

Bratcher, Mike, EMNRD

From: Amy Ruth <aruth@diversifiedfsi.com>
Sent: Monday, August 12, 2013 4:15 PM
To: Bratcher, Mike, EMNRD
Subject: BOPCO PLU Big Sinks 14 25 30 USA #001H - Leak Site
Attachments: BOPCO PLU Big Sinks 14 25 30 USA #001H - Field Diagram.pdf; BOPCO PLU Big Sinks 14 25 30 USA #001H - Photo Page.docx.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Mike,

Here is a quick diagram from my notes and some photos of the site. I will call you to discuss the field screens.

Thanks!!

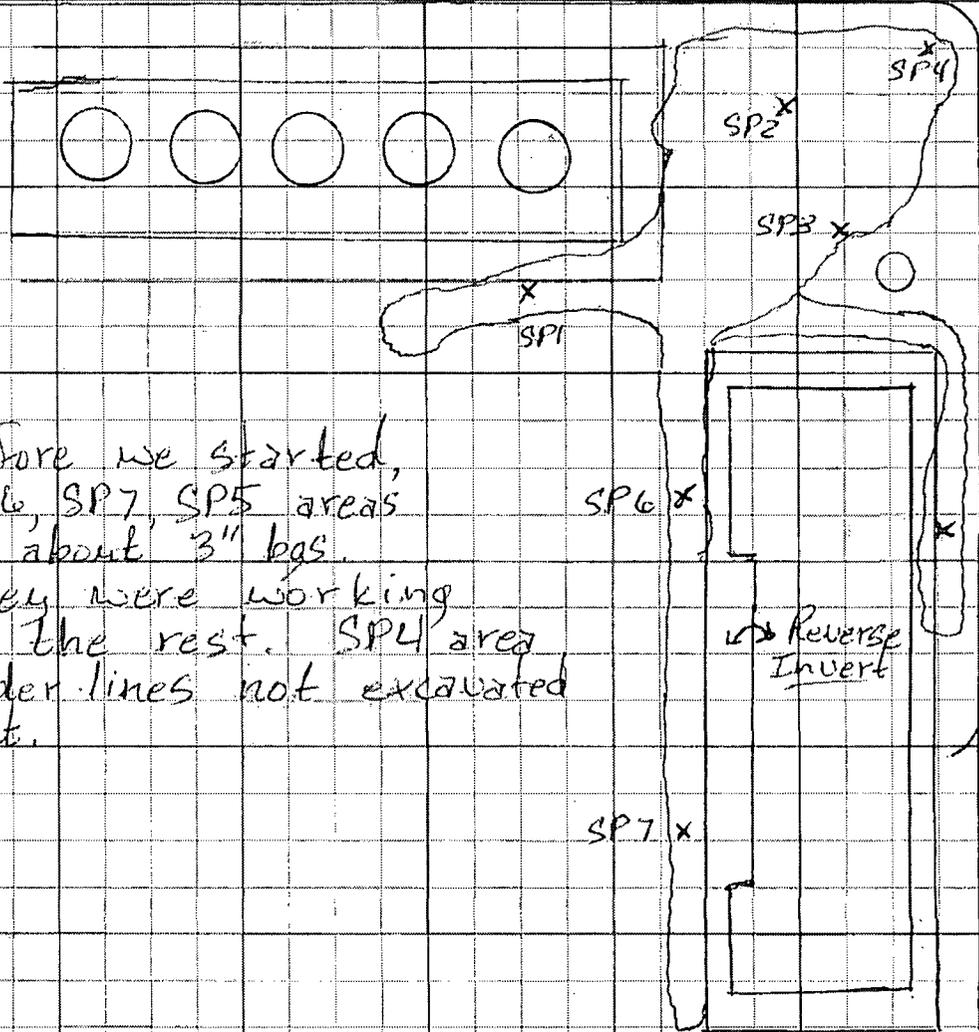
Amy C. Ruth

Diversified Field Services, Inc.
315 S. Leech St.
Hobbs, NM 88240
Office: (575)397-6437
Mobile: (575)390-5454
Fax: (575)393-2981

"Nothing will work unless you do." -Maya Angelou

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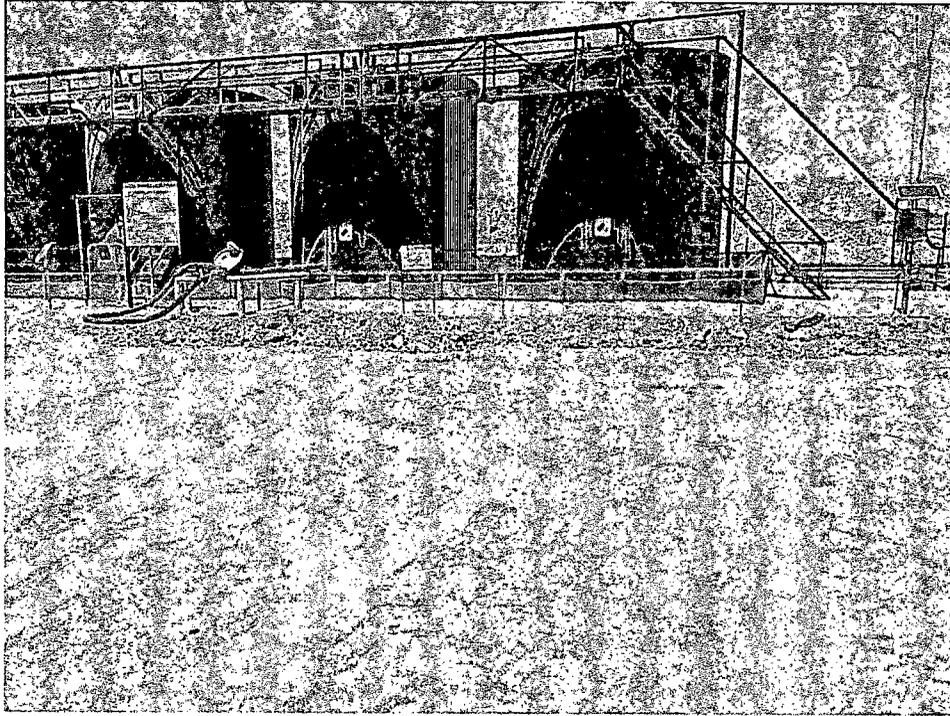
Site Diagram



Before we started,
 SP6, SP7, SP5 areas
 at about 3" bgs.
 They were working
 on the rest. SP4 area
 under lines not excavated
 yet.

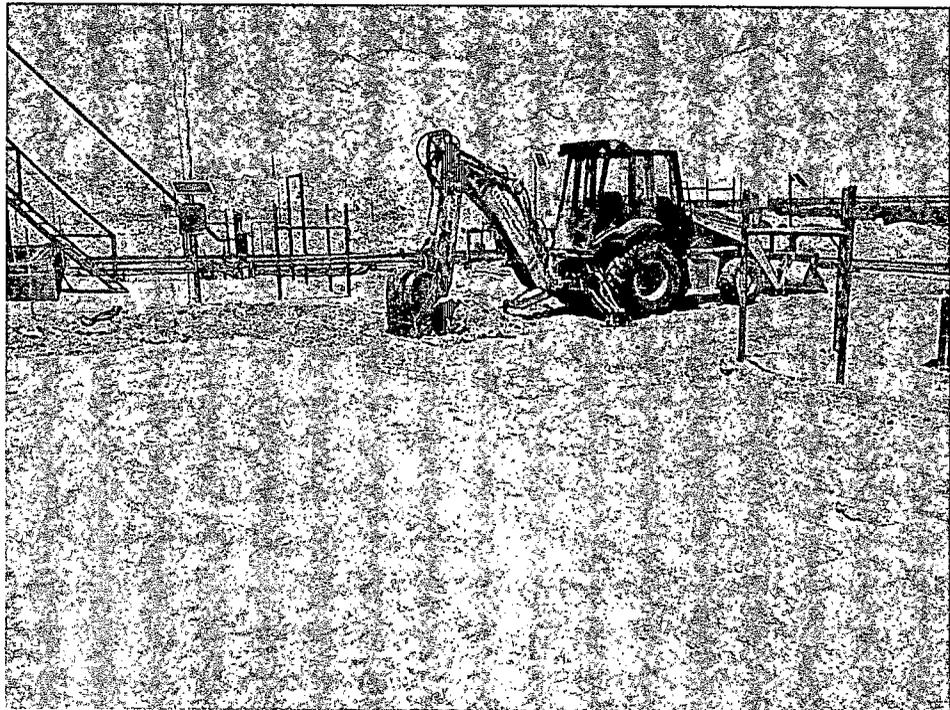
BOPCO PLU Big Sinks 14 25 30 USA #001H

Unit Letter N, Section 14, T25S R30E



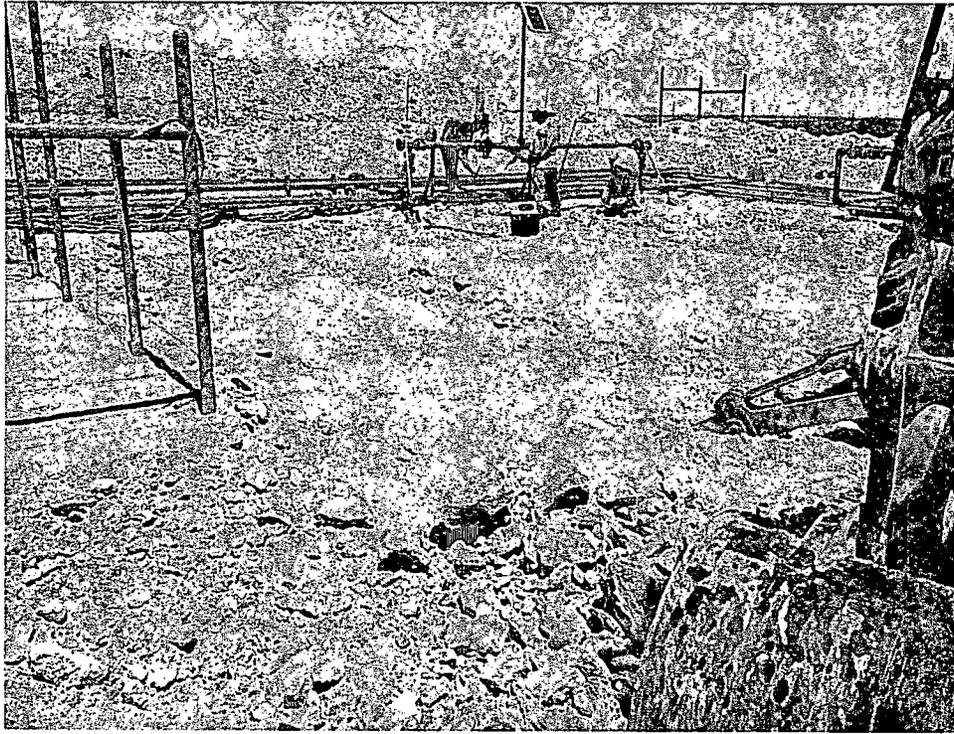
Excavating south of the tanks, facing north

8/12/13



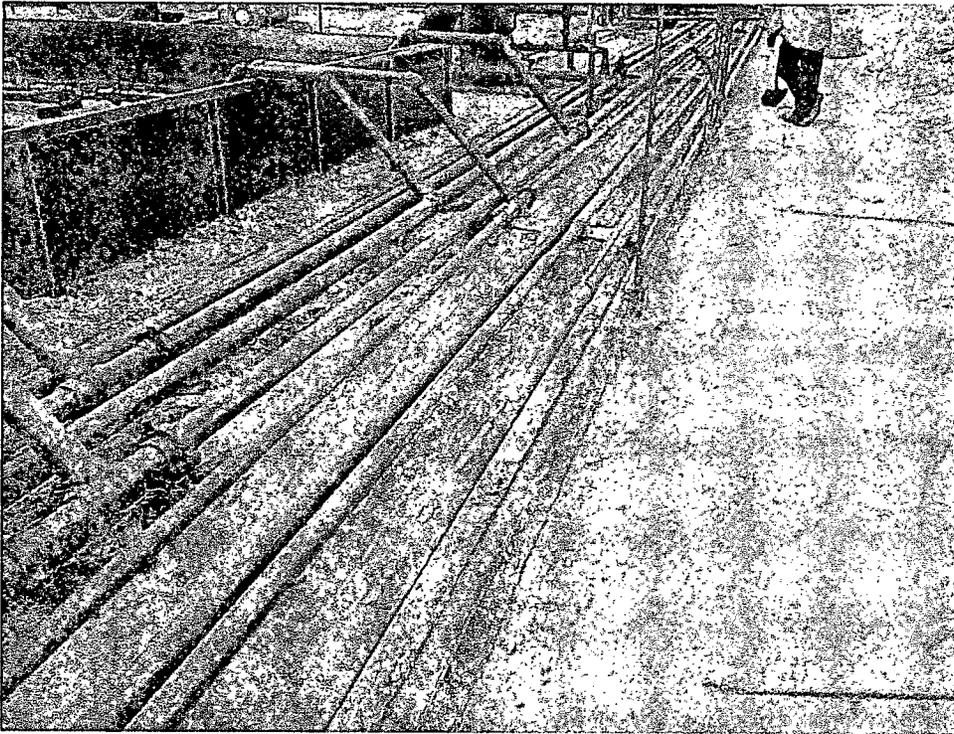
Excavating southeast of the tanks, facing northeast

8/12/13



Excavating east of the tanks under lines, facing northeast

8/12/13



Excavated 1 ft under lines east of the treaters, facing north

8/8/2013

8/12/13

8/20/13
4:55 ish

1/2 km wt Diversifood

M-14 - 25 - 30E

GW - nothing in this section

Tread map - 325-350

SP-2 may be able to get some more

SP-1 surf 37'53" scraped 3" 14,830

took least 1' = 3375

SP-2 16,940 surf scraped 3" 8919

1' = 7559

SP-3 381 @ surf

SP4 19600 surf under lines
Hit rock @ 6" 5" = 4800

SP5 track line @ side say 28654
scraped 3" 6700 with 3" 5291
dug to 1" 2381 1/2 1600

SP6 - first west side of track surf 26000

OK BPC 3" 5000 spec to 5" 2070 spec to 1' 519 →

Yuko has 50% interest in well

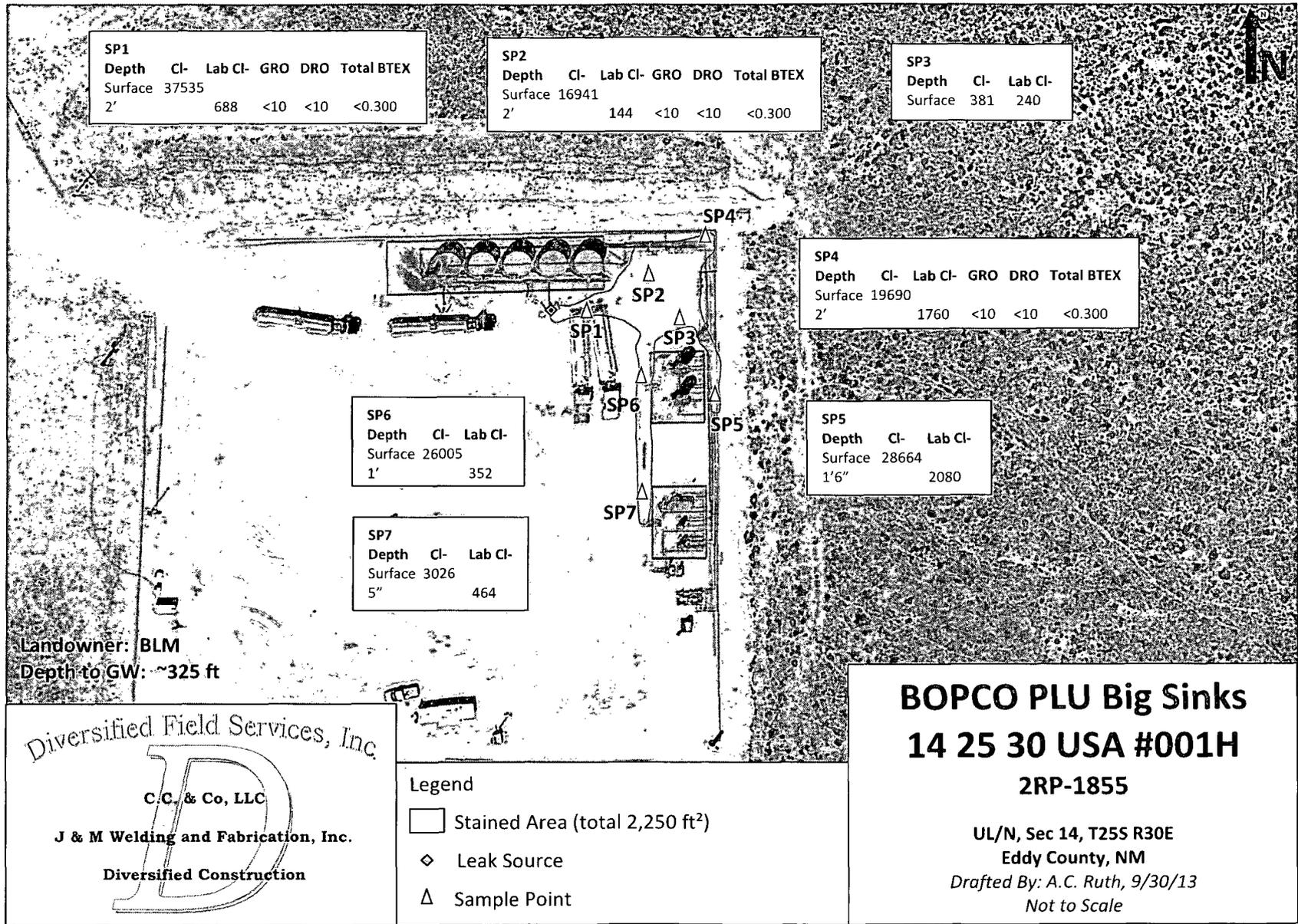
for bore log

(3/2 circled)

OK

SP7 - Silt 3026
Silt 3" 702
Silt 2" 627

Site Diagram with Sample Data



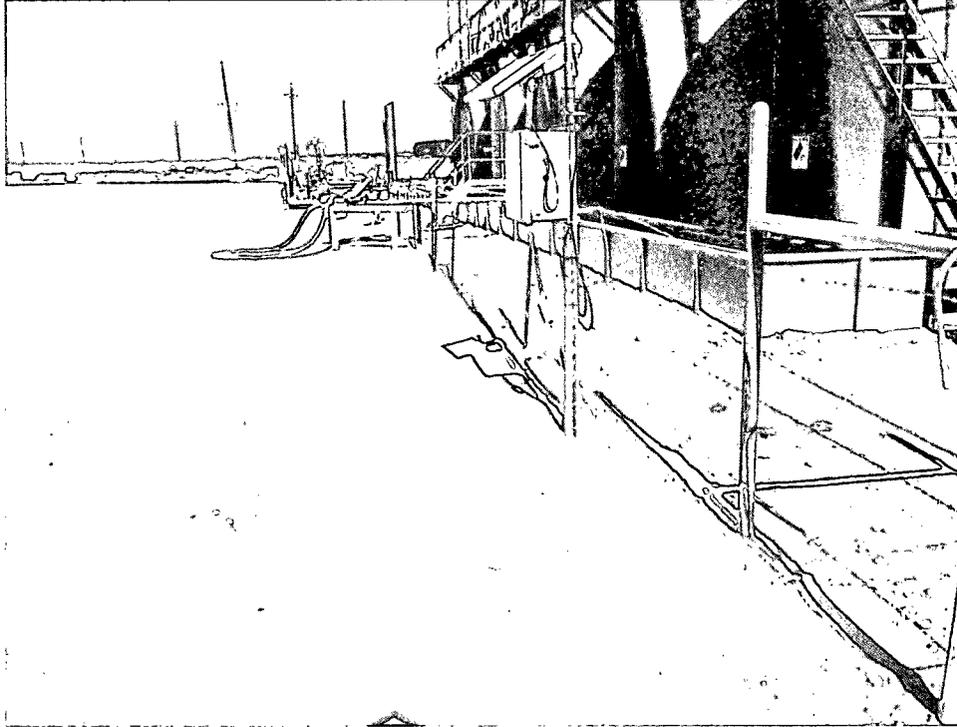
Diversified Field Services, Inc.
C.C. & Co, LLC
J & M Welding and Fabrication, Inc.
Diversified Construction

BOPCO PLU Big Sinks
14 25 30 USA #001H
2RP-1855

UL/N, Sec 14, T25S R30E
Eddy County, NM
Drafted By: A.C. Ruth, 9/30/13
Not to Scale

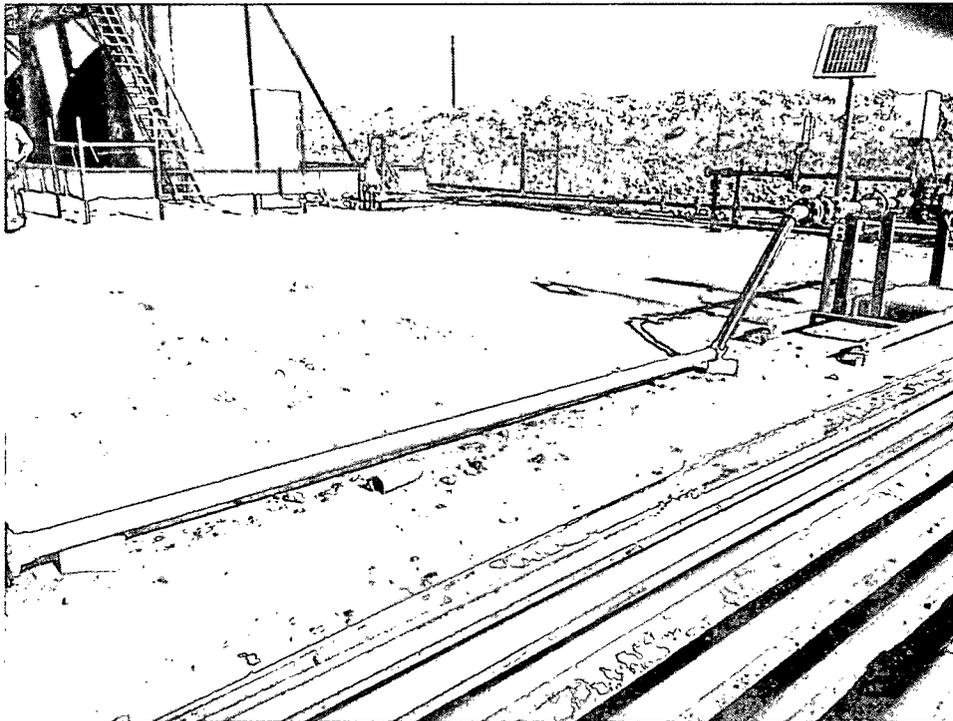
BOPCO PLU Big Sinks 14 25 30 USA #001H

Unit Letter N, Section 14, T25S R30E



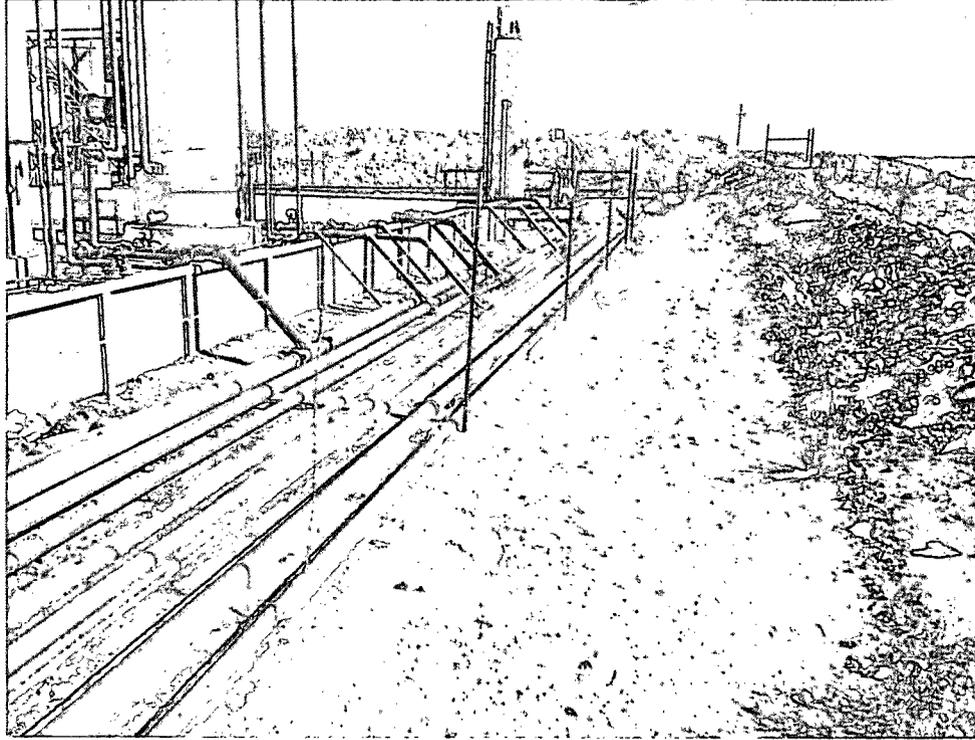
Initial stain south of tanks, facing west

8/6/13

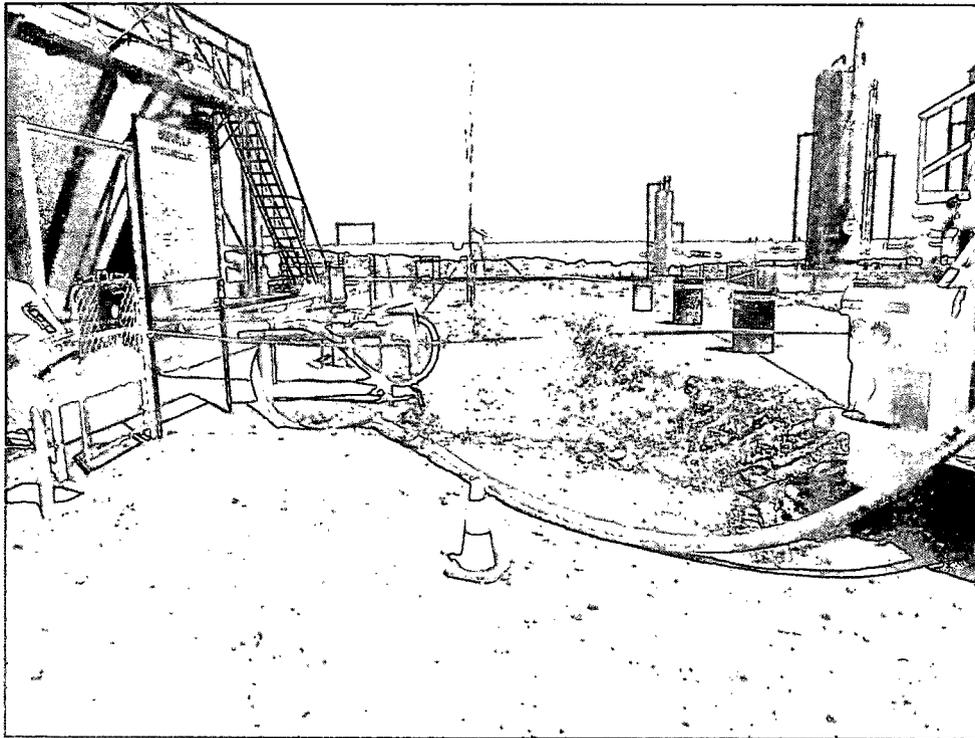


Initial stain northeast corner, facing northwest

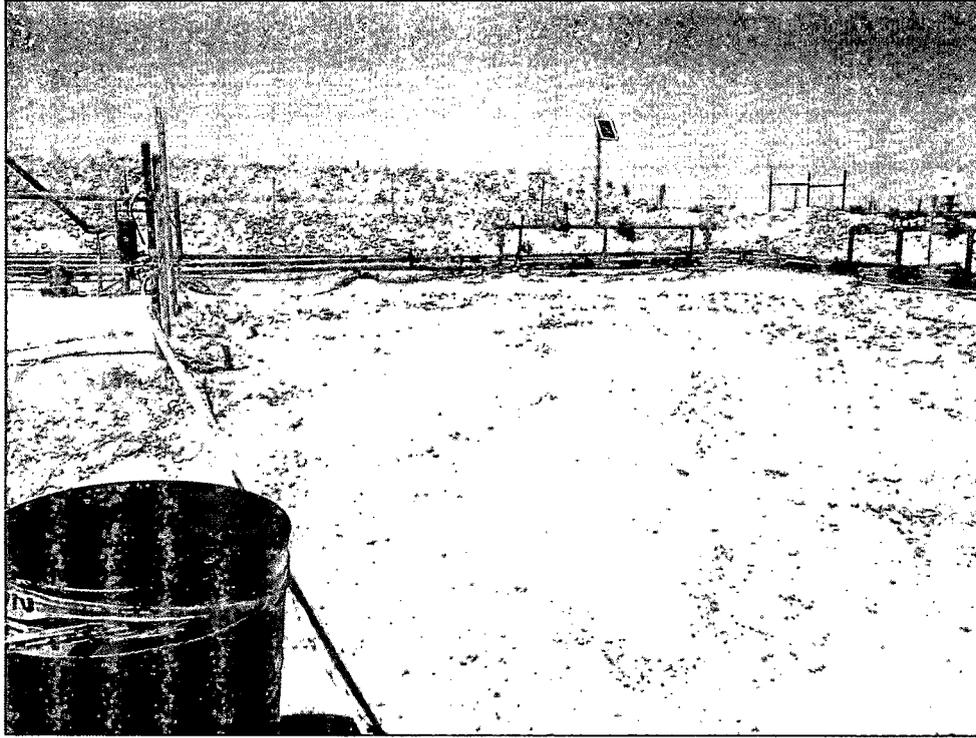
8/6/13



Initial stain east of treaters, facing north 8/6/13



Excavated 2 ft south of tanks, facing east 8/21/2013



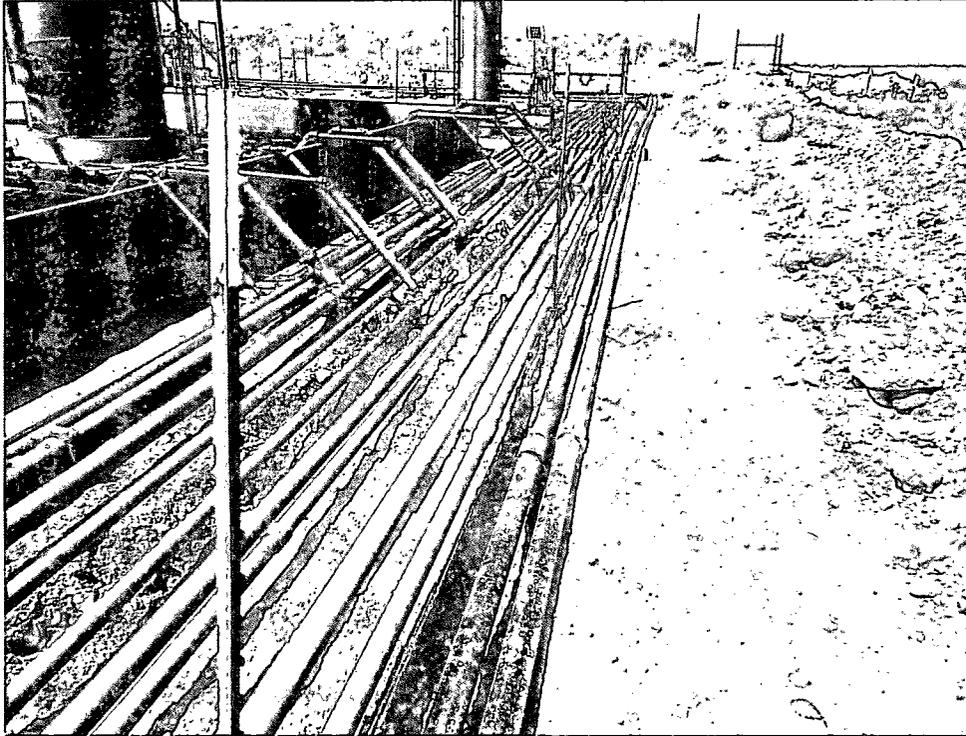
Excavated area in northeast corner 1' to 2', facing north

8/21/13



Excavated area in northeast corner 1' to 2', facing northwest

8/21/13



Excavated area 1'6" east of treaters, facing north

8/21/13



Excavated area 5" to 1' west of treaters, facing south

8/21/13

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nJMW 1323449477

1. OPERATOR Initial Report Final Report

Name of Company: BOPCO, L.P. <i>260737</i>	Contact: Jody Walters
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88260	Telephone: No. 575-887-7329
Facility Name: PLU Big Sinks 14-25-30 USA Battery	Facility: Type Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-39508
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	14	25S	30E					Eddy

Latitude N32.124358 Longitude W130.853639

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 42bbls water	Volume Recovered: 38bbls water
Source of Release: Open valve on tank	Date and Hour of Occurrence: 8/1/2013 time unknown	Date and Hour of Discovery: 8/1/2013, 4:20 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OCD Artesia Office	
By Whom? Jody Walters	Date and Hour: 8/1/2013, 6:30pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	

RECEIVED
AUG 16 2013
NMOCD ARTESIA

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* The ZH Services Inc. vacuum truck operator was pulling a load of produced water from the water tanks. He had pulled water level down below load line and disconnected the hose leaving location. He forgotten to close the valve on the tank about 1.5 hours later another truck arrived on location to haul another load of produced water. This driver closed the leaking valve and recovered the free standing fluid.

Describe Area Affected and Cleanup Action Taken.* Approximately 7400 sq.ft. of the tank battery pad was affected by the release. The free standing fluid was recovered. The spill area will be remediated in accordance to the NMOCD and BLM guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Tony Savoie</i>		OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie		Approved by Environmental Specialist:	Signed By: <i>Mike Bernice</i>
Title: Waste Management and Remediation Specialist		Approval Date: AUG 22 2013	Expiration Date:
E-mail Address: <i>tasavoie@basspet.com</i>		Conditions of Approval:	
Date: 5/5/2013	Phone: 432-556-8730	Remediation per OCD Rule & Guidelines, & like approval by BLM. SUBMIT REMEDIATION PROPOSAL NO LATER THAN:	
		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

September 22, 2013 *2RP-1855*

Bratcher, Mike, EMNRD

From: Amy Ruth <aruth@diversifiedfsi.com>
Sent: Thursday, October 17, 2013 9:23 AM
To: Bratcher, Mike, EMNRD
Cc: SJWalters@BassPet.Com; Michael Patterson; Stephen McGhee; jamos@blm.gov
Subject: 2RP-1855 Backfill
Attachments: BOPCO PLU Big Sinks 14 25 30 USA #001H - Site Diagram w Sample Data.pdf; H301932 DIVERSIFIED.pdf; H302037 DIVERSIFIED sp1,2,4.pdf

Hi Mike,

This email is in reference to our meeting with you on Friday morning 10/4/2013 for this BOPCO leak. In our discussion, we presented lab data with a plat of the site, along with a groundwater study of the area. At the conclusion of the meeting, it was decided that BOPCO has permission to backfill the excavation at PLU Big Sinks 14 25 30 USA #001H (2RP-1855). A closure report will be compiled and submitted after backfill of the site is completed. If you have any questions/concerns, please call me at the number below.

Thank you so much for your time and assistance!

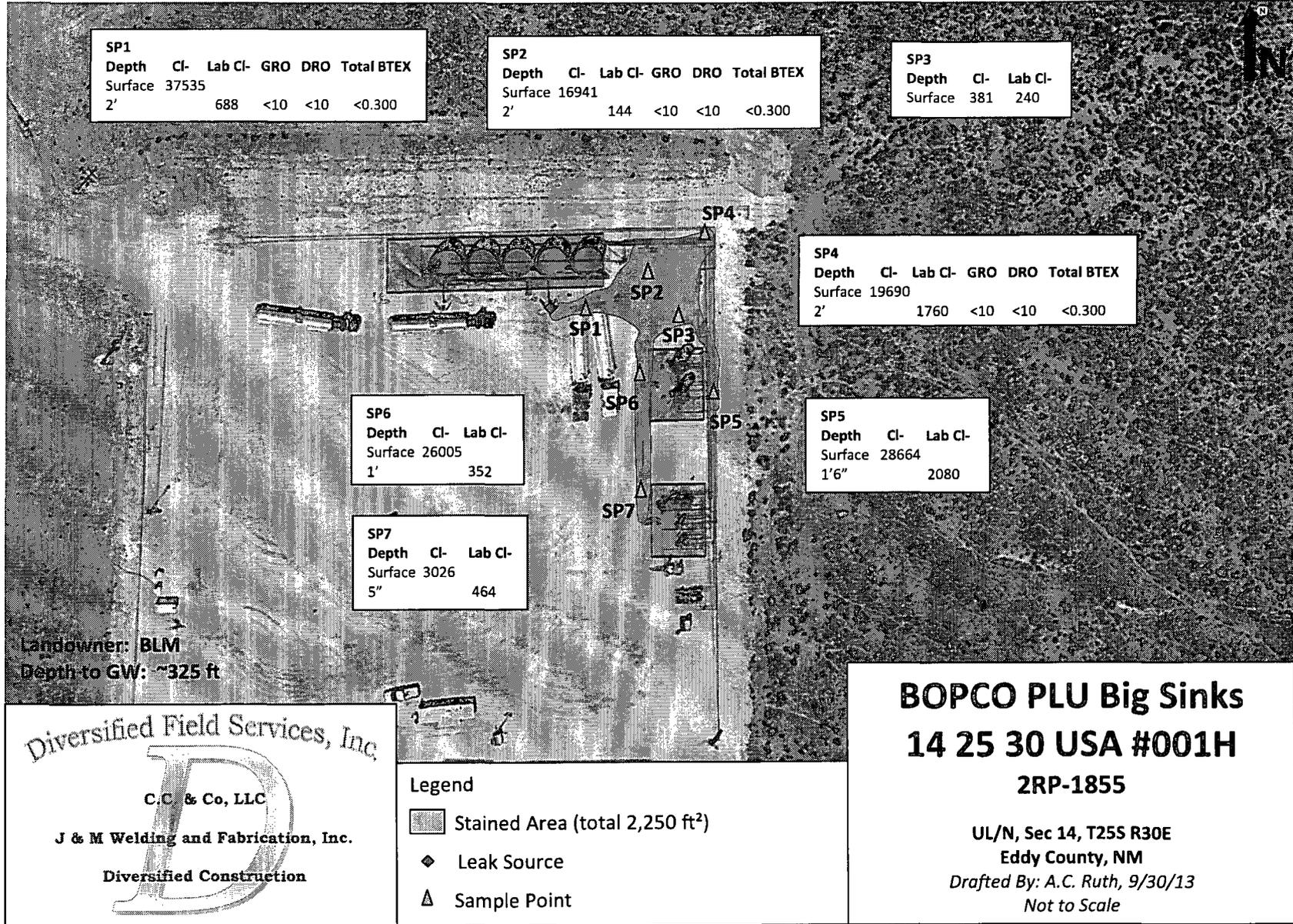
Amy C. Ruth

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315 S. Leech St.
Hobbs, NM 88240
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Site Diagram with Sample Data





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 15, 2013

AMY RUTH

DIVERSIFIED FIELD SERVICES, INC.

P. O. BOX 5966

HOBBS, NM 88241

RE: PLU BIG SINKS 14 25 30 USA #001H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/13 15:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 AMY RUTH
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	08/14/2013	Sampling Date:	08/06/2013
Reported:	08/15/2013	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 14 25 30 USA #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	MALAGA, NM		

Sample ID: SP 3 @ SURFACE (H301932-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/15/2013	ND	400	100	400	0.00		

Sample ID: SP 7 @ 5" (H301932-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	08/15/2013	ND	400	100	400	0.00		

Sample ID: SP 5 @ 1' 6" (H301932-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	08/15/2013	ND	400	100	400	0.00		

Sample ID: SP 6 @ 1' (H301932-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	08/15/2013	ND	400	100	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

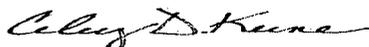
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>Diversified Field Service, Inc.</u>		BILL TO		ANALYSIS REQUEST									
Project Manager: <u>Amy Ruth</u>		P.O. #:											
Address: <u>315 S. Leech</u>		Company: <u>ZH Services</u>											
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn: <u>Joel Longoria</u>											
Phone #: <u>575-397-6437</u> Fax #:		Address: <u>4515 National Parks Hwy</u>											
Project #: Project Owner: <u>BDPCD</u>		City: <u>Carlsbad</u>											
Project Name: <u>PLU Big Sinks 14 25 30 USA #001 H</u>		State: <u>NM</u> Zip: <u>88220</u>											
Project Location: <u>Malaga, NM</u>		Phone #: <u>575-234-2028</u>											
Sampler Name: <u>Amy Ruth</u>		Fax #:											
FOR LAB USE ONLY													
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING		Chloride	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL		OTHER:
<u>H301931-</u>													
<u>01</u>	<u>SP3 @ surf</u>	<u>G</u>	<u>1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>8-10-13 10:05</u>	
<u>02</u>	<u>SP4 @ 5'</u>	<u>G</u>	<u>1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>8-8-13 10:25</u>	
<u>03</u>	<u>SP5 @ 1'6"</u>	<u>G</u>	<u>1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>8-8-13 12:00</u>	
<u>04</u>	<u>SP6 @ 1'</u>	<u>G</u>	<u>1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>8-12-13 9:04</u>	

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Relinquished By: <u>[Signature]</u>	Date: <u>8-14-13</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
	Time: <u>14:56</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:	
Relinquished By: <u>[Signature]</u>	Date: <u>8/14/13</u>	Received By: <u>[Signature]</u>	REMARKS:		
	Time: <u>3:17p</u>				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>[Signature]</u>			

#54



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 29, 2013

AMY RUTH

DIVERSIFIED FIELD SERVICES, INC.

P. O. BOX 5966

HOBBS, NM 88241

RE: PLU BIG SINKS 14 25 30 USA #001H

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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Sincerely,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

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 DIVERSIFIED FIELD SERVICES, INC.
 AMY RUTH
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	08/23/2013	Sampling Date:	08/15/2013
Reported:	08/29/2013	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 14 25 30 USA #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SP 1 @ 2' (H302037-01)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16		
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398		
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201		
Total BTEX	<0.300	0.300	08/28/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	08/29/2013	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98		
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826		
EXT DRO >C28-C35	<10.0	10.0	08/28/2013	ND						

Surrogate: 1-Chlorooctane 79.9 % 65.2-140
Surrogate: 1-Chlorooctadecane 82.4 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 AMY RUTH
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	08/23/2013	Sampling Date:	08/15/2013
Reported:	08/29/2013	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 14 25 30 USA #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SP 2 @ 2' (H302037-02)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	
Total BTEX	<0.300	0.300	08/28/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/29/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826	
EXT DRO >C28-C35	<10.0	10.0	08/28/2013	ND					

Surrogate: 1-Chlorooctane 86.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.2 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 AMY RUTH
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	08/23/2013	Sampling Date:	08/15/2013
Reported:	08/29/2013	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 14 25 30 USA #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SP 4 @ 2' (H302037-03)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16		
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398		
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201		
Total BTEX	<0.300	0.300	08/28/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 89.4-126

Chloride, 5M4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	08/29/2013	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98		
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826		
EXT DRO >C28-C35	<10.0	10.0	08/28/2013	ND						

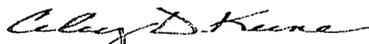
Surrogate: 1-Chlorooctane 91.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.2 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

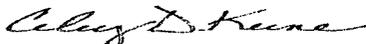
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celest D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: <u>Diversified Field Service, Inc.</u>		BILL TO		ANALYSIS REQUEST																					
Project Manager: <u>Amy Ruth</u>		P.O. #:		BTEX TPH 8015M Chloride																					
Address: <u>315 S. Leech</u>		Company: <u>ZH Services</u>																							
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn: <u>Joel Longoria</u>																							
Phone #: <u>575-397-6437</u> Fax #:		Address: <u>4515 National Parks Hwy</u>																							
Project #: Project Owner: <u>BOPCO</u>		City: <u>Carlsbad</u>																							
Project Name: <u>PLU Big Sinks 14 25 30 USA #001 H</u>		State: <u>NM</u> Zip: <u>88220</u>																							
Project Location: <u>Malaga NM</u>		Phone #: <u>575-234-2028</u>																							
Sampler Name: <u>Amy Ruth</u>		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS											MATRIX					PRESERV.		SAMPLING				
		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
<u>H302037</u>																									
	<u>1 SP1 @ 2'</u>	<u>G</u>	<u>1</u>						<input checked="" type="checkbox"/>		<u>8-15-13</u>	<u>1500</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
	<u>2 SP2 @ 2'</u>	<u>G</u>	<u>1</u>						<input checked="" type="checkbox"/>		<u>8-15-13</u>	<u>1515</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
	<u>3 SP4 @ 2'</u>	<u>G</u>	<u>1</u>						<input checked="" type="checkbox"/>		<u>8-15-13</u>	<u>1600</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										

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Relinquished By: <u>[Signature]</u>	Date: <u>8-23-13</u> Time: <u>1515</u>	Received By: <u>Jodi Henson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: <u>[Signature]</u>	
REMARKS: <u>email</u> <u>sjwalters@BassPet.Com</u> <u>aruth@diversifiedfsi.com</u>				

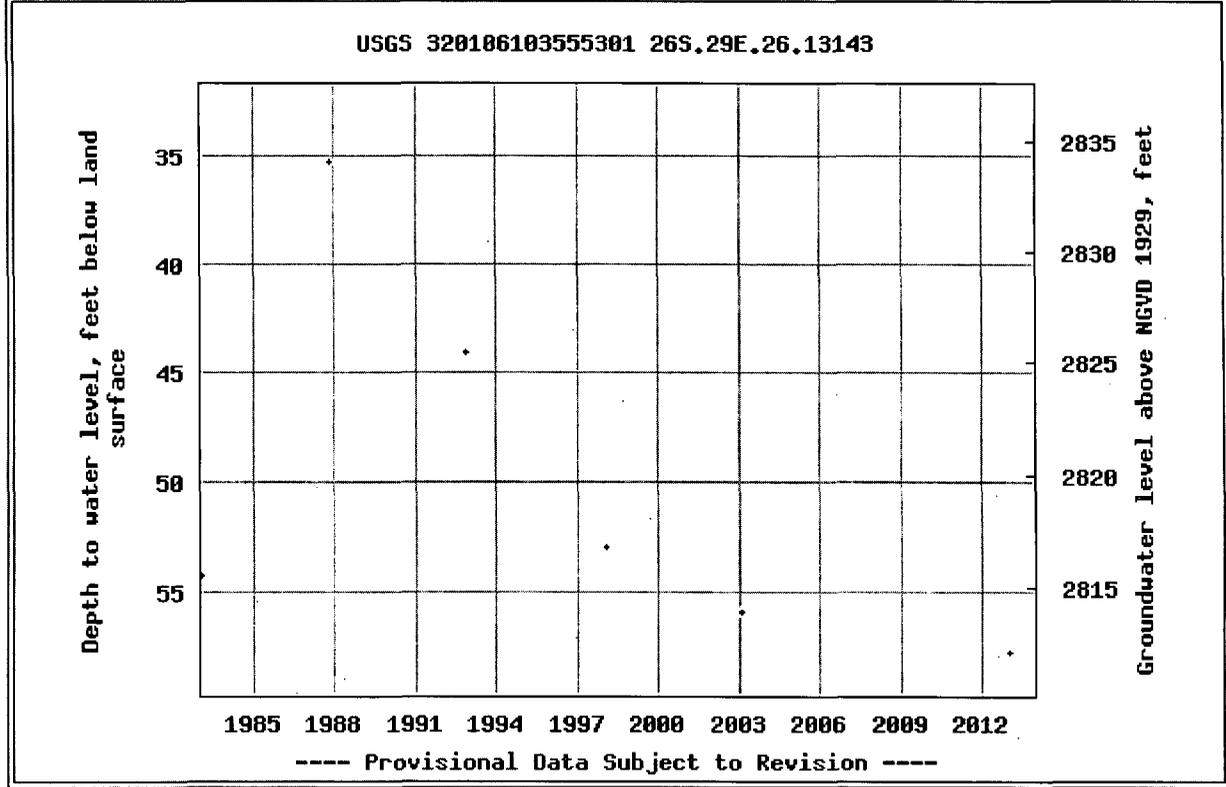
† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326
 #54

USGS 320106103555301 26S.29E.26.13143

Available data for this site

Groundwater: Field measurements

<p>Eddy County, New Mexico Hydrologic Unit Code -- Latitude 32°00'51.3", Longitude 103°57'42.0" NAD83 Land-surface elevation 2,869.60 feet above NGVD29 The depth of the well is 140 feet below land surface. This well is completed in the Rustler Formation (312RSLR) local aquifer.</p>	<p>Output formats</p> <p><input type="button" value="Table of data"/></p> <p><input type="button" value="Tab-separated data"/></p> <p><input type="button" value="Graph of data"/></p> <p><input type="button" value="Reselect period"/></p>
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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE)
closed) (quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00349	C	CUB	ED	1	3	18	24S	29E	591401	3564773*		2734		
C 00381	C	C	ED	3	2	3	07	24S	29E	591682	3566297*		2797	
C 00463		C	ED	4	4	4	17	24S	29E	594332	3564282*		260	4 256
C 00856			ED	1	2	4	30	24S	29E	592538	3561644*		380	
C 00857			ED	3	1	4	30	24S	29E	592135	3561440*		306	
C 00862			ED	1	2	4	30	24S	29E	592538	3561644*		155	
C 00863			ED	3	3	1	16	24S	29E	594524	3565091*		220	
C 00863 CLW199506	O		ED	3	3	1	16	24S	29E	594524	3565091*		220	
C 02713		C	ED	4	4	1	16	24S	29E	591633	3565944		230	18 212

Average Depth to Water: **11 feet**

Minimum Depth: **4 feet**

Maximum Depth: **18 feet**

Record Count: 9

PLSS Search:

Township: 24S

Range: 29E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source			X	Y				
									q	q	q						
C 00463	C	PRO	0	U.S. GEOLOGICAL SURVEY	ED	C 00463			Shallow	4	4	4	17	24S	29E	594332	3564282*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW.2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:

POD Number: C 00463

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q			X	Y			
										64	16	4					
C 02713		IND	645	RED BLUFF WATER POWER CONTROL DISTRICT	ED	C 02713			Shallow	4	4	1	16	24S	29E	591633	3565944
C 03360	C	PRO	0	REEF EXPLORATION	ED	C 02713			Shallow	4	4	1	16	24S	29E	591633	3565944

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 2

POD Search:

POD Number: C 02713

Usage Filter:

Use: All Usages

Sorted by: File Number

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column	
C 02108			ED	1	3	08	24S	30E	602702	3566487*		200	186	14	
C 02109			ED	1	2	4	19	24S	30E	602130	3563412		130	150	-20
C 02110			ED	4	3	23	24S	30E	608036	3562950*		600	400	200	
C 02780			ED	2	3	2	23	24S	30E	608535	3563857*		505		
C 02781			ED	4	3	2	23	24S	30E	608535	3563657*		624		
C 02782			ED	4	3	2	23	24S	30E	608535	3563657*		808		
C 03558 POD1	C		ED	1	2	2	25	24S	30E	610442	3562615		50		
C 03558 POD2	C		ED	1	2	2	25	24S	30E	610442	3562615		50		
C 03558 POD3	C		ED	1	2	2	25	24S	30E	610442	3562615		50		
C 03558 POD4	C		ED	1	2	2	25	24S	30E	610442	3562615		50		
C 03558 POD5	C		ED	1	2	2	25	24S	30E	610442	3562615		50		

Average Depth to Water: **245 feet**

Minimum Depth: **150 feet**

Maximum Depth: **400 feet**

Record Count: 11

PLSS Search:

Township: 24S

Range: 30E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q	q	q	Sec	Tws	Rng	X	Y
C 02108		STK	3	A PARTNERSHIP M&M CATTLE CO	ED	C 02108			6416 4	1	3	08	24S	30E	602702	3566487*	

Record Count: 1

POD Search:

POD Number: C 02108

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source			X		Y			
								q	q	q	6416	4	Sec	Tws	Rng	602130
C 02109		STK	3	TYSON MAHAFFEY	ED	C 02109		1	2	4	19	24S	30E	602130	3563412	
C 03616	C	PRO	0	CONCHO OIL & GAS	ED	C 02109		1	2	4	19	24S	30E	602130	3563412	

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 2

POD Search:

POD Number: C 02109

Sorted by: File Number

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source				X	Y		
									q	q	q	q				
C 02110	STK		3	CLARENCE W. MCDONALD	ED	C 02110			6416 4	4	3	23	24S	30E	608036	3562950*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:

POD Number: C 02110

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q Q Q				X	Y	Depth Well	Depth Water	Water Column		
				64	16	4	Sec						Tws	Rng
<u>C 02405</u>	C	ED		4	1	02	24S	31E	617690	3568631*	275	160	115	
<u>C 02440</u>	C	ED		2	3	10	24S	31E	616103	3566599*	350			
<u>C 02460</u>	C	ED		3	02		24S	31E	617496	3568022*	320			
<u>C 02460 POD2</u>	C	ED		3	02		24S	31E	617496	3568022*	320			
<u>C 02464</u>	C	ED		3	4	1	02	24S	31E	617589	3568530*	320	205	115
<u>C 02661</u>		ED		3	3	1	04	24S	31E	613969	3568485*	708		
<u>C 02783</u>	CUB	ED		3	3	1	04	24S	31E	613911	3568461	708		
<u>C 02783 POD2</u>	C	ED		3	3	1	04	24S	31E	613911	3568461	672		
<u>C 02784</u>	C	ED		4	2	4	04	24S	31E	613911	3568461	584		
<u>C 02785</u>		ED		3	3	1	04	24S	31E	613969	3568485*	692		

Average Depth to Water: **182 feet**

Minimum Depth: **160 feet**

Maximum Depth: **205 feet**

Record Count: 10

PLSS Search:

Township: 24S

Range: 31E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion (acre ft per annum)	Owner	County	POD Number	Code Grant	Source	q q q			X	Y		
									6416	4	Sec			Tws	Rng
C 00225 A	IRR		8.4	GREGORY ROCKHOUSE RANCH	ED	C 02405		Shallow	4	1	02	24S	31E	617690	3568631*
C 01246 AO	IRR		47.82	CATHLEEN MC INTIRE	ED	C 02405		Shallow	4	1	02	24S	31E	617690	3568631*
C 02405	C	PRO	0	TEXACO EXPLORATION & PROD. IND	ED	C 02405		Shallow	4	1	02	24S	31E	617690	3568631*
C 02452	C	PRO	0	TEXACO EXPLORATION & PROD INC.	ED	C 02405		Shallow	4	1	02	24S	31E	617690	3568631*
C 02576	C	PRO	0	SONAT EXPLORATION COMPANY	ED	C 02405		Shallow	4	1	02	24S	31E	617690	3568631*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 5

POD Search:

POD Number: C 02405

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub	basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	6416 4	Sec	Tws	Rng	X	Y	
C 02464		C	PRO	0	COMMISSIONER OF PUBLIC LANDS	ED	C 02464			Shallow	3	4	1	02	24S	31E	617589 3568530*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:

POD Number: C 02464

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE)

closed) (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01337	C	ED		2	1	30	25S	29E		591926	3552642*	180	30	150
C 01880	C	ED		3	3	2	06	25S	29E	592161	3558605*	85	40	45
C 02371	C	ED		2	3	15	25S	29E		596741	3555106*	200	60	140
C 02459	C	ED		4	4	1	02	25S	29E	598422	3558663*	150		
C 02518	C	ED		3	4	08	25S	29E		593895	3556300*	462		
C 02680	C	ED		2	3	15	25S	29E		596741	3555106*	200		
RA 07162 EXP2		ED		1	3	1	10	25S	29E	596214	3557222*	55	40	15

Average Depth to Water: **42 feet**

Minimum Depth: **30 feet**

Maximum Depth: **60 feet**

Record Count: 7

PLSS Search:

Township: 25S

Range: 29E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	6416	4	Sec	Tws	Rng	X	Y
C 01337	C	STK		3 JAMES NYMEYER	ED	C 01337		Shallow	2	1	30	25S	29E	591926	3552642*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:

POD Number: C 01337

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub	basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	6416	4	Sec	Tws	Rng	X	Y	
C 01880	C	PRO		0	GULF OIL CORPORATION	ED	C 01880			Shallow	3	3	2	06	25S	29E	592161	3558605*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:

POD Number: C 01880

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q				X	Y	
										6416	4	Sec	Tws			Rng
C 02371	C	STK	3	TRAN KING & WESTERN COMM. BANK	ED	C 02371			Shallow	2	3	15	25S	29E	596741	3555106*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:

POD Number: C 02371

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	6416 4	Sec	Tws	Rng	X	Y	
RA 07162		DOM		0 AMERICAN GROUNDWATER CONSULT.	ED	RA 07162 EXP2		Shallow	1	3	1	10	25S	29E	596214 3557222*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:

POD Number: RA 07162 EXP2

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q Q Q	64 16 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water Column
C 01379	C	ED	4 4 3	10	25S	30E	606571	3556355*			400	

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

PLSS Search:

Township: 25S

Range: 30E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin Use Diversion Owner	County	POD Number	Code Grant	Source	q q q			X	Y
						6416 4	Sec	Tws Rng		
C 01379	C STK 3 BUCK JACKSON	ED	C 01379		6416 4	4 4 3	10 25S	30E	606571	3556355*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:

POD Number: C 01379

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q Q Q				Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
				64	16	4	Sec							
C 02250			ED	3	1	4	21	25S	31E	614912	3553620*	400	390	10
C 02568			ED	4	3	1	01	25S	31E	619103	3558892*	1025		
C 02569			ED	4	4	2	02	25S	31E	618699	3558891*	1016		
C 02570			ED	4	2	4	02	25S	31E	618704	3558489*	895		
C 02571			ED	4	1	2	02	25S	31E	618292	3559294*	860		
C 02572			ED	4	2	2	02	25S	31E	618695	3559294*	852		
C 02573			ED	1	4	2	02	25S	31E	618499	3559091*			
C 02574			ED	1	1	2	02	25S	31E	618092	3559494*			

Average Depth to Water: **390 feet**

Minimum Depth: **390 feet**

Maximum Depth: **390 feet**

Record Count: 8

PLSS Search:

Township: 25S

Range: 31E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q			X	Y
										6416	4	4		
C 02250	STK		3	BUCK JACKSON TRUST	ED	C 02250			3 1 4	21	25S	31E	614912	3553620*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:

POD Number: C 02250

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE)

closed) (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-Code	basin	County	Q Q Q				Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
				64	16	4	Sec							
C 01354 X-3	C	ED		2	1	3	23	26S	29E	598323	3543837	170		
C 02038	C	ED		3	2	4	26	26S	29E	599204	3541992*	200		
C 03507 POD1	C	ED		1	3	3	05	26S	29E	593064	3548313	140	78	62
C 03508 POD1	C	ED		1	3	3	05	26S	29E	593063	3548361	140	75	65

Average Depth to Water: **76 feet**

Minimum Depth: **75 feet**

Maximum Depth: **78 feet**

Record Count: 4

PLSS Search:

Township: 26S

Range: 29E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01360	C	ED		4	3	3	05	26S	30E	602997	3548152	770	173	597
C 01361		ED		3	4	3	05	26S	30E	603240	3548157	775	184	591
C 02165	C	ED					24	26S	30E	610036	3544121*	440	180	260
C 03483	C	ED		4	4	4	05	26S	30E	604296	3548251	700	200	500

Average Depth to Water: **184 feet**

Minimum Depth: **173 feet**

Maximum Depth: **200 feet**

Record Count: 4

PLSS Search:

Township: 26S

Range: 30E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	(quarters are 1=NW 2=NE 3=SW 4=SE)				X	Y		
									q	q	q	q				
<u>C 01360</u>	IND		0	EL PASO NATURAL GAS	ED	<u>C 01360</u>		Shallow	4	3	3	05	26S	30E	602996	3548152
<u>C 03448</u>	C	PRO	0	DEVON ENERGY CORP.	ED	<u>C 01360</u>		Shallow	4	3	3	05	26S	30E	602996	3548152
<u>C 03449</u>	C	PRO	0	OGX RESOURCES	ED	<u>C 01360</u>		Shallow	4	3	3	05	26S	30E	602996	3548152

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 3

POD Search:

POD Number: C 01360

Sorted by: File Number

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	6416 4	Sec	Tws	Rng	X	Y
C 01361	IND			0 EL PASO NATURAL GAS	ED	C 01361		Shallow	3	4	3	05 26S 30E	603240	3548157

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:

POD Number: C 01361

Sorted by: File Number

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	6416 4	Sec	Tws	Rng	X	Y
C 02165	C	PRO	0	GRACE OIL	ED	C 02165		Shallow		24	26S	30E	610036	3544121*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

q q q

Record Count: 1

POD Search:

POD Number: C 02165

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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8/4/13 5:32 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File-Nbr	Sub-basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q			X	Y			
										64	16	4			Sec	Tws	Rng
C 03483				0 BUREAU OF LAND MANAGEMENT	ED	C 03483			Shallow	4	4	4	05	26S	30E	604296	3548251
C 03501	C	PRO		0 DEVON ENERGY CO.	ED	C 03483			Shallow	4	4	4	05	26S	30E	604296	3548251
C 03502	C	PRO		0 DEVON ENERGY CO.	ED	C 03483			Shallow	4	4	4	05	26S	30E	604296	3548251
C 03503	C	PRO		0 DEVON ENERGY CO.	ED	C 03483			Shallow	4	4	4	05	26S	30E	604296	3548251

(R=POD has been replaced
and no longer serves this file,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 4

POD Search:

POD Number: C 03483

Sorted by: File Number

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,

O=orphaned,

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE)

closed) (quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Range	X	Y	Depth Well	Depth Water	Water Column
C 01777	C	ED					08	26S	31E	613245	3547409*	325	300	25
C 02090		ED		4	4	01		26S	31E	620329	3548533*	350	335	15
C 02248		ED		1	2	3	08	26S	31E	612942	3547316*	300	292	8
C 02249		ED		1	2	3	08	26S	31E	612942	3547316*	300	292	8
C 03554 POD1	C	ED		2	1	4	01	26S	31E	620077	3549022	1000		

Average Depth to Water: **304 feet**

Minimum Depth: **292 feet**

Maximum Depth: **335 feet**

Record Count: 5

PLSS Search:

Township: 26S

Range: 31E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q	q	q	Sec	Tws	Rng	X	Y
C 01777	C	DOL	3	BUCK JACKSON	ED	C 01777			Shallow	6416	4		08	26S	31E	613245	3547409*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:

POD Number: C 01777

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	q	q	q	Sec	Tws	Rng	X	Y
C 02090	DOM		3	MALCOM R. MADERA	ED	C 02090		6416 4	4	4	01	26S	31E	620329	3548533*	

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

(acre ft per annum)

Record Count: 1

POD Search:

POD Number: C 02090

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source			X	Y		
								q	q	q				
C 02248	STK		3	BUCK JACKSON TRUST	ED	C 02248		6416	4	08	26S	31E	612942	3547316*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:

POD Number: C 02248

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	q	q	q	Sec	Tws	Rng	X	Y
C 02249	STK	3	BUCK JACKSON TRUST	ED	C 02249			6416 4	1	2	3	08	26S	31E	612942	3547316*

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

Record Count: 1

POD Search:
 POD Number: C 02249

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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Bratcher, Mike, EMNRD

From: Amy Ruth <aruth@diversifiedfsi.com>
Sent: Tuesday, March 04, 2014 10:38 AM
To: Bratcher, Mike, EMNRD
Subject: 2RP-1855 Backfill - CLOSURE
Attachments: BOPCO PLU Big Sinks 14 25 30 USA #001H - Site Diagram w Sample Data.pdf; H301932 DIVERSIFIED.pdf; H302037 DIVERSIFIED sp1,2,4.pdf

Importance: High

Hey Mike,

We had our discussion about this site with you, and were given permission to backfill. Do we need to go to your office to also close it? I can get the report to you now (data being all the same), but wanted to know if we could, in this case, save us all a bit of time. I know that is something we all could do with right now! Please let me know and I'll get the bound report to you. I'll call you soon. As always, thank you for your help!

From: Amy Ruth
Sent: Thursday, October 17, 2013 9:22 AM
To: Mike Bratcher (mike.bratcher@state.nm.us)
Cc: SJWalters@BassPet.Com; Michael Patterson; Stephen McGhee - Diversified Field Service, Inc. (smcghee@diversifiedfsi.com); jamos@blm.gov
Subject: 2RP-1855 Backfill

Hi Mike,

This email is in reference to our meeting with you on Friday morning 10/4/2013 for this BOPCO leak. In our discussion, we presented lab data with a plat of the site, along with a groundwater study of the area. At the conclusion of the meeting, it was decided that BOPCO has permission to backfill the excavation at PLU Big Sinks 14 25 30 USA #001H (2RP-1855). A closure report will be compiled and submitted after backfill of the site is completed. If you have any questions/concerns, please call me at the number below.

Thank you so much for your time and assistance!

Amy C. Ruth

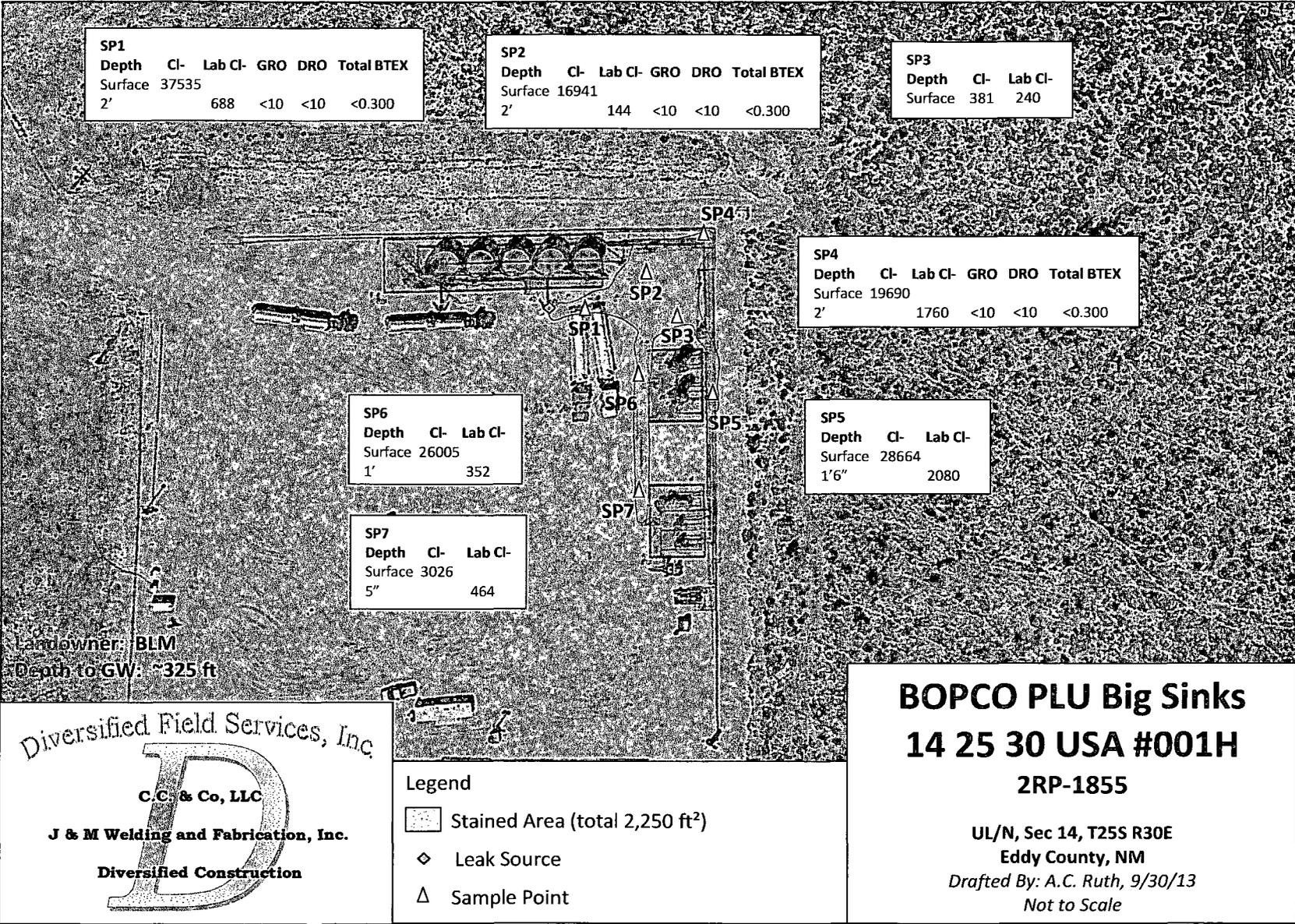
Diversified Field Services, Inc.
315 S. Leech St.
Hobbs, NM 88240
Office: (575)397-6437
Mobile: (575)390-5454
Fax: (575)393-2981

"Nothing will work unless you do." -Maya Angelou

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Site Diagram with Sample Data





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 15, 2013

AMY RUTH

DIVERSIFIED FIELD SERVICES, INC.

P. O. BOX 5966

HOBBS, NM 88241

RE: PLU BIG SINKS 14 25 30 USA #001H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/13 15:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 AMY RUTH
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	08/14/2013	Sampling Date:	08/06/2013
Reported:	08/15/2013	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 14 25 30 USA #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	MALAGA, NM		

Sample ID: SP 3 @ SURFACE (H301932-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/15/2013	ND	400	100	400	0.00		

Sample ID: SP 7 @ 5" (H301932-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	08/15/2013	ND	400	100	400	0.00		

Sample ID: SP 5 @ 1' 6" (H301932-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	08/15/2013	ND	400	100	400	0.00		

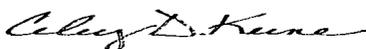
Sample ID: SP 6 @ 1' (H301932-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	08/15/2013	ND	400	100	400	0.00		

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

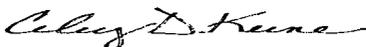
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: <u>Diversified Field Service, Inc.</u>		BILL TO		ANALYSIS REQUEST									
Project Manager: <u>Amy Ruth</u>		P.O. #:		Chloride									
Address: <u>315 S. Leech</u>		Company: <u>ZH Services</u>											
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn: <u>Joel Longoria</u>											
Phone #: <u>575-397-6437</u> Fax #:		Address: <u>4515 National Parks Hwy</u>											
Project #: Project Owner: <u>BDPCD</u>		City: <u>Carlsbad</u>											
Project Name: <u>PLU Big Sinks 14 25 30 USA #001 H</u>		State: <u>NM</u> Zip: <u>88220</u>											
Project Location: <u>Malaga, NM</u>		Phone #: <u>575-234-2028</u>											
Sampler Name: <u>Amy Ruth</u>		Fax #:											
FOR LAB USE ONLY													
Lab I.D.	Sample I.D.	(C)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING			
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME
<u>H301931-</u>													
<u>01</u>	<u>SP3 @ surf</u>	<u>G 1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>8-6-13</u>	<u>10:05</u>	
<u>02</u>	<u>SP7 @ 5'</u>	<u>G 1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>8-8-13</u>	<u>10:25</u>	
<u>03</u>	<u>SP5 @ 1'6"</u>	<u>G 1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>8-8-13</u>	<u>12:00</u>	
<u>04</u>	<u>SP6 @ 1'</u>	<u>G 1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>8-12-13</u>	<u>9:04</u>	

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Relinquished By: <u>[Signature]</u>	Date: <u>8-14-13</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <u>[Signature]</u>	Date: <u>8-14-13</u>	Received By: <u>[Signature]</u>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Time: <u>14:56</u>	Time: <u>3:17p</u>	REMARKS:	
	Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) <u>[Signature]</u>		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 29, 2013

AMY RUTH
DIVERSIFIED FIELD SERVICES, INC.
P. O. BOX 5966
HOBBS, NM 88241

RE: PLU BIG SINKS 14 25 30 USA #001H

Enclosed are the results of analyses for samples received by the laboratory on 08/23/13 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 AMY RUTH
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	08/23/2013	Sampling Date:	08/15/2013
Reported:	08/29/2013	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 14 25 30 USA #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SP 1 @ 2' (H302037-01)

BTEX 8021B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	
Total BTEX	<0.300	0.300	08/28/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/29/2013	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826	
EXT DRO >C28-C35	<10.0	10.0	08/28/2013	ND					

Surrogate: 1-Chlorooctane 79.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.4 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 AMY RUTH
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	08/23/2013	Sampling Date:	08/15/2013
Reported:	08/29/2013	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 14 25 30 USA #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SP 2 @ 2' (H302037-02)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16		
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398		
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201		
Total BTEX	<0.300	0.300	08/28/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 107% 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/29/2013	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98		
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826		
EXT DRO >C28-C35	<10.0	10.0	08/28/2013	ND						

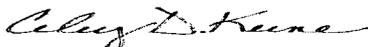
Surrogate: 1-Chlorooctane 86.3% 65.2-140

Surrogate: 1-Chlorooctadecane 88.2% 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DIVERSIFIED FIELD SERVICES, INC.
 AMY RUTH
 P. O. BOX 5966
 HOBBS NM, 88241
 Fax To: (575) 393-2981

Received:	08/23/2013	Sampling Date:	08/15/2013
Reported:	08/29/2013	Sampling Type:	Soil
Project Name:	PLU BIG SINKS 14 25 30 USA #001H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA, NM		

Sample ID: SP 4 @ 2' (H302037-03)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16		
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398		
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201		
Total BTEX	<0.300	0.300	08/28/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	08/29/2013	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98		
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826		
EXT DRO >C28-C35	<10.0	10.0	08/28/2013	ND						

Surrogate: 1-Chlorooctane 91.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.2 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

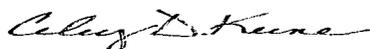
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>Diversified Field Service, Inc.</u>		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Amy Ruth</u>		P.O. #:													
Address: <u>315 S. Leech</u>		Company: <u>ZH Services</u>													
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn: <u>Joel Longoria</u>													
Phone #: <u>575-397-6437</u> Fax #:		Address: <u>4515 National Parks Hwy</u>													
Project #: Project Owner: <u>BOPCO</u>		City: <u>Carlsbad</u>													
Project Name: <u>PLU Big Sinks 142530 USA #001 H</u>		State: <u>NM</u> Zip: <u>88220</u>													
Project Location: <u>Malaga NM</u>		Phone #: <u>575-234-2028</u>													
Sampler Name: <u>Amy Ruth</u>		Fax #:													
FOR LAB USE ONLY												<u>BTEX</u> <u>TPH 8015-M</u> <u>Chloride</u>			
Lab I.D.	Sample I.D.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:			DATE	TIME
<u>H302037</u>															
<u>1</u>	<u>SP1 @ 2'</u>	<u>G 1</u>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<u>8-15-13</u>	<u>1500</u>		
<u>2</u>	<u>SP2 @ 2'</u>	<u>G 1</u>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<u>8-15-13</u>	<u>1515</u>		
<u>3</u>	<u>SP4 @ 2'</u>	<u>G 1</u>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<u>8-15-13</u>	<u>1600</u>		

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>[Signature]</u>	Date: <u>8-23-13</u>	Received By: <u>Joel Henson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
	Time: <u>1515</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:	
Relinquished By:	Date:	Received By:	REMARKS: <u>email</u> <u>STWalters@BassPet.Conn</u> <u>aruth@diversifiedfsi.com</u>		
	Time:				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <u>[Signature]</u>		