

# BOPCO PLU #227

## **CLOSURE REPORT**

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

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#### PLU #227

#### 1 Introduction

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

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.

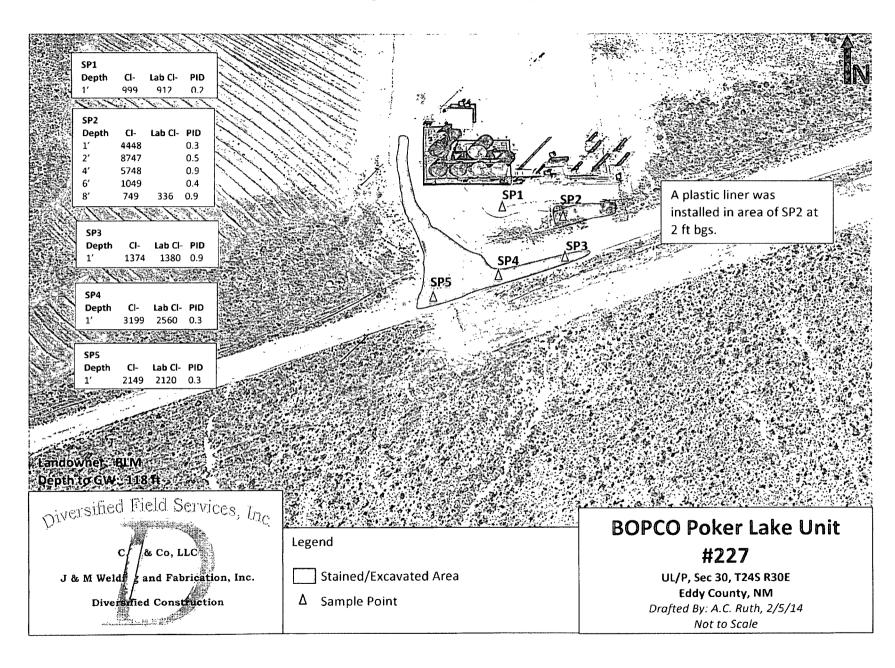
All impacted soils were removed to an NMOCD approved disposal facility. Photographs of site activities can be viewed in Appendix II.

#### 3 Conclusion

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.

Diversified Field Service, Inc.

#### 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
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IY
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																
nMLBIII.						OPERATOR   Initial Report   Final Report										
Name of Co				260737		Contact Ton										
		ake Unit #2		ad, N.M. 88220		Telephone Near Facility Typ	No. 432-556-873	30 SW)								
Surface Ow	ner Federa	.1		Mineral O	wner F	er Federal Lease No.										
			·			ION OF RELEASE										
Unit Letter P	Section 30	Township 24S	Range 30E	Feet from the	North/	South Line	Feet from the	East/W	est Line	E County Eddy						
			L	atitude_N 32.18	1191	Longitude	e W 103.91429			-						
				NAT	URE	OF RELI			<del> </del>							
Type of Release	ase: Produc	ed water				Volume of produced v	Release: 50 bbis		Volume I	Recovered:	none					
Source of Re	lease: 2' po	ly line connec	١,	Date and H	lour of Occurrence			Hour of Dis t 7:29 p.m.	covery							
Was Immedia	ate Notice C		Yes [	No □ Not Re	auired	If YES, To		<u>-</u>		· .						
By Whom?						Date and F	lour									
Was a Water	course Reac			•			lume Impacting	the Water	rcourse.							
			Yes 🛭									:				
If a Watercou							**************************************		ħ	ECEIV May 04	2011					
Describe Cau A 2" poly line repaired later	e failed whe	ere it was con	dial Action	n Taken.* 1 water transfer pu	mp. The	e pump was s	hut down causing	g the flow	· GWM	agr Af	ŢĘSĮ.	A.J.a.s				
width where i area on 4/20/ into the wash	I water trave it traveled a 11 and agre- area. On 4/	eled down a le pproximately ed to wash the 25/11 approxi	ease road f 1200 ft. b traverse imately 30	ten.* for approximately efore dumping int area down with fre 00 bbls of fresh wa ted at the end. The	o anoth sh wate iter was	er wash area, er and use a v used to rinse	traveled approximacuum truck to co down the road a	mately 30 apture the nd gully,	0 ft. and st e rinsed w a 2" poly	topped. The rater at the p line was lai	BLM rev	riewed the				
regulations al public health should their o	I operators or the environment of the environment on the environment of the environment. In accordance of the environment of th	are required to conment. The ave failed to a ddition, NMO	o report ar acceptance idequately ICD accep	is true and completed in the second in the second in the second investigate and restance of a C-141 report in the second in the	clease no rt by the emediate	otifications a ≥ NMOCD m e contaminati	nd perform correct arked as "Final R on that pose a thr	ctive action deport" de reat to gre	ons for rel oes not rel ound wate	leases which lieve the ope r. surface w	n may ence erator of leater, hum	langer liability an health				
							OIL CON	SERY.	ATION	DIVISI	<u> NC</u>					
Signature:	1 as	<u>-</u> 25 a	ence	<u>.                                    </u>		Annroved by	DiSiRPShBYvis	alite	BRA	West.						
Printed Name	: Tony Save	oie					District Supervis				·					
Title: Waste	Mgmt.& Re	mediation Spo	ecialist			Approval Dat	c: 5/5/20	)// E	Expiration	Date:						
E-mail Addre	ss: TASavo	ie@BassPet.c	com		Conditions of Approval:  Remediation per OCD Rules &					Attache	Attached					
Date: 5/3/11				Phone:432-556-87	30 _		ation per OCD <b>SUBMIT REM</b> I									
* Attach Addit	ional Shee	ts [f Necess:	ary		G		NOT LATER TH		<b>⊅1 8</b>	21	2p-	774				

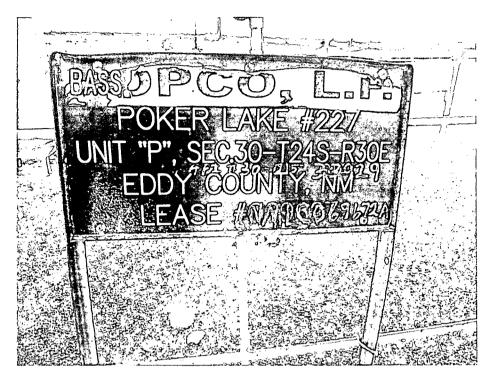
# Appendix II

#### SITE PHOTOGRAPHS

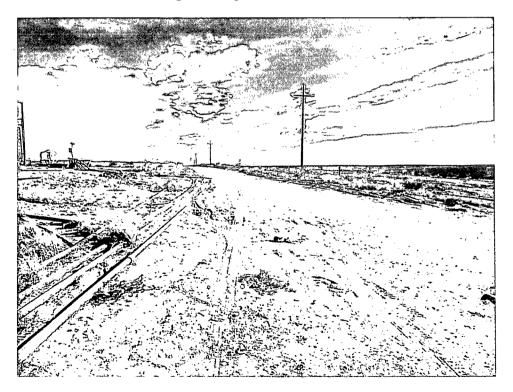
Diversified Field Service, Inc. 3412 N. Dal Paso Hobbs, NM 88240 (575) 964-8394

#### **BOPCO Poker Lake Unit #227**

Unit Letter P, Section 30, T24S R30E



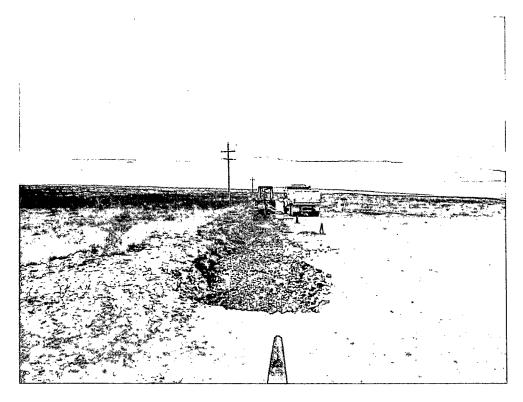
Sign marking location 11/17/13



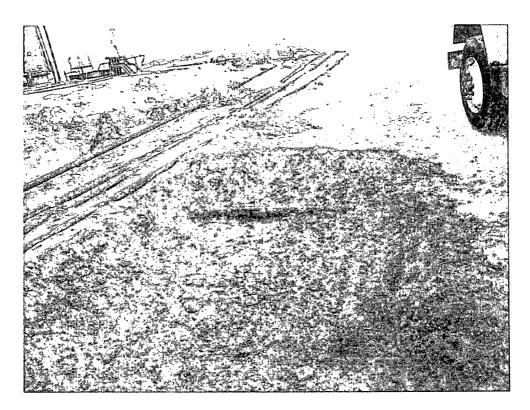
Spill location SW of lease road 11/20/13



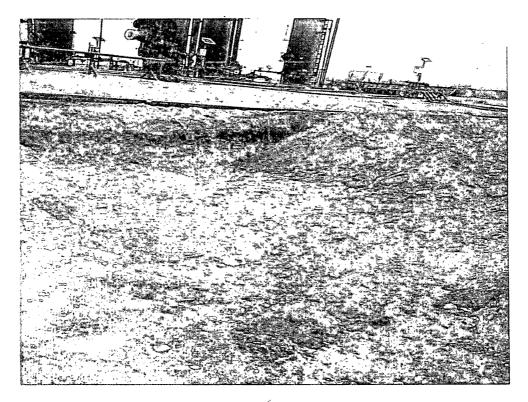
Impacted soil on lease road 12/03/13



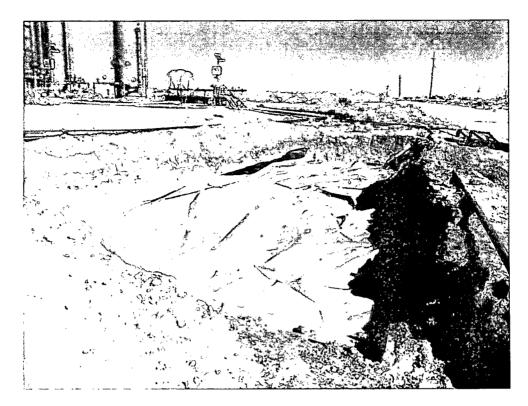
Excavation left of road way 12/03/13



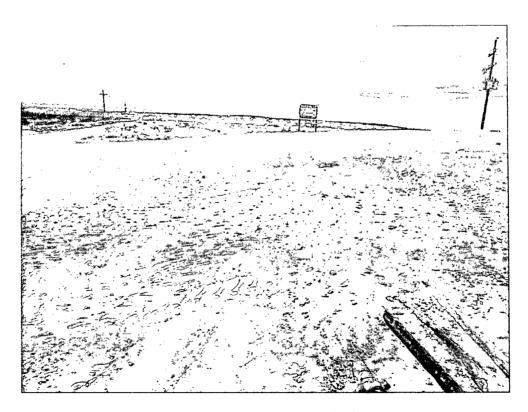
Excavation of poly line area 12/11/13



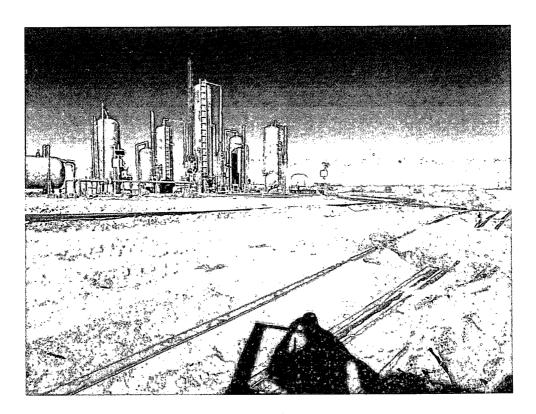
Excavation of impacted site area 12/12/13



Lined area 12/14/13



Lease Road at completion 12/13/13



Lined area at completion 01-02-13

# Appendix III

#### **GROUNDWATER DATA**

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

#### **DEPTH TO GROUNDWATER**

#### BOPCO PLU #227

UL:	<u>Р</u> 5ес:		K:	301
Groundwa	ater Depth:	~118	ft. average	d
<ul><li>• = NM Office of the</li><li>• = U.S. Geological S</li><li>□ = Site Location</li></ul>	e State Engineer Survey (unknown well)	NMOCD GN	ft bgs Date: 12/23/13 By: Amy Ruth	
			354' S Labs MON	
		85' JM Trst COM	o o o 168' USBLM	STK
10' IM	ICK 2011MCK		• 125' JM Trst STK	
16' Mosaic MON	23S 29E	23S 30E	23S 31E	
38' JG IRR 30' SF Energy PRO/DE	44' Mosaic MON	440' BLM STK	16017(0	DO CDDS CAA/iDD
36' SWS Co MON 26' SWS Co MON	o		160 Texaco/P	RO, GRR&CM/IRR
20 3003 CO 101010		186' M&M Cattle Co		Pub Lands PRO
4' USGS PRO/	24S 29E	24S 30E	24S 31E	. 05 201103 1 110
		₩ °400	o' cw	
40' Gulf Oil PRO/DEV	0	Mo	donald STK	
	40' AGC DOM			
	60' TKWC Bank STK	<b>25</b> S 30E	<b>25S 31E</b> • 390' BJT STK	
	°30' IN 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,

POD

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

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

	Sub-			Q		_	_	_	.,	.,			-	Water
POD Number C 00571	Code basin C	ED ED					1 ws	-	X 591241	3570957*	₩	Well 89	water 38	Column 51
C 00571 CLW241602	0	ED	3	3	3	30	23S	29E	591241	3570757*	<del>ظه</del> ا	89	38	51
C 01217 S		ED	4	1	4	16	235	29E	595413	3574403	4	350		
C 01627	С	ED	1	4	4	28	238	29E	595649	3570959*	áy.	170		
C 02182	С	ED			4	30	238	29E	592328	35710481	d	75	30	45
C 02608		ED	3	1	4	17	23S	29E	593598	3574387*	4	400		
C 02613		ED	4	4	2	20	238	29E	594203	3573176	4	400		
C 02704	С	ED			1	19	23S	29E	591531	3573493*	Ÿ	174		
<u>C 02705</u>	С	ED			2	17	23\$	29E	593902	3575093*	4	68	28	40
C 02706	С	ED			4	18	238	29E	592302	3574291	¥	17	10	7
C 02707	С	ED			2	28	235	29E	595535 <sup>-</sup>	3571868	dy.	40	18	22
<u>C 02715</u>		ED	4	1	3	15	23S	29E	596221	3574411	4	400		
<u>C 02716</u>		ED	4	4	4	16	23S	29E	595818	3574002*	₩	400		
C 02717		ED	4	2	4	16	23\$	29E	595817	3574407*	¥	400		
C 02718		ED	4	4	2	16	23S	29E	595816	3574812*	¥	400		
<u>C 02720</u>		ED		2	1	21	235	29E	594911	3573690*	Y	150		
C 02721		ED		2	3	21	238	29E	594915	3572879*	4	150		
C 02792		ED		4	3	04	23S	29E	594868	3577336*	4	200		
C 02793		ED		4	3	04	238	29E	594868	35773361	4	100		
C 02794		ED		4	3	10	23S	29E	596518	3575731*	¥	100		
C 02795		ED		4	3	10	23\$	29E	596518	3575731*	W	200		
C 02797		ED		2	3	22	23S	29E	596540	3572895*	8	200		
C 02804		ED		2	1	80	238	29E	593262	3576905*	4	100		
C 02805		ED		2	1	80	235	29E	593262	3576905*	ď	100		
C 02806		ED		1	1	09	23S	29E	594473	3576927*		100		
C 02807		ED		1	1	09	23\$	29E	594473	3576927*	₩	100		

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)				W 2=NE 3=SV lest to largest	-	33 UTM in meters)		(In leet)	
	POD		_						
POD Number	Sub- Code basin Cou	Q Q ntv 64 16		: Tws Rna	х	<b>Y</b>		Depth Water Col	
C 02808	E			23S 29E	594909	3574501*	100		
C 02809	E	2	3 16	23S 29E	594909	3574501°	100		
C 03057 EXPLORE	E	) 4 1	1 21	23S 29E	594605	3573586* 😽	150		
C 03058 EXPLORE	E	) 4 1	1 16	23S 29E	594605	3575206* 😽	150		
C 03059 EXPLORE	E	4 1	3 17	23S 29E	592993	3574378' 😽		65	
C 03587 POD1	C E	) 14	3 29	23S 29E	593338	3570754 😽	99	44	55
C 03587 POD2	C E	1 2	4 19	23S 29E	592213	3572706 😽	77	16	61
						Average Depth to	Water:	31 feet	
						Minimun	n Depth:	10 feet	

Record Count: 33

PLSS Search:

Fownship: 23S Range: 29E

Maximum Depth:

65 feet



#### Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced and no longer serves this file.

C≈the file is closed)

Code Grant

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

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

qqq

Source 6416 4 Sec Tws Rng

591241 3570957\* Shallow 1 3 3 30 23S 29E

Shallow 1 3 3 30 23S 29E

0.03121

C 00571

WR File Nbr

DOL

Sub

(acre tt per annum)

basin Use Diversion Owner

362.4 JOHNNIE GIOVENGO, JR.

3. JOHNNIE GIOVENGO, JR.

County POD Number ED C 00571

ED C 00571

Record Count: 2

POD Search:

POD Number: C 00571

Sorted by: File Number

'UTM location was derived from PLSS - see Help

The data is turnished 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



#### Active & Inactive Points of Diversion

(with Ownership Information)

(RePOD has been replaced

C=the file is closed)

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

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

q q q

Source 6416 4 Sec Tws Rng

WR File Nbr C 02182

basin Use Diversion Owner

(acre ft per annum)

0 SANTA FE ENERGY

County POD Number ED C 02182

Code Grant

4 30 23S 29E

592328 3571048\*

Record Count: 1

POD Search:

POD Number: C 02182

Sub

C PRO

Sorted by: File Number

'UTM location was derived from PLSS - see Help

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11/12/13 10:45 AM

Page 1 of 1



#### **Active & Inactive Points of Diversion**

(with Ownership Information)

(R≈POD has been replaced

C=the file is closed)

and no longer serves this file. (quarters are 1=NW 2=NE 3=SW 4=SE)

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

999

Source 6416 4 Sec Tws Rng

(acre ft per annum)

Sub

C

basin Use Diversion Owner

0 IMC KALIUM

County POD Number ED C 02705

Code Grant

2 17 23S 29E

593902 3575093

Record Count: 1

WR File Nor

C 02705

POD Search:

POD Number: C 02705

Sorted by: File Number

'UTM location was derived from PLSS - see Help



#### Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

C=the file is closed)

and no longer serves this file. (quarters are 1=NW 2=NE 3=SW 4=SE)

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

Source 6416 4 Sec Tws Rng

592302 3574291

WR File Nbr 0 02706

basin Use Diversion Owner 0 IMC KALIUM

(acre II per annum)

County POD Number ED C 02706

Code Grant

4 18 23S 29E

Record Count: 1

POD Search:

POD Number: C 02706

Sub

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**

(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)

q q q

Source 6416 4 Sec Tws Rng 2 28 23S 29E

595535 3571868\*

(acre it per annum)

Sub

basin Use Diversion Owner

0 IMC KALIUM

County POD Number ED C 02707

Code Grant

Record Count: 1

WR File Nbr

C 02707

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**

(with Ownership Information)

(R=POD has been replaced and no longer serves this file. (quarters are 1=NW 2=NE 3=SW 4=SE) Cathe lite is closed)

Code Grant

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

q q q

Source 6416 4 Sec Tws Rng Shallow 1 4 3 29 23S 29E

3570754 593337

(acre fi per annum)

Sub

basin Use Diversion Owner

0 MOSAIC POTASH CARLSBAD INC

County POD Number

ED C 03587 POD1

Record Count: 1

POD Search:

WR File Nbr

C 03587

POD Number: C 03587 POD1

MON

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			Q 16		Sec	Tws	Rng	x	Y		•		Water Column	
C 02095		ED		2	3	34	23\$	30E	606337	3569759*	4	554	440	114	
C 02486	С	ED	3	2	3	19	238	30E	601304	3572832	4	350			
<u>C 02770</u>		ED	4	4	1	14	23S	30E	608004	3574921	4	286			
C 02771		ED	1	2	3	14	238	30E	607807	3574718*	4	295			
C 02772 POD1	С	ED	4	4	1	14	23S	30∈	608043	3574840	ij	300			
C 03139		ED	4	2	4	01	235	30E	610424	3577764	₩	425			
C 03222 EXPLORE		ED	1	1	4	12	238	30E	609833	35763491	÷	365			
C 03478 POD1	С	ED	2	2	1	21	23S	30E	604825	3573894	رية	30C			
C 03559 POD1	С	ED	4	3	2	01	23\$	30E	609928	3578260	₩	50	0	50	
C 03559 POD2	С	ED	4	3	5	01	238	30E	609928	3578260	4	25	0	25	
C 03559 POD3	С	ED	4	3	2	01	238	30E	609928	3578260	ارية	20	0	20	
C 03559 POD4	С	ED	4	3	2	01	23S	30E	609928	3578260	₩	25	0	25	
C 03559 POD5	С	ED	4	3	2	01	238	30E	609912	3578236	Ś	50			

Average Depth to Water:

88 feet

Minimum Depth:

0 feet

Maximum Depth:

440 feet

Record Count: 13

PLSS Search:

Township: 23S

Range: 30E

<sup>\*</sup>UTM location was derived from PLSS - see Help



#### Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

C=the file is closed)

Code Grant

and no longer serves this file. (quarters are 1=NW 2=NE 3=SW 4=SE)

2 3 34 23S 30E

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

qqq

Source 6416 4 Sec Tws Rng

606337 3569759\*

(acre ft per annum)

Sub

STK

basin Use Diversion Owner

8 BUREAU OF LAND MANAGEMENT

ED C 02095

**County POD Number** 

Record Count: 1

WR File Nbr

C 02095

POD Search:

POD Number: C 02095

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.)

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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 C	ounty		Q (		- Twe	Rna	x	Y		•	Depth Water	Water Column
C 02258		ED				238	_	618055	3571853*		662		
C 02348	С	ED	1	4 3	26	23S	31E	617648	3571068	ġ	500		
<u>C 02492</u>		ED	4	4 4	06	23S	31E	612056	3577320	4	135	85	50
C 02492 POD2	С	ED	3	2 2	2 07	238	31E	611767	3576996	4	400	125	275
C 02664		ED	3	3 2	05	23\$	31E	613049	3578138*	4	4291	354	3937
C 02725		ED	1	1 1	05	23\$	31E	612240	3578731*	₩	532		
C 02773		ED	4	1 3	03	23S	31E	615668	3577762*	V	880		
C 02774		ED	3	1 3	04	23S	31E	613857	3577745*	4	1660		
C 02775		ED	1	1 1	05	23\$	31E	612240	3578731	섷	529		
C 02776		ED	2	1 1	05	238	31E	612440	3578731	₩	661		
C 02777		ED	2	2 2	15	23S	31E	616905	3575562*	¥	1001		
C 02865		ED	4	4 4	06	238	31E	612056	35773201	₩	174		
C 02954 EXPL		ED	3	1 4	20	23\$	31E	613114	3572906*	₩	905		
C 03140		ED	4	2 4	04	23S	31E	615266	3577758*	4	684		
C 03351	. С	ED	4	1 4	04	238	31E	614917	3577861	Ą	320	168	152
C 03520 POD1	С	ED	3	1	07	23\$	31E	610733	3576905	₩	500		

Average Depth to Water:

Minimum Depth:

85 feet

Maximum Depth: 354 feet

Record Count: 16

PLSS Search:

Township: 23S

Range: 31E

<sup>&#</sup>x27;UTM location was derived from PLSS - see Help



#### **Active & Inactive Points of Diversion**

(R=POD has been replaced

C=the file is closed)

Code Grant

(with Ownership Information)

(acre it per annum)

Sub

WR File Nbr basin Use Diversion Owner

C STK

C 02492

C 03658

105 THE JIMMY MILLS GST TRUST

3 J T MILLS 2005 GST TRUST

County POD Number

ED C 02492

C 02492 POD2

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

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

999

Source 6416 4 Sec Tws Rng Shallow 4 4 4 06 235 31E

612056 3577320

Shallow 3 2 2 07 23S 31E

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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#### **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)

9 9 9

Source 6416 4 Sec Tws Rng

(acre it per annum)

Sub

basin Use Diversion Owner

3 JT MILLS 2005 GST TRUST

**County POD Number** ED C 02492 POD2 Code Grant

Shallow 3 2 2 07 235 31E

611767 3576996

Record Count: 1

10/15/13 3:53 PM

WR File Nbr

C 03668

POD Search:

POD Number: C 02492 POD2

Sorted by: File Number

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### **Active & Inactive Points of Diversion**

(with Ownership Information)

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

Code Grant

and no longer serves this file. (quarters are 1=NW 2=NE 3=SW 4=SE)

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

999

Source 6416 4 Sec Tws Rng Shallow 3 3 2 05 23S 31E

613049 3578138

WR File Nbr C 02664 Sub basin Use Diversion Owner

(acre ft per annum)

0 SANDIA NATIONAL LABORATORIES

County POD Number

ED C 02664

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**

(with Ownership Information)

(acre ft per annum)

WR File Nbr basin Use Diversion Owner

C 03351

3 UNITED STATES BUREAU OF LAND MANAGEMENT

County POD Number ED C 03351

Code Grant

(R=POD has been replaced

C=the file is closed)

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

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

q q q

Source 6416 4 Sec Tws Rng Shallow 4 1 4 04 23S 31E

Record Count: 1

POD Search:

POD Number: C 03351

Sorted by: File Number

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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a

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

C=the file is

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

water right file.)	close	closed)			ed) (quarters are smallest to largest) (NAD83 UTM in meters							eters)	) (In feet)				
POD Number	Code	POD Sub- e basin	County		Q 16			Twe	Rna	х	Y		•	•	Water Column		
C 00349	C	CUB	ED	0.				245	-	591401	3564773		2734	Water	Ooranni		
C 00381	С	С	ED	3	2	3	07	248	29E	591682	3566297*	4	2797				
C 00463		С	ED	4	4	4	17	24\$	29E	594332	35642821	4	260	4	256		
C 00856			ED	1	2	4	30	248	29E	592538	3561644*	څځ	380				
C 00857			ED	3	1	4	30	24S	29E	592135	3561440*	÷	306				
C 00862			ED	1	2	4	30	248	29E	592538	3561644*	<b>∻</b>	155				
C 00863			ED	3	3	1	16	24\$	29E	594524	3565091	ఫ్ర	220				
C 00863 CLW199506	0		ED	3	3	1	16	248	29E	594524	3565091	₩	220				
C 02713		С	ED	4	4	1	16	248	29E	591633	3565944	\$	230	18	212		
C 03615 POD1		С	ED	1	3	2	06	248	29E	591964	3568500	<b>Š</b>	60	36	24		
C 03615 POD2		C	ED	4	2	4	06	248	29E	592661	3568013	خ	60	26	34		

21 feet Average Depth to Water:

> Minimum Depth: 4 feet

Maximum Depth: 36 feet

Record Count: 11

PLSS Search:

Township: 24S

Range: 29E



#### **Active & Inactive Points of Diversion**

(with Ownership Information)

(R≈POD has been replaced

C=the tite is closed)

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

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

Source 6416 4 Sec Tws Rng

WR File Nbr C 00463

basin Use Diversion Owner

(acre ft per annum)

0 U.S. GEOLOGICAL SURVEY

County POD Number ED C 00463

Code Grant

Shallow 4 4 4 17 24S 29E

594332 3564282

Record Count: 1

POD Search:

POD Number: C 00463

Sub

Sorted by: File Number

\*UTM location was derived from PLSS - see Help

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#### **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) (INAD83 UTM in meters)

q q q

Source 6416 4 Sec Tws Rng

Shallow 4 4 1 16 24S 29E

591633

3565944

C 02713 C 03360

WR File Nbr

PRO

Sub

basin Use Diversion Owner 645 RED BLUFF WATER POWER CONTROL ED C 02713

0 REEF EXPLORATION

DISTRICT

County POD Number

ED 0 02713

Code Grant

Shallow 4 4 1 16 24S 29E

591633

Record Count: 2

POD Search:

POD Number: C 02713

Sorted by: File Number

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#### **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=tne file is closed)

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

q q q

Source 6416 4 Sec Tws Rng

WR File Nbr C 03615

Sub basin Use Diversion Owner

(acre It per annum)

U SOUTHWEST SALT COMPANY LLC

**County POD Number** ED C 03615 POD1

Code Grant

Shallow 1 3 2 06 24S 29E

591963

3569500 🚙

#### Record Count: 1

POD Search:

POD Number: C 03615 POD1

Sorted by: File Number

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#### **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)

Source 6416 4 Sec Tws Rng

وسنة 3568013

WR File Nbr C 03615

basin Use Diversion Owner

(acre tt per annum)

0 SOUTHWEST SALT COMPANY LLC

County POD Number ED C 03615 POD2 Code Grant

Shallow 4 2 4 06 24S 29E

592661

Record Count: 1

POD Search:

POD Number: C 03615 POD2

Sub

Sorted by: File Number

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

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

closed)

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	Code	POD Sub- basin	County		-	Q 4		Tws	Rnq	x	Y		•	•	Water Column	
C 02108			ED					248	•	602702	3566487*	V	200	186	14	
C 02109			ED	1	2	4	19	248	30E	602130	3563412	V	130	150	-20	
C 02110			ED		4	3	23	248	30E	608036	3562950	Ť	600	400	200	
C 02780			ED	2	3	2	23	24S	30E	608535	3563857*	V	505			
C 02781			ED	4	3	2	23	24\$	30E	608535	3563657*	Ś	624			
C 02782			ED	4	3	2	23	248	30E	608535	3563657*	V	808			
C 03558 POD1		С	ED	1	2	2	25	24S	30E	610412	3562651	8	20	0	20	
C 03558 POD2		С	ED	1	2	2	25	24S	30E	610412	3562651	Ż	20	0	20	
C 03558 POD3		С	ED	1	2	2	25	248	30€	610412	3562651	Ś	25	0	25	
C 03558 POD4		С	ED	i	2	2	25	24\$	30E	610412	3562651	Ť	25	0	25	
C 03558 POD5		С	ED	1	2	2	25	245	30E	610412	3562651	57	30	0	30	

Average Depth to Water: 92 feet

Minimum Depth: 0

0 feet

Maximum Depth: 400 feet

Record Count: 11

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Township, 24S

Range: 30E

<sup>\*</sup>UTM location was derived from PLSS - see Help



# Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

Code Grant

C=the file is closed)

and no longer serves this file. (quarters are 1=NW 2=NE 3=SW 4=SF)

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

9 9 9

Source 6416 4 Sec Tws Rng 1 3 08 245 30E

602702 3566487

(acre ft per annum)

Sub

basin Use Diversion Owner

3 A PARTNERSHIP M&M CATTLE CO

County POD Number

ED C 02108

Record Count: 1

WR File Nbr

C 02108

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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### **Active & Inactive Points of Diversion**

(with Ownership Information)

(R=POD has been replaced

C=the file is closed)

and no longer serves this tile. (quarters are 1=NW 2=NE 3=SW 4=SE)

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

4 9 9

Source 6416 4 Sec Tws Rng

WR File Nbr C 02110

basin Use Diversion Owner

(acre ft per annum)

3 CLARENCE W. MCDONALD

County POD Number ED C 02110

Code Grant

4 3 23 24S 30E

608036 3562950

Record Count: 1

POD Search:

POD Number: C 02110

Sub

STK

PLSS Search:

Township: 24S

Range: 30E

Sorted by: File Number

\*UTM location was derived from PLSS - see Help

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

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

O=orphaned. C=the file is closed)

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

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

(In feet)

	POD		^	^ ^			-				5 W.
POD Number	Sub- Code basin (			Q Q 16 4		Tws	Rng	Х	Y	•	Depth Water Water Column
C 02405	С	ED	é	4 1	02	24\$	31E	617690	3568631* 💠	275	160 115
C 02440	С	ED	;	2 3	10	248	31E	616103	3566599* 🎖	350	
C 02460	C	ED		3	02	24\$	31E	617496	3568022* 😽	320	
C 02460 POD2	С	ED		3	02	248	31E	617496	3568022* 😽	320	
<u>C 02464</u>	С	ED	3 4	4 1	02	24\$	31E	617589	3568530° 😽	320	205 115
C 02661		ED	3 :	3 1	04	248	31E	613969	3568485* 💝	708	
C 02783	CUB	ED	3 3	3 1	04	248	31E	613911	3568461 😽	708	
C 02783 POD2	С	ED	3 3	3 1	04	248	31E	613911	3568461 😽	672	
C 02784	С	ED	4 2	2 4	04	248	31E	613911	3568461 😽	584	
C 02785		ED	3 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



# **Active & Inactive Points of Diversion**

(with Ownership Information)

(R=POD has been replaced

				and no longer serves this file,	(quarters a	re 1=N\	W 2=NE 3≈SW 4	=SE)	
	(acre	ft per annum)		C=the file is closed)	(quarters a	ire smal	lest to largest) (	NAD83 UTM	in meters)
	Sub				q	44			
WR File Nbr	basin Use Di	version Owner	County POD Number	Code Grant	Source 64	164 S	ec Tws Rng	X	Y
C 00225 A	IRR	8.4 GREGORY ROCKHOUSE RANCH	ED <u>C 02405</u>		Shallow	4 1 0	2 24S 31E	617690	3568631*
C 01246 AO	IRR	47.82 CATHLEEN MC INTIRE	ED <u>C 02405</u>		Shallow	4 1 0	2 24S 31E	617690	3568631° 🌪
C 02405	C PRO	0 TEXACO EXPLORATION & PROD. IND	ED <u>C 02405</u>		Shallow	4 1 0	2 24S 31E	617690	35686311
C 02452	C PRO	0 TEXACO EXPLORATION & PROD INC	. ED C 02405		Shallow	410	2 24S 31E	617690	من 1568631

C 02405

Record Count: 5

C 02576

POD Search:

POD Number: C 02405

C PRO

**0 SONAT EXPLORATION COMPANY** 

Sorted by: File Number

\*UTM location was derived from PLSS - see Help

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10/16/13 11:26 AM

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ACTIVE & INACTIVE POINTS OF DIVERSION

617690 35686311

4 1 02 24S 31E



## **Active & Inactive Points of Diversion**

(with Ownership Information)

(R=POD has been replaced

C=the file is closed)

and no longer serves this file. (quarters are 1=NW 2=NE 3=SW 4=SE)

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

Code Grant

Source 6416 4 Sec Tws Rng Shallow 3 4 1 02 24S 31E

617589 3568530

(acre it per annum)

Sub

basin Use Diversion Owner

0 COMMISSIONER OF PUBLIC LANDS

County POD Number ED C 02464

Record Count: 1

WR File Nor

C 02464

POD Search:

POD Number: C 02464

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 closed)

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

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

(In feet)

	POD Sub-		Q	Q	Q							Depth	Depth	Water
POD Number	Code basin	County	64	16	4	Sec	Tws	Rng	Х	Υ		Well	Water	Column
C 01337	С	ΕD		2	1	30	25S	29E	591926	3552642*	4	180	30	150
C 01880	С	ED	3	3	2	06	25\$	29E	592161	3558605*	4	85	40	45
C 02371	С	ED		2	3	15	25S	29E	596741	3555106*	4	200	60	140
C 02459	С	ED	4	4	1	02	25S	29E	598422	3558663*	¥	150		
C 02518	С	ED		3	4	80	25S	29E	593895	35563001	÷	462		
C 02680	С	ED		2	3	15	25S	29E	596741	3555106	4	200		
RA 07162 EXP2		ED	1	3	1	10	25S	29E	596214	3557222*	ځو پو	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



### Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

C=the tite is closed)

and no longer serves this file. (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

q q q

Source 6416 4 Sec Tws Rng

(acre ft per annum)

Sub

STK

basin Use Diversion Owner

3 JAMES NYMEYER

County POD Number ED C 01337

Code Grant

Shallow 2 1 30 25S 29E

591926 35526421

Record Count: 1

WR File Nor

C 01337

POD Search:

POD Number: C 01337

Sorted by: File Number

\*UTM location was derived from PLSS - see Help

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## **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)

999

Sub WR File Nbr

basin Use Diversion Owner

(acre tt per annum)

County POD Number

**Code Grant** 

Source 6416 4 Sec Tws Rng

C 01880

0 GULF OIL CORPORATION

ED C 01880

Shallow 3 3 2 06 25S 29E

592161 3558605

Record Count: 1

POD Search:

POD Number: C 01880

Sorted by: File Number

\*UTM location was derived from PLSS - see Help

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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a

(R=POD has been replaced. O=prohaned.

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

Sub-

QQQ

Depth Depth Water Well Water Column

POD Number

water right file.)

Code basin County 64 16 4 Sec Tws Rng

C 01379

4 4 3 10 25S 30E

606571 3556355\* 😽

Average Depth to Water:

Minimum Depth:

Maximum Depth:

Record Count: 1

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Township: 25S

Range: 30E



# 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) closed)

(In feet)

POD Number	POD Sub- Code basin County	QQQ y 64 16 4 Sec	c Tws Rng X		pth Depth Water Vell Water Column
C 02250	ED	3 1 4 21	25S 31E 614912	3553620* 😽 4	00 390 10
C 02568	ED	4 3 1 01	25S 31E 619103	3558892* 😽 10	25
C 02569	ED	4 4 2 02	25S 31E 618699	3558891* 😽 10	16
<u>C 02570</u>	ED	4 2 4 02	25S 31E 618704	3558489* 😽 8	95
C 02571	ED	4 1 2 02	25S 31E 618292	3559294* 😽 8	60
C 02572	ED	4 2 2 02	25S 31E 618695	3559294* 😽 8	52
C 02573	ED	1 4 2 02	25S 31E 618499	3559091* 😽	
C 02574	ED	1 1 2 02	25S 31E 618092	3559494* 😽	

Average Depth to Water: 390 feet

Minimum Depth: 390 feet

Maximum Depth: 390 feet

#### Record Count: 8

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Township: 25S

Range: 31E



### **Active & Inactive Points of Diversion**

(with Ownership Information)

(R=POD has been replaced

and no longer serves this fite. (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the tile is closed)

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

999

Sub WR File Nbr

basin Use Diversion Owner

(acre It per annum)

STK

3 BUCK JACKSON TRUST

County POD Number ED C 02250

Code Grant

Source 64164 Sec Tws Rng 3 1 4 21 25S 31E

614912 3553620

Record Count: 1

C 02250

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.



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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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.

aleg & Keene

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: Project Location:

NONE GIVEN NOT GIVEN

Sampling Date:

12/02/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

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

Chloride, SM4500Cl-B

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Result

912

Result

1380

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 12/04/2013 Method Blank NO

BS 416

8\$

416

104

% Recovery

True Value QC 400

Qualifier

0.00

RPD

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

Chloride, SM4500Cl-B

Analyte

mg/kg

Analyzed

12/04/2013

Analyzed By: AP

Method Blank

ND

% Recovery

104

True Value QC 400

RPD

0.00

Qualifier

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

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte Result Reporting Limit 336 Chloride 16.0

Analyzed 12/04/2013 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD 0.00 Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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 winting and received by Cardinal within thirty (30) days after completion of the applicable service. In no evert shall Cardinal be fiable for incidental or consequential dar including, without limitation, business interruptions, loss of use, or loss of profits included by Cardinal, requiredess of whether

Celeg & Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4



#### **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 ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. 4Il claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (20) days after completion of the applicable service. In no event shall cardinal be leadle for incidental or consequential damages, including, without limitation, pulsaress interruptions, loss of use, or loss of profits incurred by chent, to subsidence, affiliates or successors ansing out of or related to the performance of the services hareunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or outremise. Results relate only to the samples denoting above. This report shall not be reproduced except in full with written approval of Cardinal Laboratomes.

Celeg to Krena

Celey D. Keene, Lab Director/Quality Manager



#### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Address: 3412 Del City: Phone #: Project #: Project Name: D. L. U. # 2 Project Location:	State: Zip: Fax #: Project Owner: 72	30 CO	P.O. #:  Company: Sol O  Attn: To N  Address: City: State: Zip: Phone #: Fax #:  PRESERV. SAMPLING		10/5m	ANA	LYSIS F	REQUES	ST	
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1	Time:	
		1 19 110 126 COM
Delivered By: (Circle One)	Sample Condition CHECKED BY:	Ahuth@diversifiedFsi.com
Sampler - UPS - Bus - Other:	4.22 Cool Intact (Int)(618)	

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2325



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 <a href="https://www.tceq.texas.gov/field/ga/lab-accred-certif.html">www.tceq.texas.gov/field/ga/lab-accred-certif.html</a>.

Cardinal Laboratories is accreditated 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.

Celeg Steens

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:

12/03/2013

Reported:

12/06/2013

Project Name:

POKER LAKE UNIT #227

Project Number: Project Location: NONE GIVEN

Sampling Date:

12/03/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

.

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

Chloride, SM4500Cl-B

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Result

2560

Reporting Limit

Analyzed 12/05/2013

Method Blank ND

Method Blank

416

BS

% Recovery

True Value QC 400 RPD

Qualifier

0.00

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

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte Result Reporting Limit
2120 16.0

Analyzed 12/05/2013

ND

8S 416

104

% Recovery

True Value QC 400 RPD Qualifier

0.00

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's lability and client's evolutive remedy for any claim ansing, 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 clause whatabeers shall be deemed valued unless made in writing and necessed by Cardinal within thirty (30) days after completion of the applicable service. In on event shall Cardinal be liable for incidental disminges, including, without limitation, outsidents incremploons, loss of use, or loss of profits incurred by Cardinal profits

Celegt Freeze

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: Usbitly and Damages. Cardinal's liability and client's evolutive remedy for any claim among, whether based in contract or tost, shall be limited to the amount oaid by client for analyses. All daims, including those for negligence and any other cause whatsoerer shall be decemed valled unless made in writing and received by Cardinal within thirty (33) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, without limitation, business informance of the services hereunder by Cardinal, regardless of whether such claims to be above stated reasons or otherwise. Results related only to the services hereunder by Cardinal, regardless of whether such

Celeg & Kiene

Celey D. Keene, Lab Director/Quality Manager



#### CHAIN-OF-CUSTODY AND ANALYSIS REQUES

101 East Marland, Hobbs, NM 88240

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# Appendix V

FINAL FORM C-141

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

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II

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

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

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

Form C-141 Revised August 8, 2011

			Rele	ease Notific	ation	and Co	rrective A	ction								
						<b>OPERA</b>	ΓOR		☐ Initia	al Report	$\boxtimes$	Final Report				
Name of Co		BOPCO				Contact:	Tony Savoie									
				ad, NM 88220		Felephone 1		5-8730								
Facility Nar	ne: Poke	r Lake Unit	‡227 <b>&amp;</b>	2RP- 771	+ 11	Facility Typ	e: E&P									
Surface Ow	ner Fed	eral	484.5.44	Mineral O	wner	r Federal API No. 30-015-33929										
				LOCA	TION	OF RE	LEASE									
Unit Letter P	Section 30	Township 24S	Range 30E	Feet from the 330	North/: South	South Line	Feet from the 560	East/W East	est Line/	County Eddy						
							de 103.8571									
Tyma of Polo	asar Bradua	and Water		NAT	URE	OF REL	Release 50bbls	- 1	Volume I	Recovered 0						
Type of Rele	lease: 2" no	oly line conne	eted to a w	vater transfer pump	D		Iour of Occurrent	ce				: 04/19/11 at				
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Was Immedi	ate Notice (		Yes [	No Not Re	equired	If YES, To Whom?										
By Whom?			THE RESIDENCE OF THE PARTY OF T			Date and I		-,,,								
Was a Water	course Read		Yes 🗵	] No		If YES, Ve	olume Impacting	the Wate	rcourse.							
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	e failed wh			n Taken.* a water transfer po	ımp. The	pump was s	thut down causing	g the flov	v of waler	to stop. The	poly li	ne was				
The produce and arroyo d leak area. The submitted to	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.															
regulations a public health should their or the enviro	Il operators or the envi operations h nment. In a	are required to are required to are required to	o report au acceptand adequately OCD accep	c is true and comp nd/or file certain r ce of a C-141 repo v investigate and r otance of a C-141	release no ort by the emediate	otifications a ne NMOCD ne contaminat	nd perform corre narked as "Final I ion that pose a th	ctive acti Report" d reat to gr	ons for re oes not re ound wate	leases which lieve the ope er, surface w	n may e erator o ater, hu	ndanger f liability man health				
Signature:	7	one	Su	0 (/) (l			OIL CON	ISERV	ATION	DIVISI	NO					
Printed Nam	e: Tony Sav	(1				Approved by	Environmental S	Specialis	· L	N	h					
Title: Waste	Mgmt. & R	Remediation S	pecialist			Approval Da	ne: 5/ce/1	4	Expiration	Date:	M	-				
E-mail Addr	ess: TASav	oie@BassPet.	com			Conditions o	f Approval:		$\cap$	Attache	d $\square$					
Date: 2	3/12/	rete If Neones	-	: 432-556-8730				' /Y	al							

Attach Additional Sieces ..

