

BOPCO

PLU Big Sinks 14-25-30 USA #001H

CLOSURE REPORT

2RP-1855-0

API No. 30-015-39508

Release Date: 8/1/2013

Unit Letter N, Section 14, Township 25 South, Range 30 East

December 17, 2013

Prepared by:

Environmental Department
Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
Phone: (575)964-8394
Fax: (575)393-8396

Table of Contents

- 1 Introduction
- 2 Site Activities
- 3 Conclusion

Figure – Site Diagram with Sample Data

APPENDICES

Appendix I – Initial Form C-141

Appendix II – Site Photographs

Appendix III – Groundwater Data

Appendix IV – Laboratory Analyses

PLU Big Sinks 14-25-30 #001H USA Battery

1 INTRODUCTION

Bass Enterprises Production Company (Bopco) has retained Diversified Field Service, Inc. (DFSI) to address environmental issues for the site detailed herein.

The site is located southeast of Carlsbad, NM, in Eddy County. The site resulted from driver disconnecting the hose from the water tanks leaving a valve open. This resulted in 42 bbls of produced water impacting approximately 7400 sq. ft. of tank battery pad. The valve was closed, and approximately 38 bbls of produced water was recovered. An initial form C-141 was submitted to the NMOCD on August 16, 2013. (Appendix I).

2 SITE ACTIVITIES

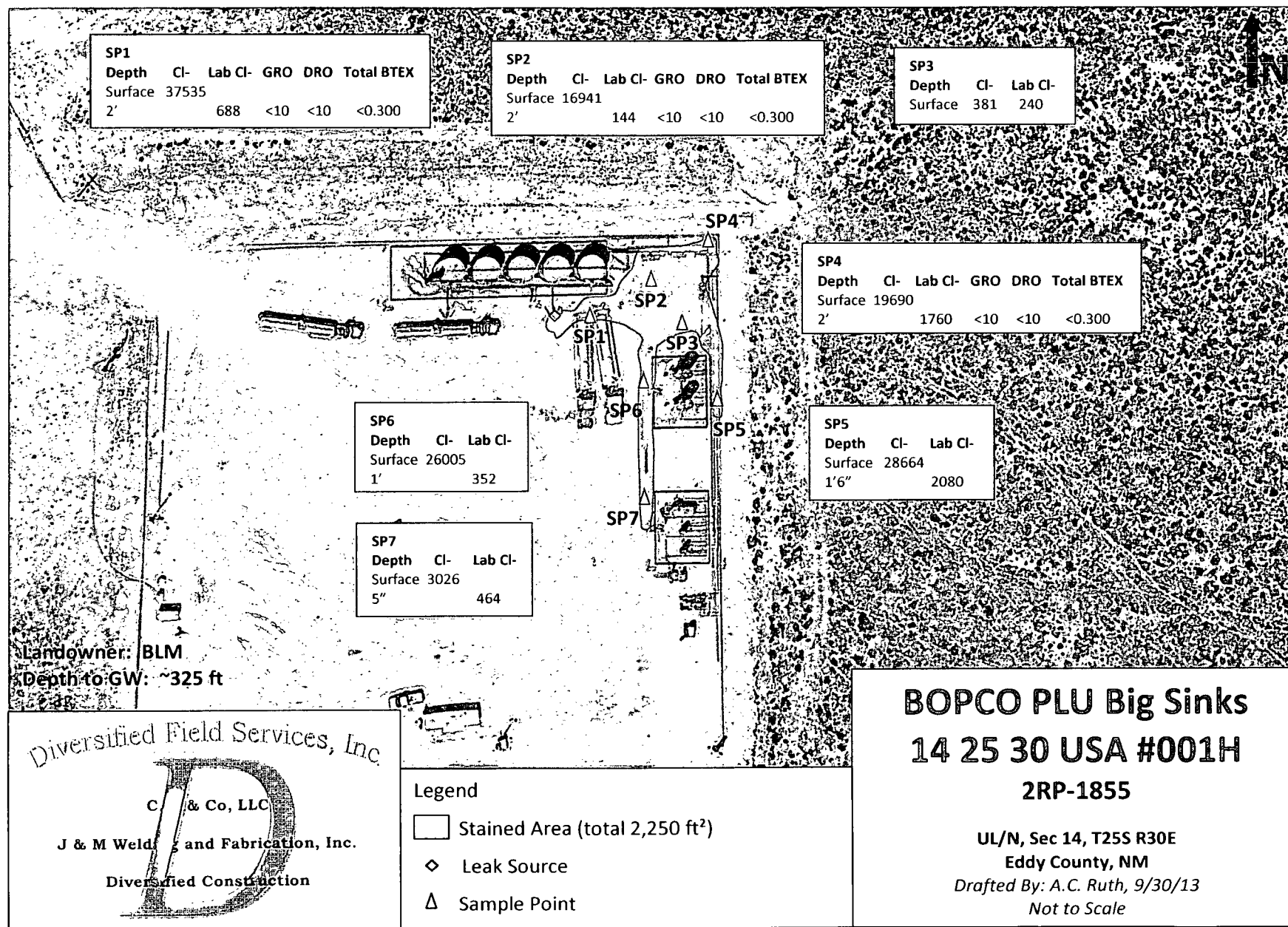
On August 6, 2013 DFSI personnel collected soil samples from the site, simultaneously with excavation activities (Figure). The samples were field screened for chloride. SP3 (sample point) field tested at 370 mg/kg, therefore no further excavation was conducted at that sample point. The remaining sample points ranged from 3,026 mg/kg to 37,535 mg/kg. chlorides at surface. Samples were submitted to a commercial laboratory for chloride, TPH (GRO/DRO), and BTEX analyses (Appendix IV). DFSI personnel returned again to those points, utilizing a backhoe to collect final samples at 2 feet below ground surface (bgs) at which point chloride decreased to a range of 144 mg/kg to 2080 mg/kg respectively. At SP4 and SP5 chlorides were 1760 mg/kg and 2080 mg/kg respectively. Due to the fact that these sample points were located below flow lines the NMOCD gave allowance for the elevated chloride levels at these points.

ZH Services, Inc. excavated the site 5 "to 2 feet bgs. Impacted soils were removed to a NMOCD approved disposal facility. On October 04, 2013 NMOCD granted permission for the site to be backfilled with caliche. The site was bladed and leveled. Photographs of site activities can be viewed in Appendix II.

3 CONCLUSION

According to the U.S. Geological Survey and the NM Office of the State Engineer, depth to groundwater within two miles of the site is approximately 325 ft. bgs (Appendix III). Based on the removal of soils containing elevated chloride and visual staining; Bopco respectfully requests the closure of the regulatory file for the site.

Site Diagram with Sample Data



Appendix I

INITIAL FORM C-141

Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
(575) 964-8394

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

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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
------------------------	------------------------	----------------------

LOCATION OF RELEASE

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

Latitude N32.124358 Longitude W130.853639

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 42bbbls water	Volume Recovered: 38bbbls 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	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED
AUG 16 2013
NMOCD ARTESIA

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: <i>Mike Brown</i>	
Title: Waste Management and Remediation Specialist		Approval Date: AUG 22 2013	
E-mail Address: <i>tasavoie@basspet.com</i>		Expiration Date:	
Date: 5/5/2013		Conditions of Approval:	
Phone: 432-556-8730		Remediation per OCD Rule & Guidelines, & like approval by BLM. SUBMIT REMEDIATION	
		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

PROPOSAL NO LATER THAN:
September 22, 2013

2RP-1855

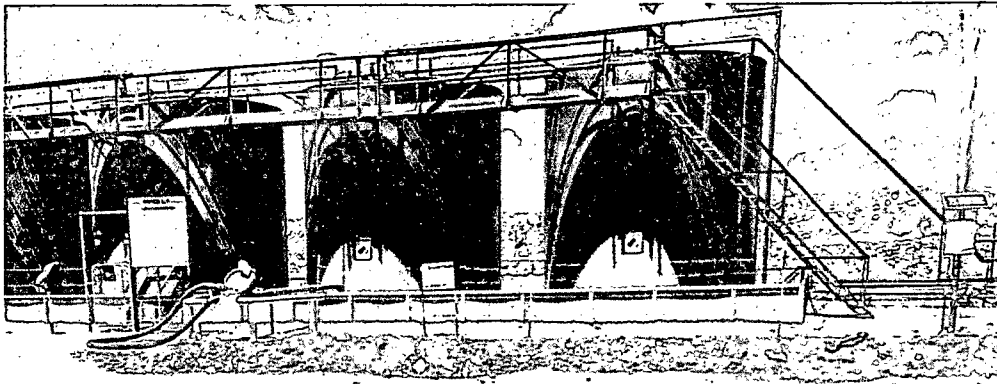
Appendix II

SITE PHOTOGRAPHS

Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
(575) 964-8394

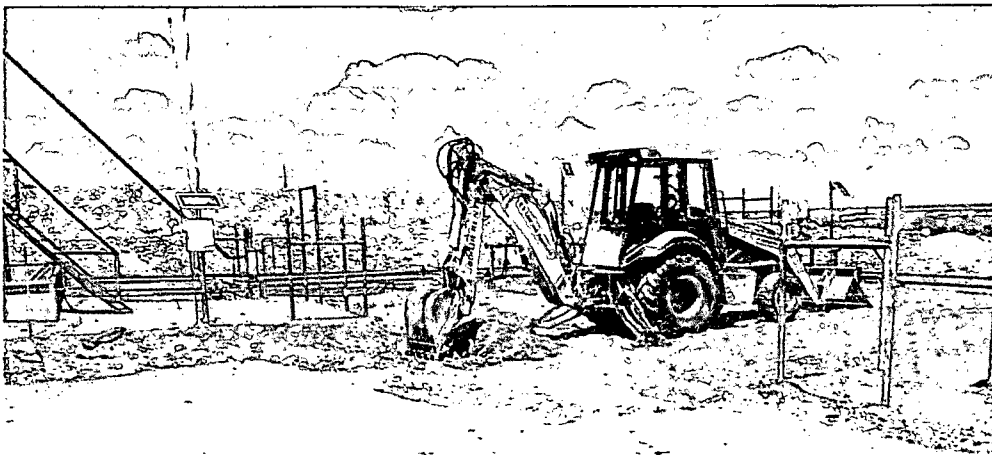
BOPCO PLU Big Sinks 14 25 30 USA #001H

Unit Letter N, Section 14, T25S R30E



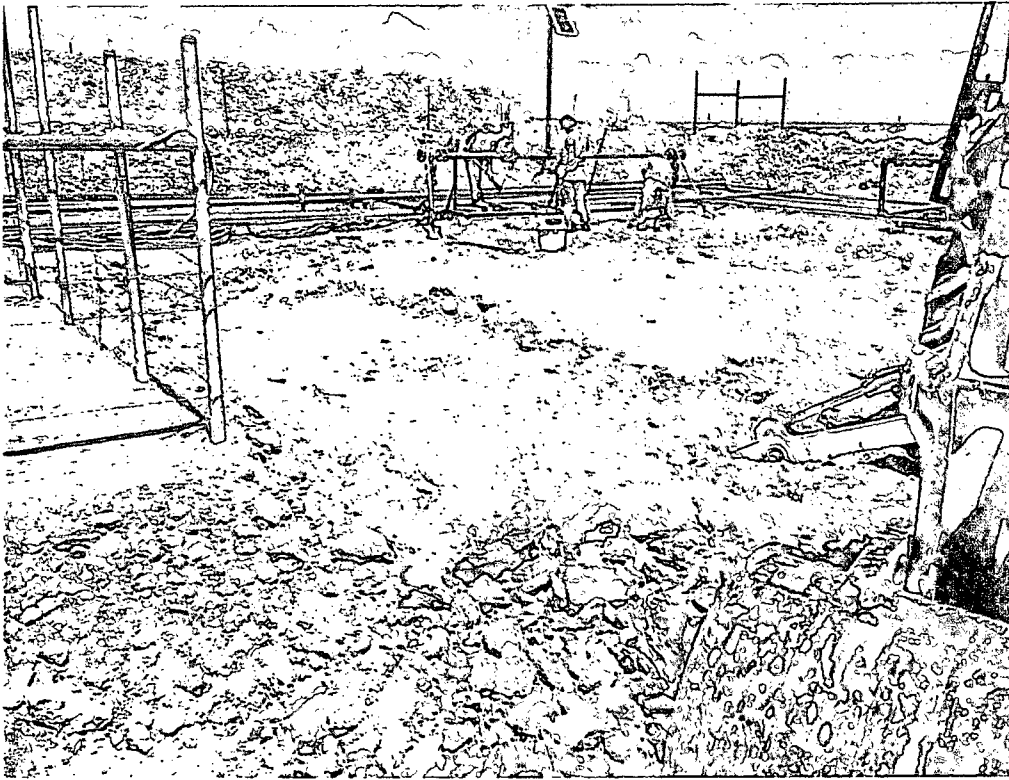
Excavating south of the tanks, facing north

8/12/13



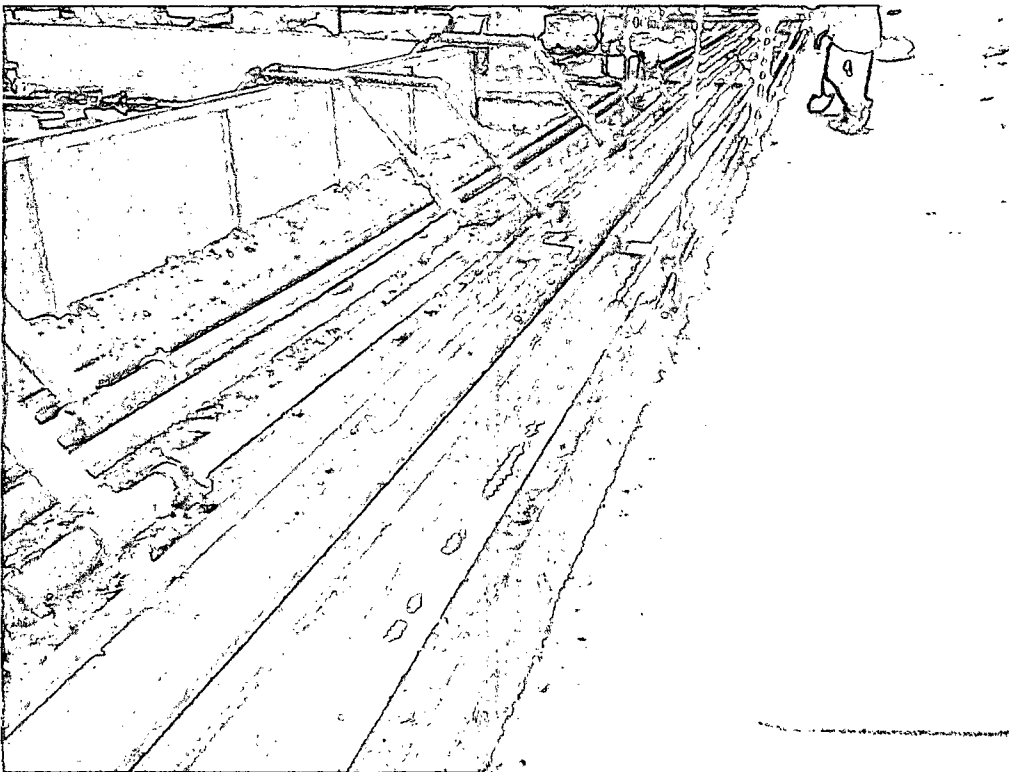
Excavating southeast of the tanks, facing northeast

8/12/13



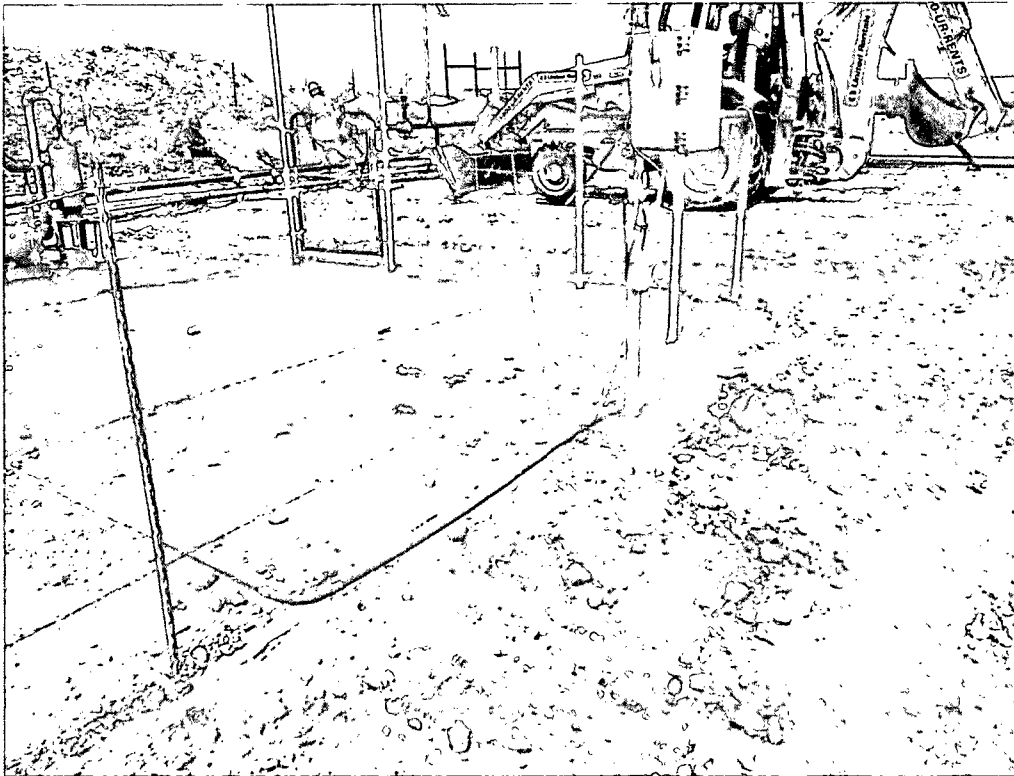
Excavating east of the tanks under lines, facing northeast

8/12/13

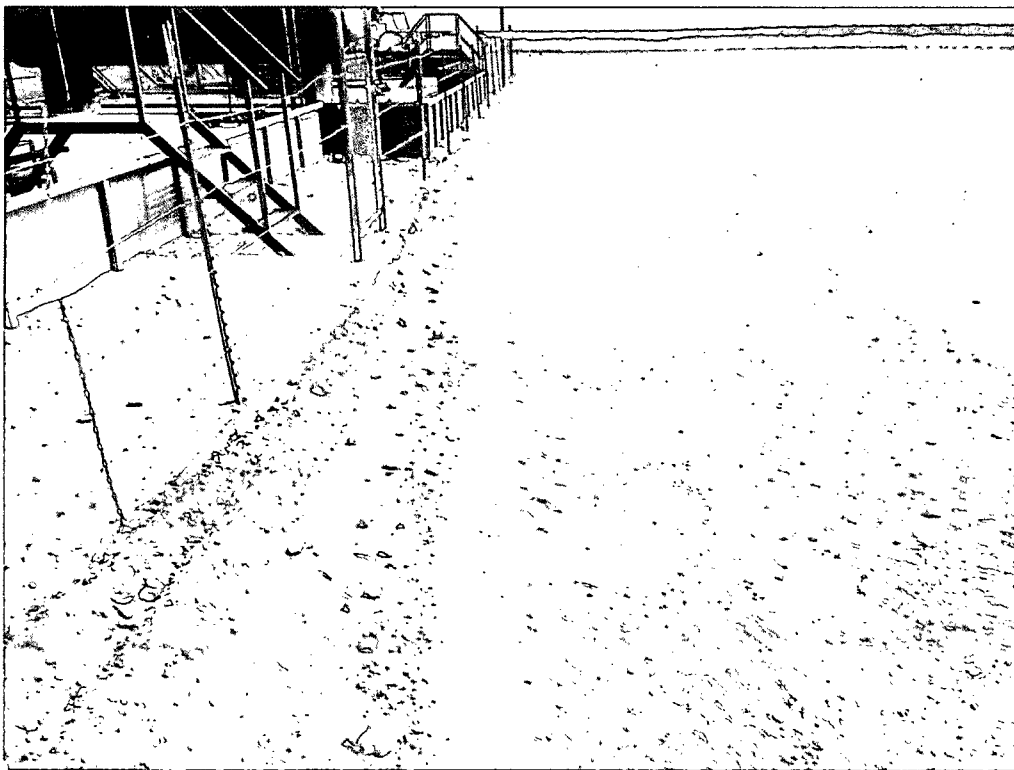


Excavated 1 ft under lines east of the treaters, facing north

8/8/2013



Site blading at completion east of treaters 08/13/13



Site at completion 08/13/13

Appendix III

GROUNDWATER DATA

Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
(575) 964-8394

DEPTH TO GROUNDWATER

BOPCO PLU Big Sinks 14 25 30 USA #001H

UL: N Sec: 14 T: 25S R: 30E

Groundwater Depth: ~325 ft.

⊙ = NM Office of the State Engineer

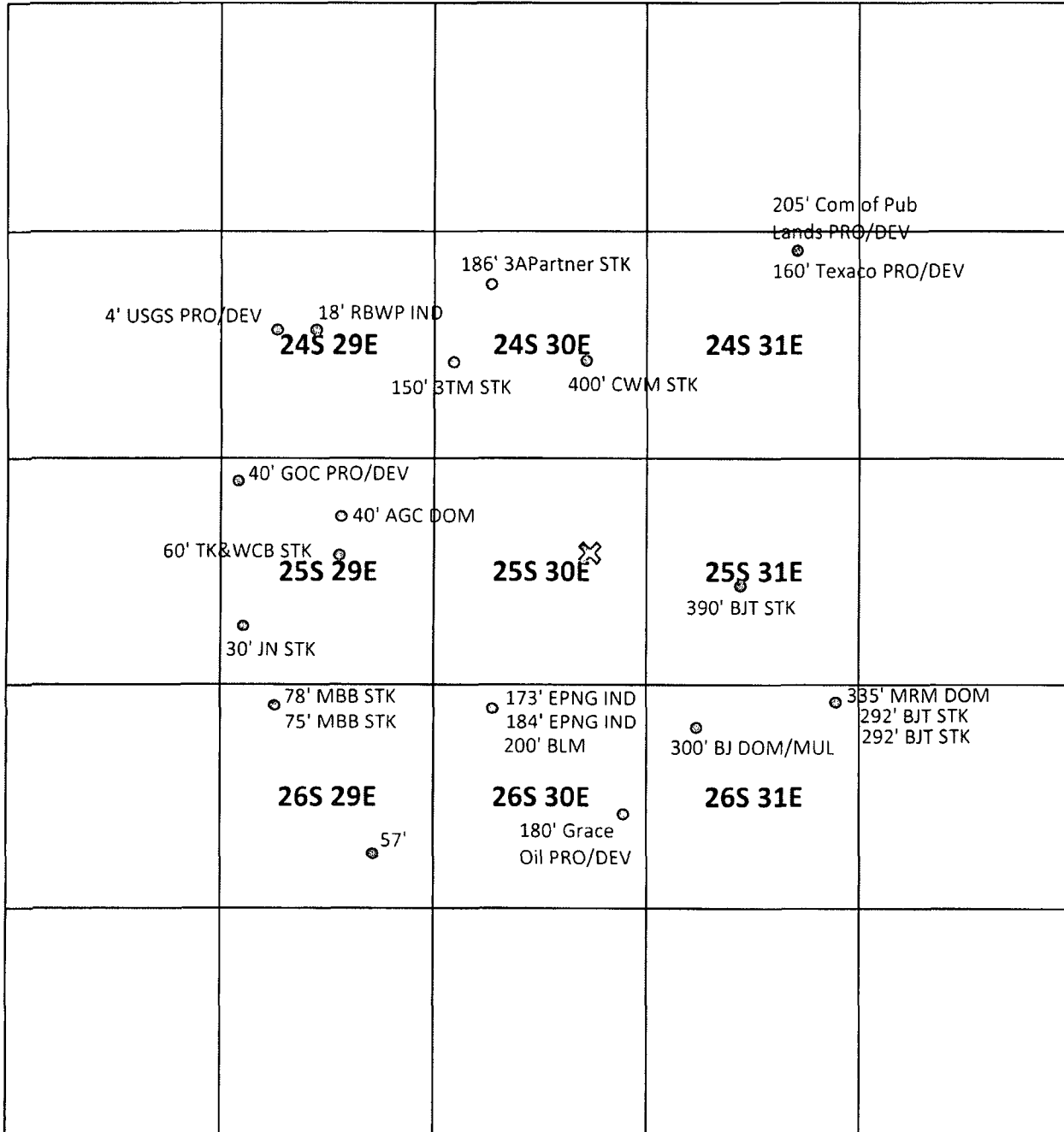
NMOCD GW trend map - 325 to 350 ft bgs

● = U.S. Geological Survey (unknown well)

Date: 8/4/13

✕ = Site Location

By: Amy Ruth



USGS 320106103555301 26S.29E.26.13143

Available data for this site

Groundwater: Field measurements

GO

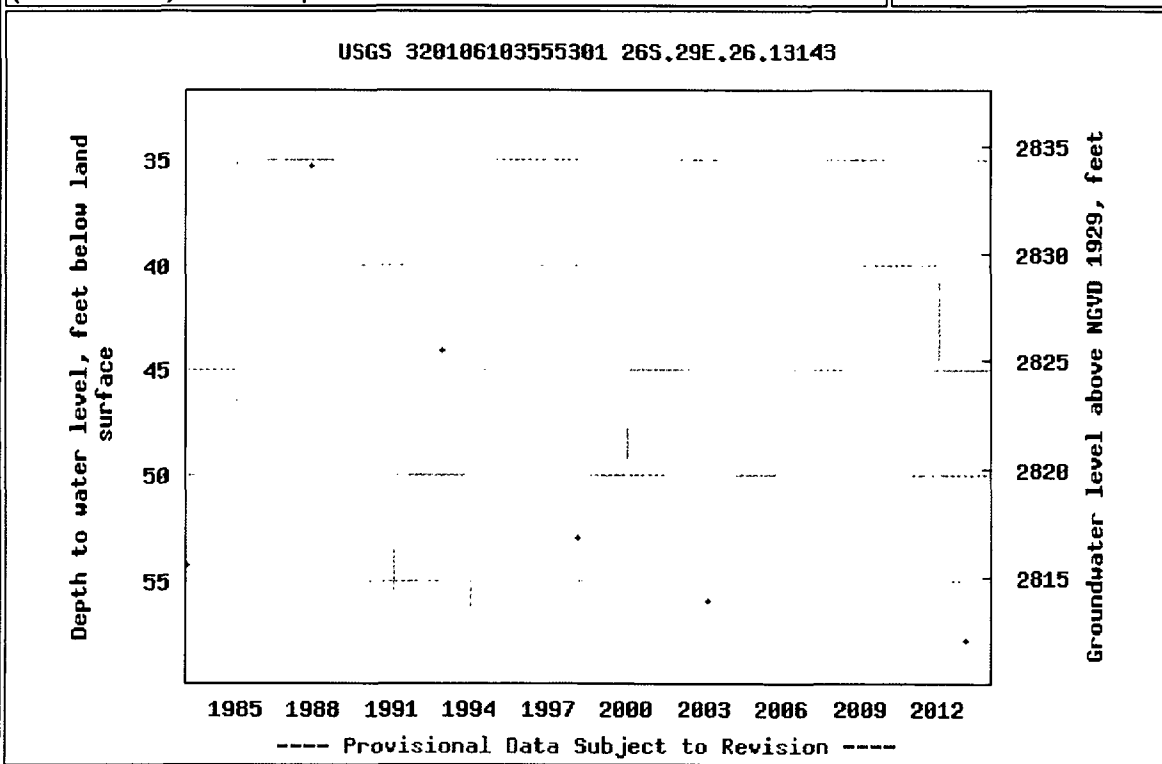
Eddy County, New Mexico

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.**Output formats**[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)



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

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)

		(acre ft per annum)																
		Sub																
WR File Nbr	basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q	q	q	Sec	Tws	Rng	X	Y	
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

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.

8/4/13 4:41 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



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

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

WR File Nbr	Sub				County	POD Number	Code Grant	q q q					X	Y		
	basin	Use	Diversion	Owner				Source	6416	4	Sec	Tws			Rng	
C 02713		IND	645	RED BLUFF WATER POWER CONTROL DISTRICT	ED	C 02713	Shallow	4	4	1	16	24S	29E	591633	3565944	2023
C 03360	C	PRO	0	REEF EXPLORATION	ED	C 02713	Shallow	4	4	1	16	24S	29E	591633	3565944	2023

Sorted by: File Number

ACTIVE & INACTIVE POINTS OF DIVERSION



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					Rng	X	Y	Depth Well	Depth Water	Water Column	
				64	16	4	Sec	Tws							
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

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	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*

(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: 1

POD Search:

POD Number: C 02108

Sorted by: File Number

*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)

(acre ft per annum)										(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			X	Y					
										6416	4	1			2	4	19	24S	30E
C 02109		STK		3 TYSON MAHAFFEY	ED	C 02109			6416	4	1	2	4	19	24S	30E	602130	3563412	
C 03616	C	PRO		0 CONCHO OIL & GAS	ED	C 02109			6416	4	1	2	4	19	24S	30E	602130	3563412	

Record Count: 2

POD Search:

POD Number: C 02109

Sorted by: File Number

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	q q q 6416 4 Sec TwS Rng	X	Y
C 02110	STK 3 CLARENCE W. MCDONALD	ED C 02110			4 3 23 24S 30E	608036	3562950*

Record Count: 1

POD Search:

POD Number: C 02110

Sorted by: File Number

*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.

8/4/13 4:55 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



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

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.



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

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

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	q q q							X	Y
								Source	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*	

Sorted by: File Number

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	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*

Record Count: 1

POD Search:

POD Number: C 02464

Sorted by: File Number

*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

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 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)

		(acre ft per annum)			(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)
W	Sub					
C	WR File Nbr	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 **Record Count: 1**

POD Search:

POD Number: C 01337

Sorted by: File Number

*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.

8/4/13 5:12 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



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-	Q Q Q	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	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

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

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

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)

(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	Tw	Rng	X	Y
C 02250	STK 3 BUCK JACKSON TRUST	ED C 02250		6416 4	3 1 4	21	25S	31E	614912	3553620*

Record Count: 1

POD Search:

POD Number: C 02250

Sorted by: File Number

*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

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-		Q Q Q			Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
	Code	basin	64	16	4								
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

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)

		(acre ft per annum)			(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)
WR File Nbr	Sub basin Use Diversion Owner		County	POD Number	Code Grant	Source	q q q	Sec	Tws Rng X Y
C 03507	C STK 3 M. BRAD BENNETT		ED	C 03507 POD1		Shallow	1 3 3	05 26S 29E	593063 3548313

Record Count: 1

POD Search:

POD Number: C 03507 POD1

Sorted by: File Number

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

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-		Q Q Q			Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
	Code	basin	64	16	4								
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

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.



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

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

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	q q q					X	Y			
								Source	6416	4	Sec	Tws			Rng		
C 01360		IND		EL PASO NATURAL GAS	ED	C 01360		Shallow	4	3	3	05	26S	30E	602996	3548152	
C 03448	C	PRO		DEVON ENERGY CORP.	ED	C 01360		Shallow	4	3	3	05	26S	30E	602996	3548152	
C 03449	C	PRO		OGX RESOURCES	ED	C 01360		Shallow	4	3	3	05	26S	30E	602996	3548152	

Sorted by: File Number

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	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

Record Count: 1

POD Search:

POD Number: C 01361

Sorted by: File Number

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)

(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 02165	C PRO 0 GRACE OIL	ED C 02165		Shallow	6416 4	24	26S	30E	610036	3544121*

Record Count: 1

POD Search:

POD Number: C 02165

Sorted by: File Number

*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.

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)

(acre ft per annum)										(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)									
WR File Nbr	Sub		Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q			Sec	Tws	Rng	X	Y																					
	basin										q	q	q																										
C 03483					0 BUREAU OF LAND MANAGEMENT	ED	C 03483			Shallow	4	4	4	05	26S	30E	604296	3548251	2																				
C 03501	C		PRO		0 DEVON ENERGY CO.	ED	C 03483			Shallow	4	4	4	05	26S	30E	604296	3548251	2																				
C 03502	C		PRO		0 DEVON ENERGY CO	ED	C 03483			Shallow	4	4	4	05	26S	30E	604296	3548251	2																				
C 03503	C		PRO		0 DEVON ENERGY CO.	ED	C 03483			Shallow	4	4	4	05	26S	30E	604296	3548251	2																				

Record Count: 4

POD Search:

POD Number: C 03483

Sorted by: File Number

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

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 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

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)

(acre ft per annum)

(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 01777	C	DOL		3	BUCK JACKSON	ED	C 01777			Shallow	6416 4	08	26S	31E	613245	3547409*

Record Count: 1

POD Search:

POD Number: C 01777

Sorted by: File Number

*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.

8/4/13 5:41 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)

		(acre ft per annum)																
		Sub																
WR File Nbr	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*	↗

Record Count: 1

POD Search:

POD Number: C 02090

Sorted by: File Number

*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)

										(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)																																																																					
										Sub																																																																					
										q q q																																																																					
WR File Nbr										basin Use Diversion Owner										County POD Number										Code Grant										Source 6416 4 Sec TwS Rng										X										Y																			
C 02248										STK										3 BUCK JACKSON TRUST										ED C 02248																				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 02248

Sorted by: File Number

*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.

8/4/13 5:43 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)

(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 6416 4 Sec TwS Rng	X	Y
C 02249	STK 3 BUCK JACKSON TRUST	ED C 02249		1 2 3 08 26S 31E	612942	3547316*	

Record Count: 1

POD Search:

POD Number: C 02249

Sorted by: File Number

*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.

Appendix IV

LABORATORY ANALYSES

Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
(575) 964-8394

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,



Caley 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
 Reported: 08/15/2013
 Project Name: PLU BIG SINKS 14 25 30 USA #001H
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 08/06/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

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	

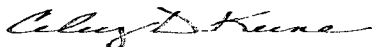
Sample ID: SP 6 @ 1' (H301932-04)

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	

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

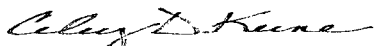
Notes and Definitions

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

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



Page 4 of 4

[illegible]

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 processors 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: <i>[Signature]</i>		Date: <i>8-14-13</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <i>14:56</i>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>[Signature]</i>		Date: <i>8/14/13</i>	Received By: <i>[Signature]</i>	REMARKS:	
Time: <i>3:17p</i>					
Delivered By: (Circle One)		Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>	(Initials)		
		<i>-6.8°C</i>	<i>[Signature]</i>		
		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
		<input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> No <input type="checkbox"/> No		

† Cardinal cannot accept verbal changes. Please fax written changes to (578) 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 black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

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
 Reported: 08/29/2013
 Project Name: PLU BIG SINKS 14 25 30 USA #001H
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 08/15/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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					

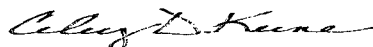
Surrogate: 1-Chlorooctane 79.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.4 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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)

BTX 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 BTX	<0.300	0.300	08/28/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 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

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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
 Reported: 08/29/2013
 Project Name: PLU BIG SINKS 14 25 30 USA #001H
 Project Number: NONE GIVEN
 Project Location: MALAGA, NM

 Sampling Date: 08/15/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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/						

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					

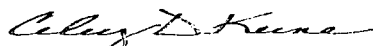
Surrogate: 1-Chlorooctane 91.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

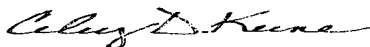
Notes and Definitions

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

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.






Celey D. Keene, Lab Director/Quality Manager



Page 6 of 6

Company Name: Diversified Field Service, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Amy Ruth				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> BTX TPH 8015M Chloride </div> <div style="width: 80%;"></div> </div>																			
Address: 315 S. Leech				Company: ZH Services																							
City: Hobbs State: NM Zip: 88240				Attn: Joel Longoria																							
Phone #: 575-397-6437 Fax #:				Address: 4515 National Parks Hwy																							
Project #: Project Owner: BOPCO				City: Carlsbad																							
Project Name: PLU Big Sinks 142530 USA #201 H				State: NM Zip: 88220																							
Project Location: Malaga NM				Phone #: 575-234-2028																							
Sampler Name: Amy Ruth				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													
H302037				G		1								8-15-13 1500													
1 SP1 @ 2'				G		1								8-15-13 1515													
2 SP2 @ 2'				G		1								8-15-13 1600													
3 SP4 @ 2'				G		1																					

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: 		Date: 8-23-13	Received By: Jodi Henson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 1515		Date:	Time:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: 		Date:	Received By:	REMARKS:	
Time:				email	
Delivered By: (Circle One)		Sample Condition		STWalters@BassPet.Comm	
Sampler - UPS - Bus - Other:		Cool Intact		aruth@diversifiedfsi.com	
		1.8°C			
		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No			
		CHECKED BY: 			

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

#54

Appendix V

FINAL FORM C-141

Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
(575) 964-8394

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

28P-1855

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: BOPCO, L.P.	Contact: Jody Walters	
Address: 522 W. Mermod, Suite 704 Carlsbad, NM 88260	Telephone No. 575-887-7329	
Facility Name: PLU Big Sinks 14-25-30 USA Battery #001H	Facility Type: Exploration and Production	
Surface Owner Federal	Mineral Owner Federal	API No. 30-015-39508

LOCATION OF RELEASE

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

Latitude N32.124358 Longitude W130.853639

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 42 bbls	Volume Recovered: 38 bbls
Source of Release Open valve on tank	Date and Hour of Occurrence 8/1/2013 time is unknown	Date and Hour of Discovery 8/12/013 4:20PM
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?	Date and Hour 01-22-13 2:20 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.* NA		
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 the location. He had 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.* Spill affected approximately 7400 sq. ft. of the tank battery. The spill was delineated by Diversified Field Services, Inc. Impacted soils were removed to a NMOCD approved disposal facility. Confirmation samples were then submitted to a commercial lab for analyses. Backfill of the excavation was approved by the NMOCD. The excavation was backfilled and bladed.		
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:
Title: Waste Management and Remediation Specialist	Approval Date:	Expiration Date:
E-mail Address: tasavoie@basspet.com	Conditions of Approval:	
Date: 3/12/14 Phone: 432-556-8730	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary