC.

J Result is less than the sample detection limit.

# Range Resources Corporation

# Client Sample ID: CC6H8H-DAY 90 DUP

# Radiochemistry

Lab Sample ID: Work Order: Matrix:	C9F300107-001 LFT1R WATER	x		Date Colle Date Recei	cted: 06/2 ved: 06/2	9/09 0930 9/09 1610	
Parameter	Result	Qual	Total Uncert. (2 g+/-)	RL	mde	Prop Date	Analysis Date
Gamma Cs-137 & Hits by EPA 901.1 MOD				pCi/L	Batch #	9195333	Yld %
X						**	
	<i>x</i>	-					
	k.	1			1.00		
		÷					
Lead 210	-120	σ	890		470	07/14/09	08/04/09
Lead 212	17	σ	31		52	07/14/09	08/04/09
Lead 214	1280		110		50	07/14/09	08/04/09
		-				14	
Radium (226)	1140		120		60	07/14/09	08/04/09
adium 228	1120		120	50	50	07/14/09	08/04/09
Thorium 227	-40	U	110		190	07/14/09	08/04/09
Thorium 234	90	U	310		530	07/14/09	08/04/09
Uranium 235	-2	U	98		170	07/14/09	08/04/09
Uranium 238	90	U	310		530	07/14/09	08/04/09

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only. 4d results are greater than the MDC.

J Result is less than the sample detection limit.