

# BOPCO

## PLU #227

### CLOSURE REPORT

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2RP-774

API No. 30-015-33929

Release Date: 4/19/2011

Unit Letter P, Section 30, Township 24 South, Range 30 East

## March 5, 2014

**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

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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

Appendix V – Final C-141

# PLU #227

## 1 INTRODUCTION

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BOPCO has retained Diversified Field Service, Inc. (DFSI) to address environmental issues for the site detailed herein.

The site is located east of Loving, NM, in Eddy County. The site resulted from a 2" poly line failure at the connection to a water transfer pump. Produced water was released onto approximately 900 feet of the lease road and 1200 feet of pasture arroyo. The connection was repaired, and an initial form C-141 was submitted to the NMOCD on May 5, 2011 (Appendix I).

## 2 SITE ACTIVITIES

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On April 20, 2011 the BLM reviewed the area and agreed to wash the traverse area down with fresh water. A vacuum truck was utilized to capture the rinse water. On April 25, 2011 approximately 300 bbls of fresh water was used to rinse down the road and gully area. A 2" poly line was then laid across the pasture to the wash area, in order to capture the accumulated water.

On December 2, 2013, DFSI personnel collected surface soil samples from the site (Figure). The samples were field screened for chloride and showed elevated levels in all but 2 of the sample points. The samples were submitted to a commercial laboratory for chloride analysis (Appendix IV).

Visually impacted soils were excavated throughout the entire leak area and removed to a NMOCD approved disposal facility. Simultaneous soil field testing revealed low chloride and hydrocarbon levels at 1 to 2 ft. below ground surface (bgs) (Figure). Soil samples were collected from the excavation floor and submitted to a laboratory for confirmation (Appendix IV). SP 4 and SP5 Chlorides remained at 2120 and 2560 mg/kg at 1 ft. bgs on the lease road due to various previous over the road transports. A liner was installed on the pad location where SP1 and SP2 were located.

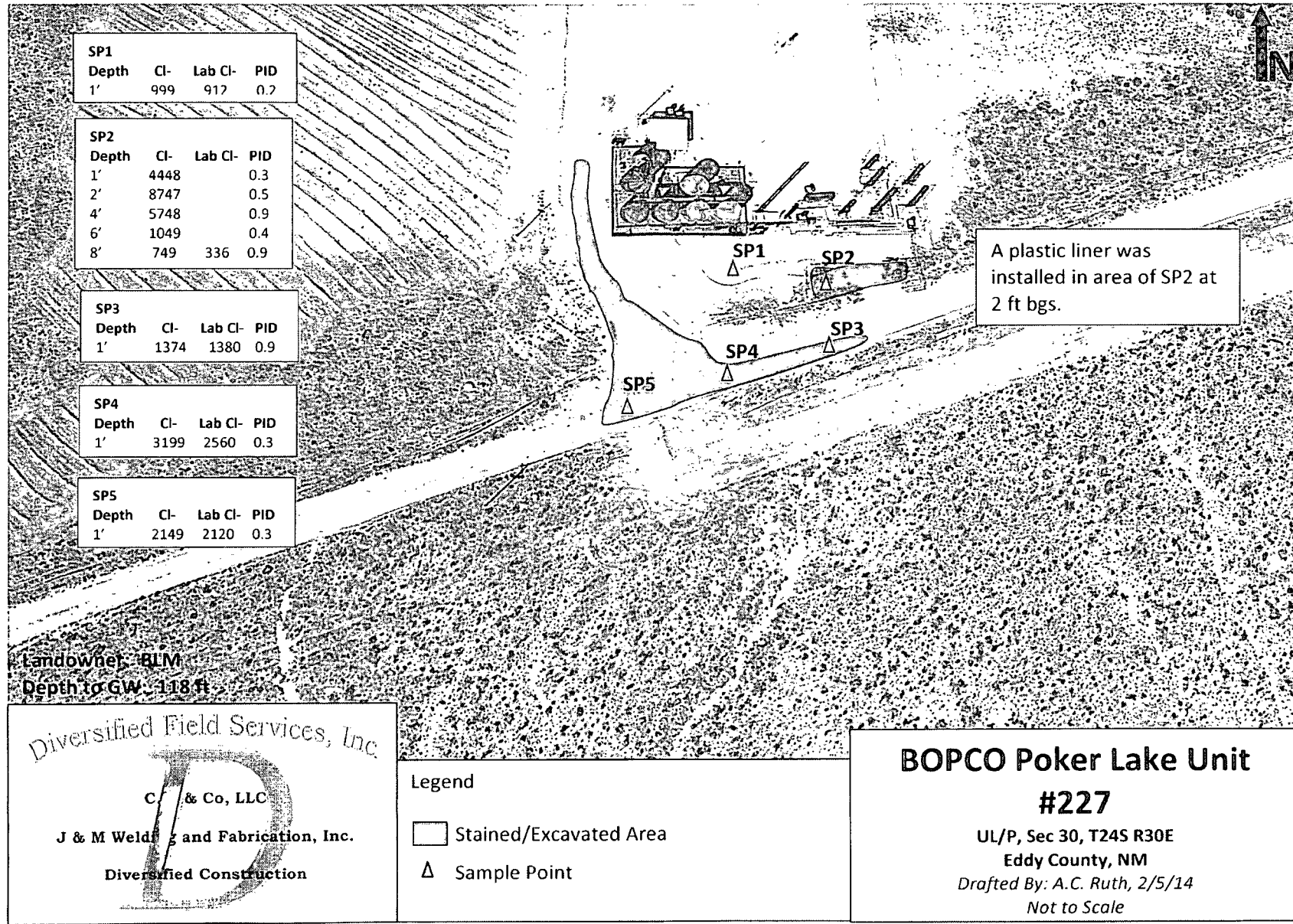
All impacted soils were removed to an NMOCD approved disposal facility. Photographs of site activities can be viewed in Appendix II.

## 3 CONCLUSION

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According to the U.S. Geological Survey and the NM Office of the State Engineer, depth to groundwater in the area averages greater than 118 ft. bgs (Appendix III). Based on the removal of soils containing elevated chloride and visual staining at the site, BOPCO respectfully requests the closure of the regulatory file for the site.

# Site Diagram with Sample Data



# Appendix I

**INITIAL FORM C-141**

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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  
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

30-015-33929

Release Notification and Corrective Action

NMLB1112542397

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company BOPCO, L.P.	260737	Contact Tony Savoie
Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220		Telephone No. 432-556-8730
Facility Name Poker Lake Unit #227		Facility Type E&P SWD

Surface Owner Federal	Mineral Owner Federal	Lease No.
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LOCATION OF RELEASE

Unit Letter P	Section 30	Township 24S	Range 30E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude N 32.18191 Longitude W 103.91429

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 50 bbls produced water.	Volume Recovered: none
Source of Release: 2' poly line connected to a water transfer pump.	Date and Hour of Occurrence 4/19/11, Hour unknown	Date and Hour of Discovery 4/19/11 at 7:29 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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

MAY 04 2011

Describe Cause of Problem and Remedial Action Taken.\*  
A 2" poly line failed where it was connected to a water transfer pump. The pump was shut down causing the flow of water to stop. The poly line was repaired later that evening.

NMOCD ARTESIA

Describe Area Affected and Cleanup Action Taken.\*  
The produced water traveled down a lease road for approximately 900 ft. It then left the road way and entered a rocky gully that averaged about 2 ft. in width where it traveled approximately 1200 ft. before dumping into another wash area, traveled approximately 30 ft. and stopped. The BLM reviewed the area on 4/20/11 and agreed to wash the traverse area down with fresh water and use a vacuum truck to capture the rinsed water at the point where it entered into the wash area. On 4/25/11 approximately 300 bbls of fresh water was used to rinse down the road and gully, a 2" poly line was laid across the pasture to the wash area to capture what water accumulated at the end. The site is pending review by the NMOCD and BLM for Closure.

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: Tony Savoie	OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie	Approved by District Supervisor: Mike Brannan	
Title: Waste Mgmt. & Remediation Specialist	Approval Date: 5/5/2011	Expiration Date:
E-mail Address: TASavoie@BassPet.com	Conditions of Approval: Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:	Attached <input type="checkbox"/>
Date: 5/3/11	Phone: 432-556-8730	

\* Attach Additional Sheets if Necessary

6/5/2011

2RP-774

# Appendix II

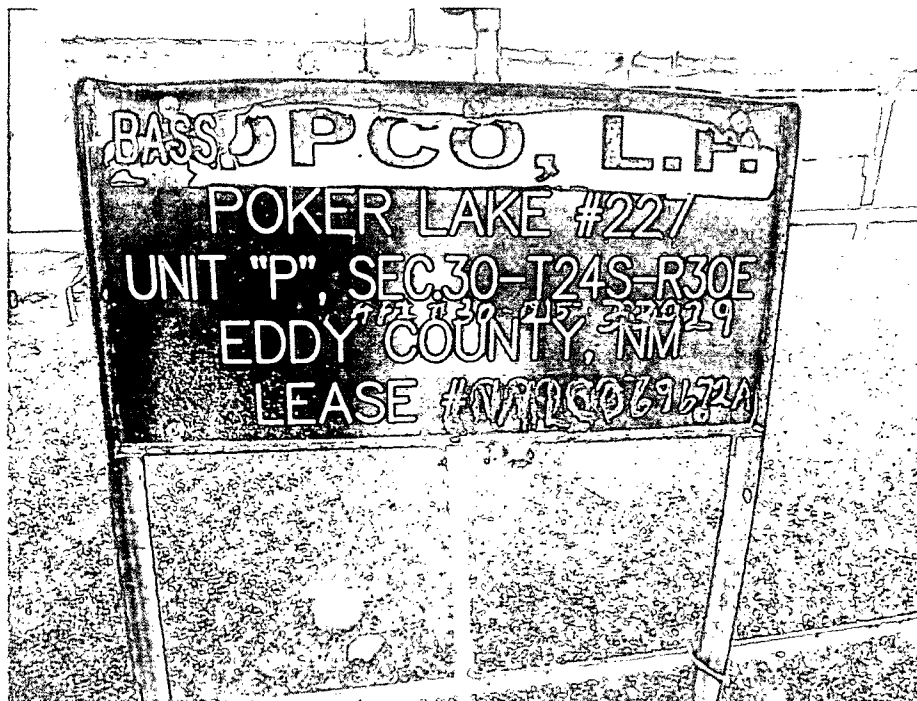
## SITE PHOTOGRAPHS

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

## BOPCO Poker Lake Unit #227

Unit Letter P, Section 30, T24S R30E



Sign marking location 11/17/13

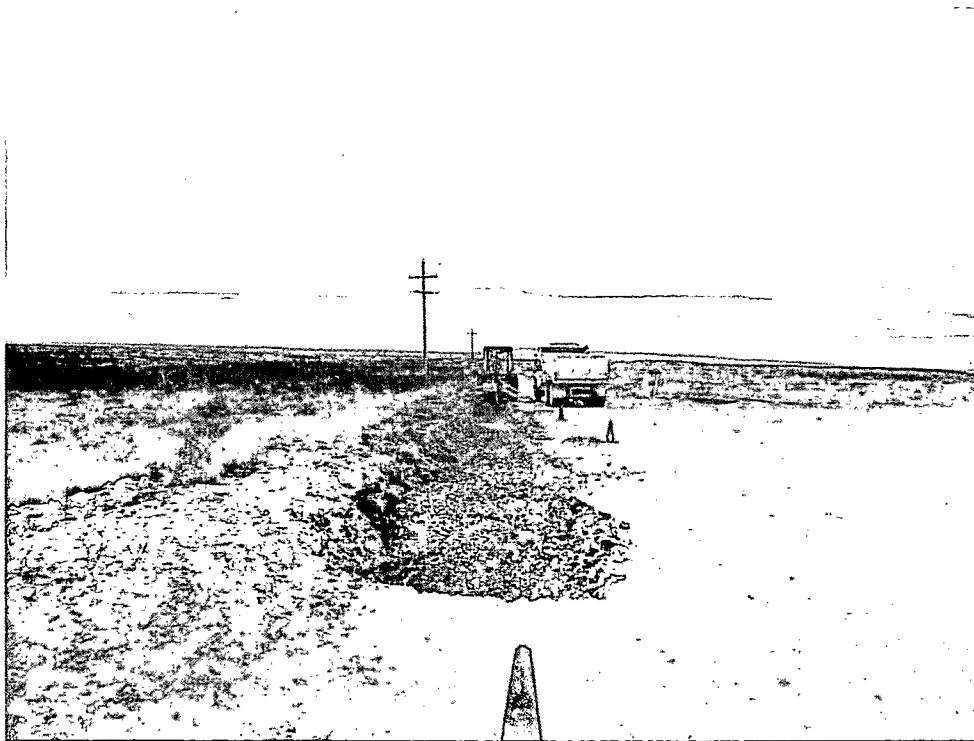


Spill location SW of lease road 11/20/13

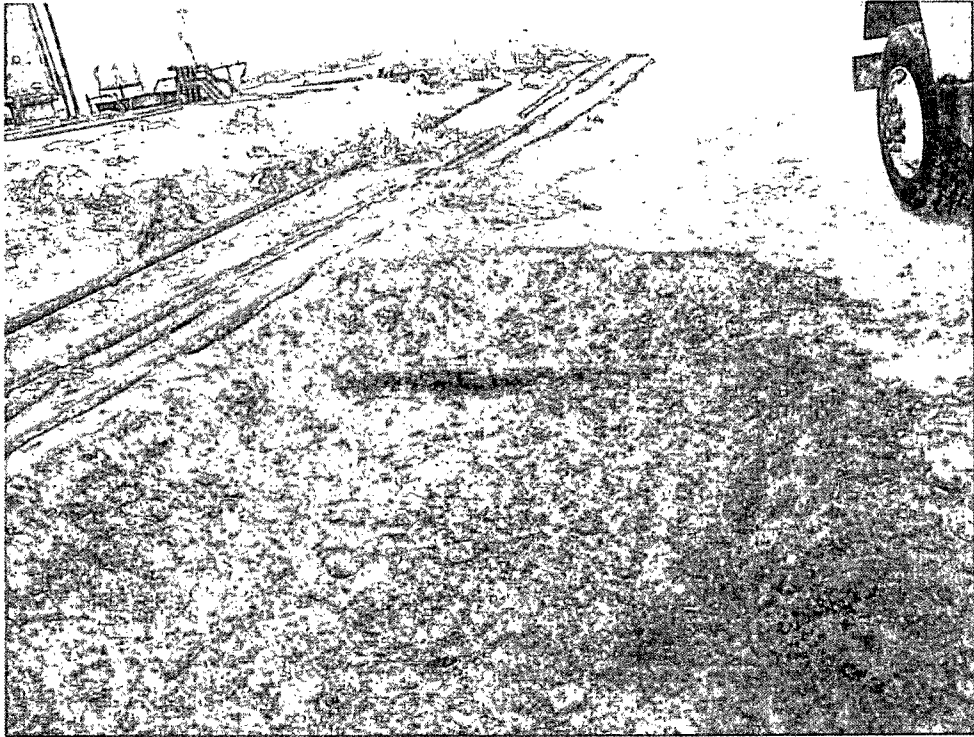




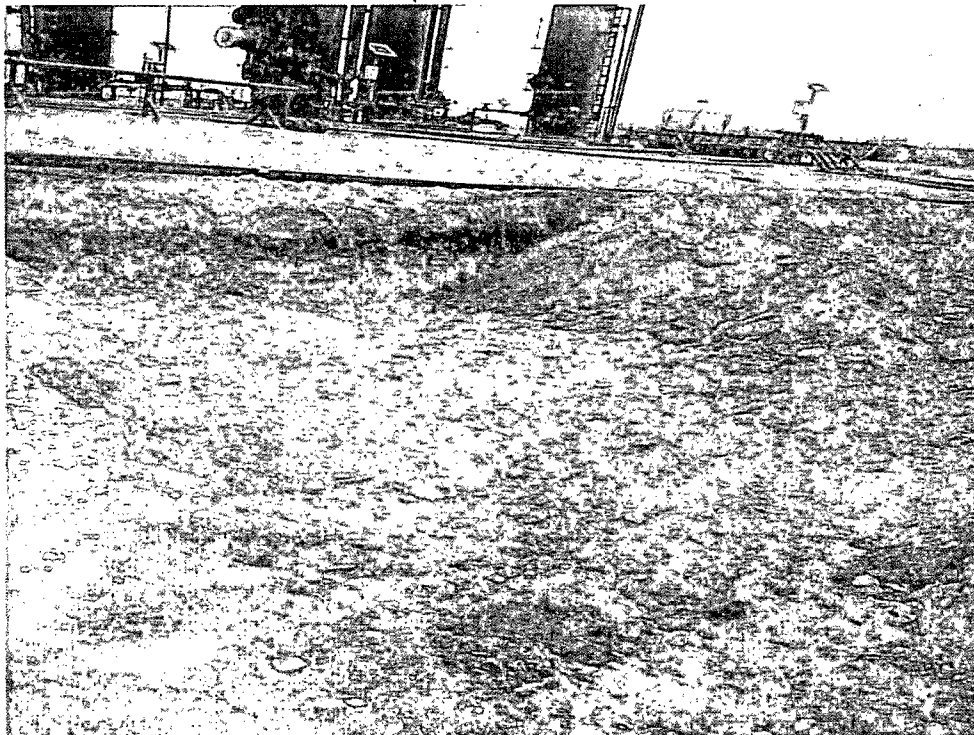
Impacted soil on lease road 12/03/13



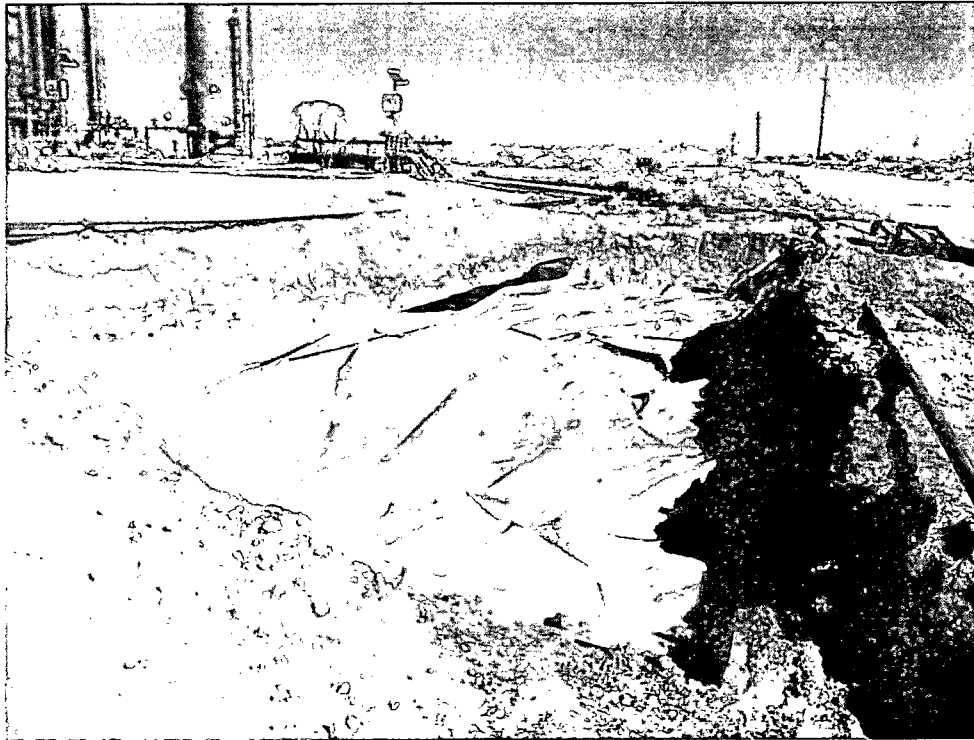
Excavation left of road way 12/03/13



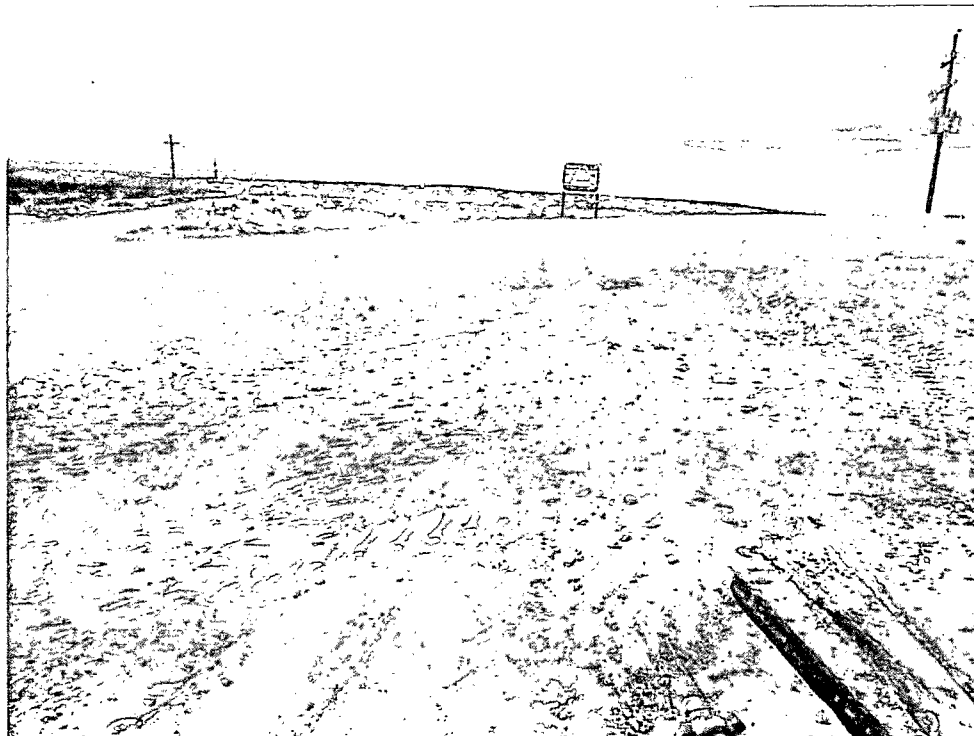
Excavation of poly line area 12/11/13



Excavation of impacted site area 12/12/13



Lined area 12/14/13



Lease Road at completion 12/13/13



Lined area at completion 01-02-13

# Appendix III

## GROUNDWATER DATA

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

# DEPTH TO GROUNDWATER

BOPCO PLU #227

UL:     P     Sec:     30     T:     24S     R:     30E    

Groundwater Depth:                     ~118                     ft. averaged

○ = NM Office of the State Engineer

NMOCD GW trend map - 200 to 225 ft bgs

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

Date: 12/23/13

✕ = Site Location

By: Amy Ruth

			354' S Labs MON	
10' IMC K 16' Mosaic MON 38' JG IRR 30' SF Energy PRO/DEV	28' IMC K <b>23S 29E</b> 44' Mosaic MON 18' IMC K	85' JM Trst COM <b>23S 30E</b> 440' BLM STK	168' USBLM STK 125' JM Trst STK <b>23S 31E</b> 160' Texaco/PRO, GRR&CM/IRR	
36' SWS Co MON 26' SWS Co MON 4' USGS PRO/DEV	18' RBWPC Dist <b>24S 29E</b>	186' M&M Cattle Co. STK <b>24S 30E</b> ✕ 400' CW McDonald STK	205' Com of Pub Lands PRO <b>24S 31E</b>	
40' Gulf Oil PRO/DEV	40' AGC DOM 60' TKWC Bank STK <b>25S 29E</b> 30' JN STK	<b>25S 30E</b>	<b>25S 31E</b> 390' BJT STK	



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

(In feet)

POD Number	POD	County	Q Q Q						X	Y	Depth Well	Depth Water	Water Column
	Sub-Code		basin	64	16	4	Sec	Tws					
C 00571	C	ED	1	3	3	30	23S	29E	591241	3570957*	89	38	51
C 00571 CLW241602	O	ED	3	3	3	30	23S	29E	591241	3570757*	89	38	51
C 01217 S		ED	4	1	4	16	23S	29E	595413	3574403*	350		
C 01627	C	ED	1	4	4	28	23S	29E	595649	3570959*	170		
C 02182	C	ED		4	30	23S	29E	592328	3571048*	75	30	45	
C 02608		ED	3	1	4	17	23S	29E	593598	3574387*	400		
C 02613		ED	4	4	2	20	23S	29E	594203	3573176*	400		
C 02704	C	ED		1	19	23S	29E	591531	3573493*	174			
C 02705	C	ED		2	17	23S	29E	593902	3575093*	68	28	40	
C 02706	C	ED		4	18	23S	29E	592302	3574291*	17	10	7	
C 02707	C	ED		2	28	23S	29E	595535	3571868*	40	18	22	
C 02715		ED	4	1	3	15	23S	29E	596221	3574411*	400		
C 02716		ED	4	4	4	16	23S	29E	595818	3574002*	400		
C 02717		ED	4	2	4	16	23S	29E	595817	3574407*	400		
C 02718		ED	4	4	2	16	23S	29E	595816	3574812*	400		
C 02720		ED		2	1	21	23S	29E	594911	3573690*	150		
C 02721		ED		2	3	21	23S	29E	594915	3572879*	150		
C 02792		ED		4	3	04	23S	29E	594868	3577336*	200		
C 02793		ED		4	3	04	23S	29E	594868	3577336*	100		
C 02794		ED		4	3	10	23S	29E	596518	3575731*	100		
C 02795		ED		4	3	10	23S	29E	596518	3575731*	200		
C 02797		ED		2	3	22	23S	29E	596540	3572895*	200		
C 02804		ED		2	1	08	23S	29E	593262	3576905*	100		
C 02805		ED		2	1	08	23S	29E	593262	3576905*	100		
C 02806		ED		1	1	09	23S	29E	594473	3576927*	100		
C 02807		ED		1	1	09	23S	29E	594473	3576927*	100		

\*UTM location was derived from PLSS - see Help

(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		Q Q Q					X	Y		Depth	Depth	Water
	Sub-	Code	basin	County	64	16	4	Sec	Tws	Rng	Well	Water	Column
<u>C 02808</u>				ED	2	3	16	23S	29E	594909	3574501'	100	
<u>C 02809</u>				ED	2	3	16	23S	29E	594909	3574501'	100	
<u>C 03057 EXPLORE</u>				ED	4	1	1	21	23S	29E	594605	3573586'	150
<u>C 03058 EXPLORE</u>				ED	4	1	1	16	23S	29E	594605	3575206'	150
<u>C 03059 EXPLORE</u>				ED	4	1	3	17	23S	29E	592993	3574378'	65
<u>C 03587 POD1</u>	C			ED	1	4	3	29	23S	29E	593338	3570754'	99 44 55
<u>C 03587 POD2</u>	C			ED	1	2	4	19	23S	29E	592213	3572706'	77 16 61

Average Depth to Water: 31 feet

Minimum Depth: 10 feet

Maximum Depth: 65 feet

Record Count: 33

PLSS Search:

Township: 23S

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.

11/12/13 10:05 AM

Page 2 of 2

WATER COLUMN/ AVERAGE  
DEPTH TO WATER





# 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
C 00571	C	IRR	362.4	JOHNNIE GIOVENGO, JR.	ED	C 00571			Shallow	1 3 3 30 23S 29E 591241 3570957*
C 03121	C	DOL	3	JOHNNIE GIOVENGO, JR.	ED	C 00571			Shallow	1 3 3 30 23S 29E 591241 3570957*

**Record Count:** 2

**POD Search:**

POD Number: C 00571

**Sorted by:** File Number

\*UTM location was derived from PLSS - see Help

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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 basin Use Diversion Owner	County POD Number	Code Grant	Source	q q q	Sec Tws Rng	X Y
C 02182	C PRO 0 SANTA FE ENERGY	ED C 02182		Shallow	4 30 23S 29E	592328 3571048	

Record Count: 1

POD Search:

POD Number: C 02182

Sorted by: File Number

\*UTM location was derived from PLSS - see Help

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11/12/13 10:45 AM



# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

		(acre ft per annum)										
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	Q	Q	Q
C 02705	C			0 IMC KALIUM	ED	C 02705			Shallow	2	17	23S 29E
										X	593902	Y 3575093*

Record Count: 1

POD Search:

POD Number: C 02705

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)

(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
C 02706	C			0 IMC KALIUM	ED	C 02706			Shallow	6416 4
										Sec
										Tws
										Rng
										X
										Y
										592302
										3574291*

Record Count: 1

### POD Search:

POD Number: C 02706

Sorted by: File Number

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# 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 02707	C	0 IMC KALIUM	ED C 02707	Shallow	2 28 23S 29E	595535 3571868*	

Record Count: 1

POD Search:

POD Number: C 02707

Sorted by: File Number

\*UTM location was derived from PLSS - see Help

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11/12/13 10:50 AM

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 basin Use Diversion Owner		County	POD Number	Code Grant	Source
C 03587	MON 0 MOSAIC POTASH CARLSBAD INC		ED	C 03587 POD1		Shallow 1 4 3 29 23S 29E 593337 3570754

Record Count: 1

POD Search:

POD Number: C 03587 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.

11/12/13 10:52 AM

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  
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& 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
<u>C 02095</u>			ED	2	3	34	23S	30E		606337	3569759*	554	440	114
<u>C 02486</u>	C		ED	3	2	3	19	23S	30E	601304	3572832*	350		
<u>C 02770</u>			ED	4	4	1	14	23S	30E	608004	3574921*	286		
<u>C 02771</u>			ED	1	2	3	14	23S	30E	607807	3574718*	295		
<u>C 02772 POD1</u>	C		ED	4	4	1	14	23S	30E	608043	3574840	300		
<u>C 03139</u>			ED	4	2	4	01	23S	30E	610424	3577764*	425		
<u>C 03222 EXPLORE</u>			ED	1	1	4	12	23S	30E	609833	3576349*	365		
<u>C 03478 POD1</u>	C		ED	2	2	1	21	23S	30E	604825	3573894	300		
<u>C 03559 POD1</u>	C		ED	4	3	2	01	23S	30E	609928	3578260	50	0	50
<u>C 03559 POD2</u>	C		ED	4	3	2	01	23S	30E	609928	3578260	25	0	25
<u>C 03559 POD3</u>	C		ED	4	3	2	01	23S	30E	609928	3578260	20	0	20
<u>C 03559 POD4</u>	C		ED	4	3	2	01	23S	30E	609928	3578260	25	0	25
<u>C 03559 POD5</u>	C		ED	4	3	2	01	23S	30E	609912	3578236	50		

Average Depth to Water: 88 feet

Minimum Depth: 0 feet

Maximum Depth: 440 feet

Record Count: 13

PLSS Search:

Township: 23S

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)

		(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	6416 4	Sec Tws Rng	X Y
C 02095	STK 8 BUREAU OF LAND MANAGEMENT		ED	C 02095			2 3 34	23S 30E	606337 3569759	

Record Count: 1

POD Search:

POD Number: C 02095

Sorted by: File Number

\*UTM location was derived from PLSS - see Help

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10/11/13 10:29 AM





# New Mexico Office of the State Engineer Water Column/Average Depth to Water

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C=the file is

(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
<u>C 02258</u>	C	ED		3	2	26	23S	31E		618055	3571853*	662		
<u>C 02348</u>	C	ED		1	4	3	26	23S	31E	617648	3571068	500		
<u>C 02492</u>		ED		4	4	4	06	23S	31E	612056	3577320*	135	85	50
<u>C 02492 POD2</u>	C	ED		3	2	2	07	23S	31E	611767	3576996	400	125	275
<u>C 02664</u>		ED		3	3	2	05	23S	31E	613049	3578138*	4291	354	3937
<u>C 02725</u>		ED		1	1	1	05	23S	31E	612240	3578731*	532		
<u>C 02773</u>		ED		4	1	3	03	23S	31E	615668	3577762*	880		
<u>C 02774</u>		ED		3	1	3	04	23S	31E	613857	3577745*	1660		
<u>C 02775</u>		ED		1	1	1	05	23S	31E	612240	3578731*	529		
<u>C 02776</u>		ED		2	1	1	05	23S	31E	612440	3578731*	661		
<u>C 02777</u>		ED		2	2	2	15	23S	31E	616905	3573562*	1001		
<u>C 02865</u>		ED		4	4	4	06	23S	31E	612056	3577320*	174		
<u>C 02954 EXPL</u>		ED		3	1	4	20	23S	31E	613114	3572906*	905		
<u>C 03140</u>		ED		4	2	4	04	23S	31E	615266	3577758*	684		
<u>C 03351</u>	C	ED		4	1	4	04	23S	31E	614917	3577861	320	168	152
<u>C 03520 POD1</u>	C	ED		3	1	1	07	23S	31E	610733	3576905	500		

Average Depth to Water: 183 feet

Minimum Depth: 85 feet

Maximum Depth: 354 feet

Record Count: 16

PLSS Search:

Township: 23S 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.

10/15/13 3:31 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# 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	q	q	q	X	Y				
	basin								6416	4	Sec			Tws	Rng		
<u>C 02492</u>		COM	105	THE JIMMY MILLS GST TRUST	ED	<u>C 02492</u>			Shallow	4	4	06	23S	31E	612056	3577320'	
C 03668	C	STK	3	J T MILLS 2005 GST TRUST	ED	C 02492 POD2			Shallow	3	2	07	23S	31E	611767	3576996	

Record Count: 2

POD Search:

POD Number: C 02492

Sorted by: File Number

\*UTM location was derived from PLSS - see Help

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10/15/13 3:48 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	6416 4	Sec	Tws	Rng	X	Y	
C 03668	C	STK			3 J T MILLS 2005 GST TRUST	ED	C 02492 POD2			Shallow	3	2	2	07	23S	31E	611767 3576996

(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)

4 4 4

Record Count: 1

### POD Search:

POD Number: C 02492 POD2

Sorted by: File Number

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10/15/13 3:53 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)															
WR File Nbr	Sub	basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q	Sec	Tws	Rng	X	Y	
C 02664		MON			0 SANDIA NATIONAL LABORATORIES	ED	C 02664			Shallow	3 3 2	05	23S	31E	613049	3578138	W

Record Count: 1

POD Search:

POD Number: C 02664

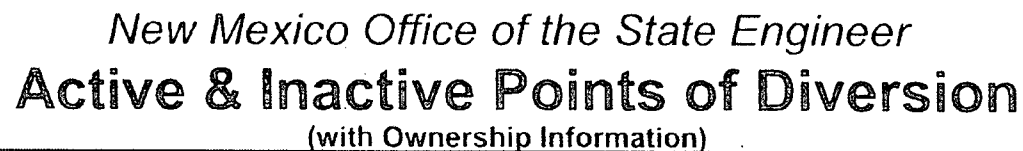
Sorted by: File Number

\*UTM location was derived from PLSS - see Help

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### 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		County	Q Q Q Q				Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
	Code	Sub-		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
<u>C 03615 POD1</u>		C	ED	1	3	2	06	24S	29E		591964	3568500		60	36 24
<u>C 03615 POD2</u>		C	ED	4	2	4	06	24S	29E		592661	3568013		60	26 34

Average Depth to Water: 21 feet

Minimum Depth: 4 feet

Maximum Depth: 36 feet

Record Count: 11

PLSS Search:

Township: 24S

Range: 29E

\*UTM location was derived from PLSS - see Help

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11/12/13 10:06 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)

WR File Nbr	Sub 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

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

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

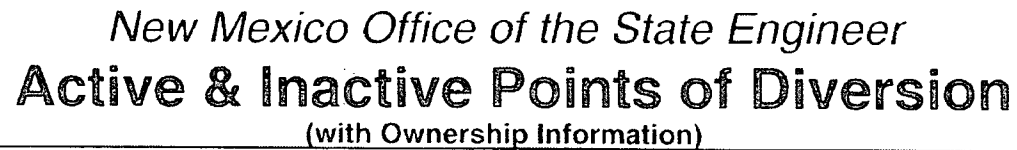
Source	6416 4	Sec	Tws	Rng	X	Y
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### ACTIVE & INACTIVE POINTS OF DIVERSION



Shallow 1 3 2 06 24S 29E 591963 3569500 

### ACTIVE & INACTIVE POINTS OF DIVERSION



### ACTIVE & INACTIVE POINTS OF DIVERSION



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

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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
<u>C 02108</u>			ED	1	3	08	24S	30E		602702	3566487*	200	186	14
<u>C 02109</u>			ED	1	2	4	19	24S	30E	602130	3563412	130	150	-20
<u>C 02110</u>			ED	4	3	23	24S	30E		608036	3562950*	600	400	200
<u>C 02780</u>			ED	2	3	2	23	24S	30E	608535	3563857*	505		
<u>C 02781</u>			ED	4	3	2	23	24S	30E	608535	3563657*	624		
<u>C 02782</u>			ED	4	3	2	23	24S	30E	608535	3563657*	808		
<u>C 03558 POD1</u>	C	ED	1	2	2	25	24S	30E		610412	3562651	20	0	20
<u>C 03558 POD2</u>	C	ED	1	2	2	25	24S	30E		610412	3562651	20	0	20
<u>C 03558 POD3</u>	C	ED	1	2	2	25	24S	30E		610412	3562651	25	0	25
<u>C 03558 POD4</u>	C	ED	1	2	2	25	24S	30E		610412	3562651	25	0	25
<u>C 03558 POD5</u>	C	ED	1	2	2	25	24S	30E		610412	3562651	30	0	30

Average Depth to Water: 92 feet

Minimum Depth: 0 feet

Maximum Depth: 400 feet

Record Count: 11

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Township: 24S

Range: 30E

\*UTM location was derived from PLSS - see Help

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10/15/13 4:34 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# 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)						
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 02108		STK	3	A PARTNERSHIP M&M CATTLE CO	ED	C 02108			1 3	08	24S	30E	602702	3566487	

Record Count: 1

### POD Search:

POD Number: C 02108

### PLSS Search:

Township: 24S Range: 30E

Sorted by: File Number

\*UTM location was derived from PLSS - see Help

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WR File Nbr	(acre ft per annum)				County	POD Number	Code	Grant	C=the file is closed)	(quarters are smallest to largest) (NAD83 UTM in meters)							
	Sub basin	Use	Diversion	Owner						q	q	q	X	Y			
C 02110	STK		3	CLARENCE W. McDONALD	ED	C 02110					4	3	23	24S	30E	608036	3562950

Sorted by: File Number

### ACTIVE & INACTIVE POINTS OF DIVERSION













# New Mexico Office of the State Engineer Water Column/Average Depth to Water

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water right file.)

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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							X	Y	Depth Well	Depth Water	Water Column
	Sub- Code	basin County	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

## Basin/County Search:

Basin: Carlsbad

County: Eddy

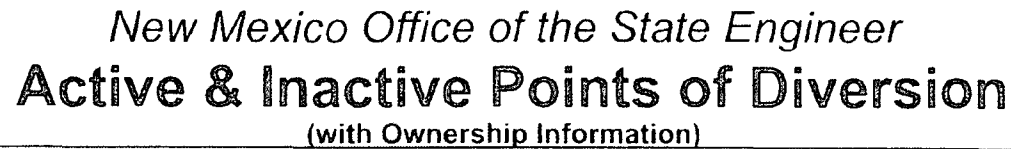
## PLSS Search:

Township: 24S






Range: 31E

\*UTM location was derived from PLSS - see Help

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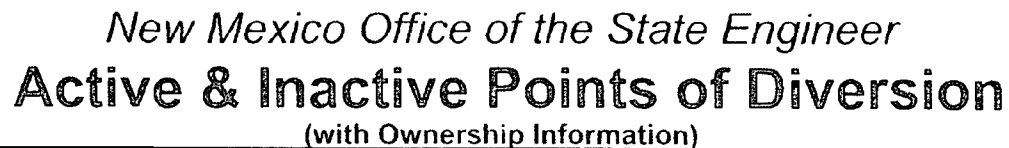
(quarters are smallest to largest) (NAD83 UTM in meters)

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

**Sorted by:** File Number

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Shallow 3 4 1 02 24S 31E 617589 3568530

### ACTIVE & INACTIVE POINTS OF DIVERSION



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW#### in the  
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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
<u>C 01337</u>	C	ED		2	1	30	25S	29E		591926	3552642*	180	30	150
<u>C 01880</u>	C	ED		3	3	2	06	25S	29E	592161	3558605*	85	40	45
<u>C 02371</u>	C	ED		2	3	15	25S	29E		596741	3555106*	200	60	140
<u>C 02459</u>	C	ED		4	4	1	02	25S	29E	598422	3558663*	150		
<u>C 02518</u>	C	ED		3	4	08	25S	29E		593895	3556300*	462		
<u>C 02680</u>	C	ED		2	3	15	25S	29E		596741	3555106*	200		
<u>RA 07162 EXP2</u>		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 NMOS/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)										
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 01337	C	STK		3 JAMES NYMEYER	ED	C 01337			Shallow	2	1	30	25S 29E	591926	3552642'

Record Count: 1

POD Search:

POD Number: C 01337

Sorted by: File Number

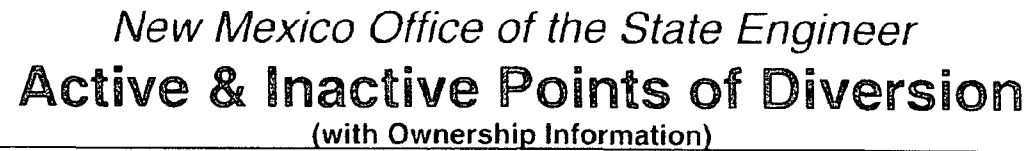
\*UTM location was derived from PLSS - see Help

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Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



(acre ft per annum)					C=the file is closed)		(quarters are smallest to largest) (NAD83 UTM in meters)									
WR File Nbr	Sub	Use	Diversion	Owner	County	POD Number	Code Grant	q q q					X	Y		
	basin							Source	6416 4	Sec	Tws	Rng				
<u>C 0188U</u>	C	PRO		GULF OIL CORPORATION	ED	<u>C 0188U</u>		Shallow	3	3	2	06	25S	29E	592161	3558605*

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  
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& 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	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

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Township: 25S

Range: 30E

\*UTM location was derived from PLSS - see Help

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10/16/13 2:43 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER











# New Mexico Office of the State Engineer Water Column/Average Depth to Water

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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	
<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

## Basin/County Search:

Basin: Carlsbad

County: Eddy

## 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)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	6416	4	Sec	Tws	Rng	X	Y
C 02250		STK		3 BUCK JACKSON TRUST	ED	C 02250				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.

10/16/13 2:47 PM



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

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December 04, 2013

JODY WALTERS

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: POKER LAKE UNIT #227

Enclosed are the results of analyses for samples received by the laboratory on 12/02/13 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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](http://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,

Celey D. Keene

Lab Director/Quality Manager



**Analytical Results For:**

 Bass Enterprises  
 JODY WALTERS  
 522 W. Mermod #709  
 Carlsbad NM, 88220  
 Fax To: (505) 887-7473

 Received: 12/02/2013  
 Reported: 12/04/2013  
 Project Name: POKER LAKE UNIT #227  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 12/02/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1' (H302915-01)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	12/04/2013	ND	416	104	400	0.00	

**Sample ID: SP 3 @ 1' (H302915-02)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	12/04/2013	ND	416	104	400	0.00	

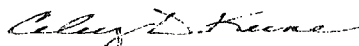
**Sample ID: SP 2 @ 8' (H302915-03)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/04/2013	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

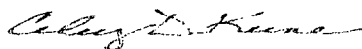
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received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

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\*=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</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																													
Project Manager: <u>Amy Ruth</u>				P.O. #:				<div>chloride TPH BTEX</div>																													
Address: <u>3912 Del Paso</u>				Company: <u>BoPCO</u>																																	
City:		State:		Zip:		Attn: <u>Tony</u>																															
Phone #:		Fax #:		Address:																																	
Project #:		Project Owner: <u>BoPCO</u>		City:																																	
Project Name: <u>P.L.U. #227</u>				State: Zip:																																	
Project Location:				Phone #:																																	
Sampler Name:				Fax #:																																	
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING																					
						GROUNDWATER		WASTEWATER		SOIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME													
H300915						G		1		X						X		12-2-13		10:40		X															
1 SP121						G		1		X						X		12-2-13		2:15		X															
2 SP321						G		1		X						X		12-2-13		1:36		X															
3 SP208						G		1		X						X																					

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>Miguel Gomez</u>		Date: <u>12/2/13</u>		Received By: <u>Jodi Benson</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: <u>4:35</u>		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Time:				REMARKS: <u>SJwalter@Basspet.com</u> <u>Aruth@diversifiedfsi.com</u>			
Delivered By: (Circle One)		Sample Condition		CHECKED BY:					
Sampler - UPS - Bus - Other: <u>4.20</u>		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		<u>JA</u>					
		Yes <input type="checkbox"/> No <input type="checkbox"/>							

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

#54



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

---

December 06, 2013

JODY WALTERS

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: POKER LAKE UNIT #227

Enclosed are the results of analyses for samples received by the laboratory on 12/03/13 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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](http://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, reading "Coley D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

Bass Enterprises  
JODY WALTERS  
522 W. Mermod #709  
Carlsbad NM, 88220  
Fax To: (505) 887-7473

Received: 12/03/2013  
Reported: 12/06/2013  
Project Name: POKER LAKE UNIT #227  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 12/03/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 1' (H302928-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	12/05/2013	ND	416	104	400	0.00	

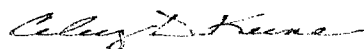
**Sample ID: SP 5 @ 1' (H302928-02)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	12/05/2013	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

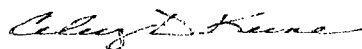
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received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

---

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2826

es to (575) 39  
#51

# Appendix V

FINAL FORM C-141

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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

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: BOPCO	Contact: Tony Savoie
Address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220	Telephone No. 432-556-8730
Facility Name: Poker Lake Unit #227 2RP-774	Facility Type: E&P
Surface Owner Federal	Mineral Owner Federal
API No. 30-015-33929	

LOCATION OF RELEASE

Unit Letter P	Section 30	Township 24S	Range 30E	Feet from the 330	North/South Line South	Feet from the 560	East/West Line East	County Eddy
------------------	---------------	-----------------	--------------	----------------------	---------------------------	----------------------	------------------------	----------------

Latitude 32.86647 Longitude 103.8571

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release 50bbbls	Volume Recovered 0
Source of Release: 2" poly line connected to a water transfer pump	Date and Hour of Occurrence 4/19/11 time unknown	Date and Hour of Discovery: 04/19/11 at 7:29 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.* A 2" poly line failed where it was connected to a water transfer pump. The pump was shut down causing the flow of water to stop. The poly line was repaired later that evening.		
Describe Area Affected and Cleanup Action Taken.* The produced water traveled down a lease road for approximately 900 ft and approximately 1200 ft. down an arroyo. The BLM agreed to wash the road and arroyo down with fresh water and capture the excess using a vacuum truck. On 04/25/11 approximately 300 bbls of fresh water was used to rinse the leak area. The area immediately south of the source that was not included in the wash activities, was delineated. Soil samples were field screened and submitted to a commercial lab for confirmation. Based on sample results, the impacted areas not previously washed were excavated and a liner was installed in the area of highest chloride concentration. The excavations were backfilled with clean, imported soil and leveled.		
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>[Signature]</i>	
Title: Waste Mgmt. & Remediation Specialist	Approval Date: 5/6/14	Expiration Date: NA
E-mail Address: TASavoie@BassPet.com	Conditions of Approval: <i>Final</i>	Attached <input type="checkbox"/>
Date: 5/12/14	Phone: 432-556-8730	

\* Attach Additional Sheets If Necessary

4/29/14

