

BOPCO

Poker Lake Unit #241

CLOSURE REPORT

2RP-1173-0

API No. 30-015-34308

Release Date: 5/23/2012

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

February 14, 2014

Prepared by:

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

PLU #241

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 unit letter "O", section 30 of township 24 south and range 30 east, Eddy County. The site resulted from a flow line rupture due to corrosion near the well head. Produced water and crude oil were released onto the well pad and approximately 420 square feet of pasture area on the south side of the well pad. The joint of line was replaced, and a form C-141 was submitted to the NMOCD on June 12, 2012 (Appendix I).

1 SITE ACTIVITIES

On November 1, 2013, DFSI personnel collected and field tested soil samples from the leak area (Figure). Visually impacted soils were excavated and removed to a NMOCD approved disposal facility concurrent with sampling activities. The samples were submitted to a commercial laboratory for confirmation of chloride, BTEX, and TPH (Appendix IV).

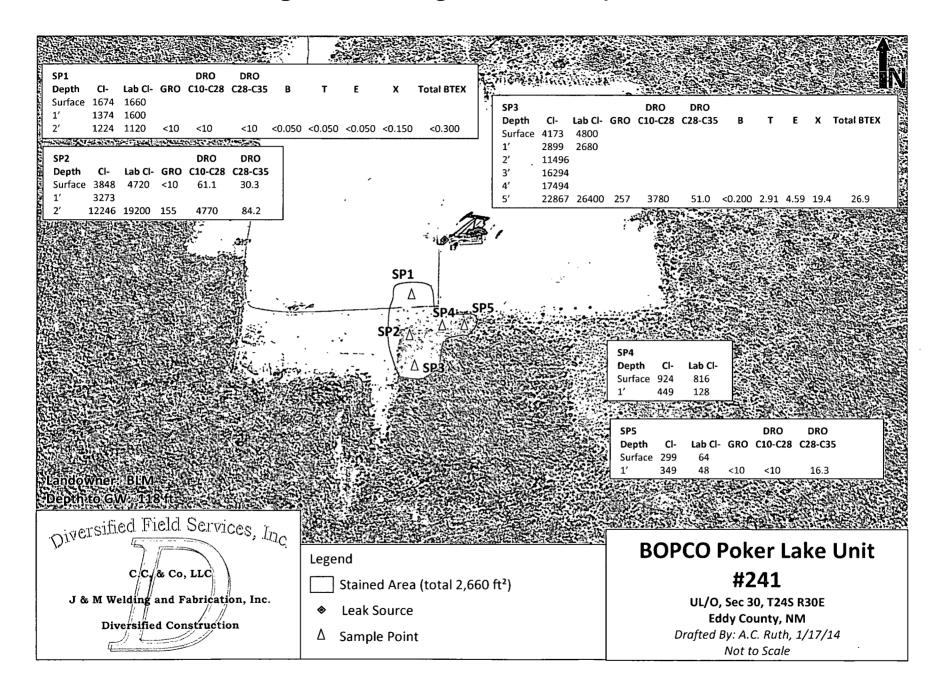
Chloride at SP1 decreased to 1,120 mg/kg at 2 ft. below ground surface (bgs) and showed nondetect levels of TPH and BTEX. SP2 and SP3 were located within a previously reclaimed pit location. Chloride at these sample points remained at 19,200 mg/kg at 2 ft. and 26,400 mg/kg at 5 ft. bgs respectively, and TPH/BTEX levels remained elevated. SP4 and SP5 were located to the east. Chloride levels were 449 mg/kg or less and TPH totaled 16.3 mg/kg or less at 1 ft. bgs in these areas. Photographs of site activities can be viewed in Appendix II.

The area of SP1 was excavated to 1 ft. bgs. The remaining area south of the flow line was excavated to 2 ft. bgs and a reinforced plastic liner was installed in the excavation bottom. The excavation area on the well pad was backfilled with imported caliche and leveled. The pasture excavation area was backfilled with imported topsoil and the site was contoured to the surrounding landscape.

2 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, and the installation of a barrier in the area of SP2 and SP3, Bopco respectfully requests the closure of the regulatory file for the site.

Figure - Site Diagram with Sample Data



Appendix I

INITIAL FORM C-141

Diversified Field Service, Inc. 315 S. Leech St. Hobbs, NM 88240 (575) 397-6437 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

 \checkmark

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

1220 S. St. Fran	icis Dr., Santa	a Fe, NM 8/503	>	Sa	ınta F	^r e, NM 875	05					side of	Iorm	
			Rel	ease Notific	atio	n and Co	orrective A	ction					بالسيد ميشبست	
APT 30	-1215-	242,58				OPERA				al Report		Final I	Report	
Name of Co						Contact Tor				F				
Address 522	2 W. Mern	nod, Suite 70	04 Carlsb	ad, N.M. 88220			No. 432-556-873	30						
Facility Nat	me Poker I	.ake Unit W	ell #241			Facility Typ	be E&P							
Surface Ow	mer Federa			Mineral C	Jumer	Federal			Lease N	Jo				
<u>Builace Ow</u>				- Willicial C	<i>w</i> iici									
			·			N OF RE								
Unit Letter	Section	Township	Range	Feet from the	Nort	h/South Line	Feet from the	East/V	West Line	County				
' 0	30	245	30E	\$ 40	5	bouth	2030	1	=45+	Eddy				
	<u> </u>	1		T - 414 1 N 20	1022	· · ·	1	1		1				
				Latitude_N 32.				0						
				NAT	URI	E OF REL								
Type of Rele	ase: Produc	ed water and	crude oil				Release: 7 Bbls (Volume I	Recovered:	None			
					oil	water and 2 Bbls (crude							
Source of Release: 2 7/8" flow line							Hour of Occurrence	ce		Hour of Di	scover	у		
Was Immediate Notice Given?							me unkown		5/23/12 3	:46 p.m.				
Was Immedi	ate Notice C]Yes [] No 🖾 Not Re	eauirea	If YES, To	Whom?							
By Whom?		····			oqunot	Date and H	lour			·				
	Was a Watercourse Reached?						If YES, Volume Impacting the Watercourse.							
🗌 Yes 🛛 No						,	1 5							
If a Watercon	urse was Im	pacted, Descr	ibe Fully.	*										
1														
1														
Describe Cau	use of Probl	em and Reme	dial Actio	n Taken.* The flo	w line	developed a le	eak due to externa	al corros	ion. One jo	int of pipe	was re	placed.		
Describe Are	ea Affected :	and Cleanup A	Action Tal	ken.* Approximat d, it appears to be	ely 42	0 sq. ft. of past	ure land. All of t	he relea	sed fluid so	baked into the	ne gro	und. The	spill	
BLM require	ements for s	pills.	ne wen pa	id, it appears to be	e near t	ne reclaimed d	irili pit location. I	ne remo	ediation wi	li comply w	ith the	NMOCI	Jand	
I hereby cert	ify that the i	nformation g	iven abov	e is true and comp	lete to	the best of my	knowledge and u	understa	nd that pur	suant to NM	10CD	rules and	1	
regulations a	Il operators	are required t	o report a	nd/or file certain r	elease	notifications a	nd perform correct	ctive act	tions for rel	leases which	h may	endanger	•	
should their	operations h	ave failed to a	adeguately	ce of a C-141 repo investigate and r	on by t emedi	ne NMOCD m ate contaminat	ion that nose a th	(eport" (reat to g	10es not rel	neve the operation of the surface w	erator vater H	of liabilit uman he	y alth	
or the enviro	nment. In a	ddition, NMC	DCD accep	ptance of a C-141	report	does not reliev	ve the operator of	respons	ibility for o	compliance	with a	ny other	unn	
federal, state	, or local lay	ws and/or regu	ulations.											
			۵				<u>OIL CON</u>	SERV	<u>/ATION</u>	DIVISI	<u>ON</u>			
Signature:	1	on Ba	mia			Approved by	District Supervis	sor.						
		0 í				i ippio roa oj	District Super vic							
Printed Nam	e: Tony Sav													
Title: Waste	Mgmt.& Re	mediation Sp	ecialist			Approval Da	te:		Expiration	Date:			_	
E mail Adda	A Saw	Nia @ Paga Pat				O	с							
E-mail Addr	ess: TASavo	bie@BassPet.	com			Conditions o	f Approval:			Attache	:d 🗌			
Date: 6/4/12				Phone:432-556-8	730									
Attach Addi	itional Shee	ets If Necess	sary											
						==	TUED		1.20					
						RECE	IVED		LRP-	1173) (.)		
						U IN 1	2 2012							
					1	JUN								
						JUN 12 2012 NMOCD ARTESIA								
						NIVIOUD								

Appendix II

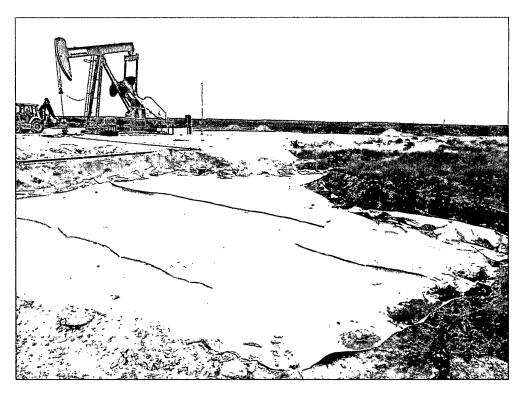
1

SITE PHOTOGRAPHS

Diversified Field Service, Inc. 315 S. Leech St. Hobbs, NM 88240 (575) 397-6437

BOPCO Poker Lake Unit #241

Unit Letter O, Section 30, T24S R30E



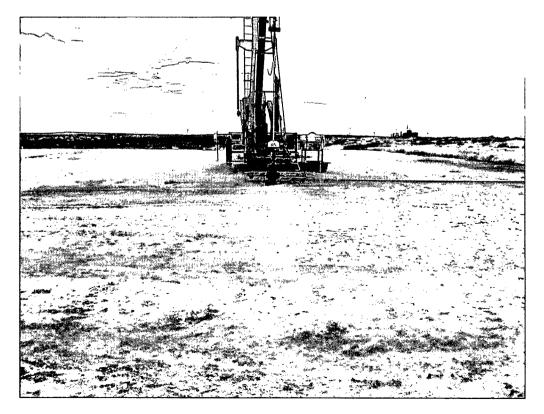
Lined excavation south of caliche pad 11/12/13



Excavation north of line, south of line backfilling 11/13/13



Excavation of flow line and impacted pasture area 11/13/13



Site after completion 11/18/13

Appendix III

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GROUNDWATER DATA

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

DEPTH TO GROUNDWATER										
				BOPCO PLU	#241					
UL:		0	Sec:	30	T:	245	R:	30E		
Groundwa	iter	Depth:		~118			ft. average	ed		
 o = NM Office of the ● = U.S. Geological S Site Location 		+			OCD GV	V trend map	- 200 to 22:	5 ft bgs Date: 01/13/2014 By: Rebecca Pons		
						354' S La	hs MON			
				85' JM Trs	t COM		168' USBLM	STK		
10' IM		o ^{28'} IMC 235 29	ĸ •E	235 301		° 125' JN 235	1 Trst STK 31E			
16' Mosaic MON 38' JG IRR 30' SF Energy PRO/DE	0	44' Mosaic O O _{18' I}		440' BLN O	л sтк	1	60' Taxaca /P	RO, GRR&CM/IRR		
36' SWS Co MON 26' SWS Co MON 4' USGS PRO/		18' RBW	PC Dist	186' M&M C ND	attle Co		0	Pub Lands PRO		
		245 29	E	245 301	~	24S D' CW donald STK	5 31E			
40' Gulf Oil PRO/DEV		40' AGC 60' TKWC E 25S 29 30' JN STK	Bank STK	255 301		255	31Е о' вјт sтк			



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.)	closed) (qu		I=NW 2≐NE 3=SW smallest to largest)	4=SE) (NAD83 UTM in meters)	(In feet)
POD Number	POD Sub-		Cao Turo Bag	X Y	Depth Depth Water Well Water Column
<u>C 00571</u>	Code basin Count C ED		30 23S 29E	5 91241 3570957*	89 38 51
C 00571 CLW241602	O ED	333	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	144	28 23S 29E	595649 3570959* 🥳	170
C_02182	C ED	4	30 23S 29E	592328 3571048* ۻ	75 30 45
C 02608	ED	314	17 23S 29E	593598 3574387* 🎸	400
C 02613	ED	442	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
<u>C 02706</u>	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
<u>C 02716</u>	ED	444	16 23S 29E	595818 3574002* 藙	400
C 02717	ED	424	16 23S 29E	595817 3574407* 🎸	400
<u>C 02718</u>	ED	4 4 2	16 23S 29E	595816 3574812* 🍪	400
<u>C 02720</u>	ED	2 1	21 23S 29E	594911 3573690* 🞸	150
<u>C 02721</u>	ED	23	21 23S 29E	594915 3572879* 🍪	150
<u>C 02792</u>	ÉD	43	04 23S 29E	594868 3577336* 🍪	200
<u>C 02793</u>	ED	43	04 23S 29E	594868 3577336* 🍣	100
<u>C 02794</u>	ED	43	10 23S 29E	596518 3575731* 🞸	100
<u>C 02795</u>	ED	43	10 23S 29E	596518 3575731* 🍣	200
C_02797	ED	23	22 23S 29E	596540 3572895* 🍪	200
<u>C 02804</u>	ED	2 1	08 23S 29E	593262 3576905 🎸	100
<u>C 02805</u>	ED	2 1	08 23S 29E	593262 3576905* 🞸	100
<u>C_02806</u>	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) POD	(quai						IE 3=SW largest)	'	3 UTM in meters)		(In feet)	1
	Sub-		Q	Q	Q						Depth	Depth	Water
POD Number	Code basin (County	64	16	4	Sec	Tws	Rng	Х		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		
C 03057 EXPLORE		ED	4	1	1	21	23S	29E	594605	3573586* 🏷	150		
C 03058 EXPLORE		ED	4	1	1	16	23S	29E	594605	3575206* 🎸	150		
C 03059 EXPLORE		ED	4	1	3	17	23S	29E	592993	3574378* 🎸		65	
C 03587 POD1	С	ED	1	4	3	29	23S	29E	593338	3570754 🥳	99	44	55
C 03587 POD2	С	ED	1	2	4	19	23S	29E	592213	3572706 😽	77	16	61
										Average Depth to	o Water:	31 fe	et
										Minimum		10.6	not.

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



(with Ownership Information)

	(acre	e 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 (quarters are smallest to largest)	•
WR File Nbr	Sub basin Use D	iversion Owner	County POD Number	,	q q q Source 6416 4 Sec Tws Rng	X Y
C 00571	C IRR	362.4 JOHNNIE GIOVENGO, JR.	ED <u>C 00571</u>		Shallow 1 3 3 30 23S 29E	591241 3570957
<u>C 03121</u>	C DOL	3 JOHNNIE GIOVENGO, JR.	ED <u>C 00571</u>		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

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 10:27 AM



(with Ownership Information)

				(R=POD has been replaced						
			and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)							
	(acre f	l per annum)		C≞the file is closed)	(quarter	rs are si	malles	t to largest)	NAD83 UTN	M in meters)
	Sub					qqq				
WR File Nbr	basin Use Div	ersion Owner	County POD Number	Code Grant	Source	6416 4	Sec	Tws Rng	х	Y
C 02182	C PRO	0 SANTA FE ENERGY	ED <u>C 02182</u>		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



(with Ownership Information)

					(R=POD has been replaced and no longer serves this file,	e, (quarters are 1=NW 2≍NE 3=SW 4=SE)					
	(acre ft per annum)					C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)					
	Sub					qqq	I				
WR File Nbr	basin	Use Diversion Owner	County P	OD Number	Code Grant	Source 64164	Sec	Tws Rng	х	Y	
<u>C 02705</u>	С	0 IMC KALIUM	ED <u>C</u>	02705		Shallow 2	17	23S 29E	593902	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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11/12/13 10:46 AM



(with Ownership Information)

				(R=POD has been replaced and no longer serves this file,	(quarters are 1=NW 2=NE 3=SW 4	I=SE)				
	(acre ft per annum)		C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)						
	Sub				qqq					
WR File Nbr	basin Use	e Diversion Owner	County POD Number	Code Grant	Source 6416 4 Sec Tws Rng	X Y				
C 02706	С	0 IMC KALIUM	ED <u>C 02706</u>		Shallow 4 18 23S 29E	592302 3574291* 🎝				

Record Count: 1

POD Search:

POD Number: C 02706

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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11/12/13 10:48 AM



(with Ownership Information)

		(R=POD has been replaced							
				and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)					
		(acre ft per annum)		C=the file is closed)	(quarters are smallest to la	rgest) (NAD83 UTM in meters)			
	Sub				999				
WR File Nbr	basin U	se Diversion Owner	County POD Number	Code Grant	Source 6416 4 Sec Tws	Rng X Y			
<u>C 02707</u>	С	0 IMC KALIUM	ED <u>C 02707</u>		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



(with Ownership Information)

				(R=POD has been replaced		
				and no longer serves this file,	(quarters are 1=NW 2=NE 3=SW 4	I=SE)
	(acre f	l per annum)		C=the file is closed)	(quarters are smallest to largest) (NAD83 UTM in meters)
	Sub				a a a	
WR File Nbr	basin Use Div	ersion Owner	County POD Number	Code Grant	Source 6416 4 Sec Tws Rng	X Y
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



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)	(qua					IE 3=SM		3 UTM in meters;	1	(In feet)
POD Number	POD Sub- Code basin (County	Q C 641		Sec	Tws	Rng	x	Y	•	Depth Water	Water Column
C_02095		ED	2	3	34	23S	30E	606337	3569759* 🍫	554	440	114
<u>C 02486</u>	С	ED	32	3	19	23S	30E	601304	3572832* 🎲	350		
<u>C 02770</u>		ED	44	1	14	23S	30E	608004	3574921* 😓	286		
<u>C 02771</u>		ED	12	3	14	23S	30E	607807	3574718* 🞸	295		
C_02772 POD1	С	ED	44	1	14	23S	30E	608043	3574840 🎸	300		
<u>C 03139</u>		ED	42	4	01	23S	30E	610424	3577764* 😜	425		
C 03222 EXPLORE		ED	1 1	4	12	23S	30E	609833	3576349* 🎸	365		
C 03478 POD1	С	ED	22	1	21	23S	30E	604825	3573894 🎸	300		
C 03559 POD1	С	ED	43	2	01	23S	30E	609928	3578260 🎸	50	0	50
C 03559 POD2	С	ED	43	2	01	23S	30E	609928	3578260 🎸	25	0	25
C 03559 POD3	С	ED	43	2	01	23S	30E	609928	3578260 🍇	20	0	20
C 03559 POD4	С	ED	43	2	01	23S	30E	609928	3578260 🐳	25	0	25
C 03559 POD5	С	ED	43	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



(with Ownership Information)

				(R=POD has been replaced							
				and no longer serves this file,	, (quarters are 1=	NW 2=NE 3=SW 4	=SE)				
	(acre ft	per annum)		C=the file is closed)	(quarters are sm	nallest to largest) (NAD83 UTN	1 in meters)			
	Sub				999						
WR File Nbr basin Use Diversion Owner		County POD Number	Code Grant	Source 6416 4	Sec Tws Rng	х	Y				
C 02095	STK	8 BUREAU OF LAND MANAGEMENT	ED <u>C 02095</u>		23	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

(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)	(quar						IE 3=SW largest)		3 UTM in meters)		(In feet	;)
	POD Sub-		0	0	Q						Denth	Denth	Water
POD Number	Code basin C	county				Sec	Tws	Rng	х	Y		•	Column
<u>C 02258</u>	С	ED		3	2	26	23S	31E	618055	3571853* 🏷	662		
C 02348	С	ED	1	4	3	26	23\$	31E	617648	3571068 😽	500		
C 02492		ED	4	4	4	06	23S	31E	612056	3577320* 🨽	135	85	50
C 02492 POD2	С	ED	3	2	2	07	23S	31E	611767	3576996 🎸	400	125	275
<u>C 02664</u>		ED	3	3	2	05	238	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		
C 02774		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	3575562* 🎸	1001		
<u>C 02865</u>		ED	4	4	4	06	23S	31E	612056	3577320* 🎸	174		
C 02954 EXPL		ED	3	1	4	20	238	31E	613114	3572906* 🤣	905		
C 03140		ED	4	2	4	04	23S	31E	615266	3577758* 😽	684		
C 03351	С	ED	4	1	4	04	23S	31E	614917	3577861 🎸	320	168	152
C 03520 POD1	С	ED	3	1	1	07	23S	31E	610733	3576905 😽	500		
										Average Depth t	o Water:	183 f	eet
										Minimur	n Depth:	85 f	eet
										Maximur	n Depth:	354 f	eet

Record Count: 16

PLSS Search:

Township: 23S Range: 31E

· **j** -··-

*UTM location was derived from PLSS - see Help



(with Ownership Information)

	(acre 1	ft per annum)		(R=POD has been replaced and no longer serves this file C=the file is closed)	e, (quarters are 1=NW 2=NE 3=SW 4	,
	Sub			C-the mens closed)	(quarters are smallest to largest) q q q	(NAD83 UTM In meters)
WR File Nbr	basin Use Div	version Owner	County POD Number	Code Grant	प्रपुष Source 6416.4 Sec Tws Rng	X Y
<u>C 02492</u>	СОМ	105 THE JIMMY MILLS GST TRUST	ED <u>C 02492</u>		Shallow 4 4 4 06 23S 31E	612056 3577320 🎝
C 03668	C STK	3 J T MILLS 2005 GST TRUST	ED <u>C 02492 POD2</u>		Shallow 3 2 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



(with Ownership Information)

				(R=POD has been replaced			
				and no longer serves this file,	(quarters are 1=NW 2=NE 3=SW 4	=SE)	
	(acre f	t per annum)		C=the file is closed)	(quarters are smallest to largest) (NAD83 UTM	in meters)
	Sub				999		
WR File Nbr	basin Use Div	ersion Owner	County POD Number	Code Grant	Source 6416.4 Sec Tws Rng	х	Y
C 03668	C STK	3 J T MILLS 2005 GST TRUST	ED <u>C 02492 POD2</u>		Shallow 3 2 2 07 23S 31E	611767	3576996

Record Count: 1

POD Search:

POD Number: C 02492 POD2

Sorted by: File Number



(with Ownership Information)

			(R=POD has been replaced		
			and no longer serves this file,	(quarters are 1=NW 2=NE 3=SW 4=	=SE)
	(acre ft per annum)		C=the file is closed)	(quarters are smallest to largest) (N	NAD83 UTM in meters)
	Sub			999	
WR File Nbr	basin Use Diversion Owner	County POD Number	Code Grant	Source 6416 4 Sec Tws Rng	X Y
C 02664	MON 0 SANDIA NATIONAL LABORATORIES	ED <u>C 02664</u>		Shallow 3 3 2 05 23S 31E	613049 3578138 🏠

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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10/15/13 4:01 PM



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

						(R=POD has been replaced			
						and no longer serves this file.	(quarters are 1≍NW 2=NE 3=SW	4=SE)	
		(acre ft per a	innum)			C=the file is closed)	(quarters are smallest to largest)	(NAD83 UTN	t in meters)
	Sub						q q q		
WR File Nbr	basin	Use Diversio	n Owner	Count	y POD Number	Code Grant	Source 64164 Sec Tws Rng	х	Y
C 03351	С	STK	3 UNITED STATES BUREAU OF LAND MANAGEMENT	ED	<u>C 03351</u>		Shallow 4 1 4 04 23S 31E	614916	3577861 🈙

Record Count: 1

POD Search:

POD Number: C 03351

Sorted by: File Number



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.)	been i		(qua						E 3=SW largest)	•	3 UTM in meters)		(In feet)
POD Number		POD Sub- basin	•	64		4 S			-	X	۲	Well	Depth Water	Water Column
<u>C 00349</u>	С	CUB	ED				8 24			591401	3564773* 😽	2734		
<u>C 00381</u>	С	С	ED	3	2 (3 0	7 24	IS	29E	591682	3566297* 🏘	2797		
C 00463		С	ED	4	4 4	4 1	7 24	IS	29E	594332	3564282* 😽	260	4	256
C 00856			ED	1	2 4	43	0 24	S	29E	592538	3561644* 😽	380		
C 00857			ED	3	1 4	4 3	0 24	S	29E	592135	3561440* 🈽	306		
C 00862			ED	1	2 4	43	0 24	IS .	29E	592538	3561644* 😽	155		
C 00863			ED	3	3	1 1	6 24	IS	29E	594524	3565091* 🌄	220		
C 00863 CLW199506	0		ED	3	3	1 1	6 24	IS .	29E	594524	3565091 🎲	220		
C 02713		С	ED	4	4 ·	1 1	6 24	S	29E	591633	3565944 😽	230	18	212
C 03615 POD1		С	ED	1	3 2	2 0	6 24	IS .	29E	591964	3568500 🍪	60	36	24
C 03615 POD2		С	ED	4	2 '	4 0	6 24	S	29E	592661	3568013 🌄	60	26	34
											Average Depth t	o Water:	21 f	eet
											Minimu	n Depth:	4 f	eet

Record Count: 11

PLSS Search:

Township: 24S Range: 29E

'UTM location was derived from PLSS - see Help

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Maximum Depth:

36 feet



(with Ownership Information)

				(R=POD has been replaced		
				and no longer serves this file,	(quarters are 1=NW 2=NE 3=SW 4	=SE)
	(acre ft pe	er annum)		C=the file is closed)	(quarters are smallest to largest) (NAD83 UTM in meters)
	Sub				999	
WR File Nbr	basin Use Divers	sion Owner	County POD Number	Code Grant	Source 6416 4 Sec Tws Rng	X Y
<u>C 00463</u>	C PRO	0 U.S. GEOLOGICAL SURVEY	ED <u>C 00463</u>		Shallow 4 4 4 17 24S 29E	594332 3564282' 😽

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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11/12/13 10:57 AM



(with Ownership Information)

					(R=POD has been replaced and no longer serves this file,	(quarte	ers are 1≈NW 2≈NE 3=SW	4=SE)	
	(acre t	(t per annum)			C=the file is closed)	(quart	ers are smallest to largest)	(NAD83 UTM	in meters)
	Sub						qqq		
WR File Nbr	basin Use Div	version Owner	County	y POD Number	Code Grant	Source	e 6416 4 Sec Tws Rng	x	Y
<u>C 02713</u>	IND	645 RED BLUFF WATER POWER CONTROL DISTRICT	ED	<u>C 02713</u>		Shallov	v 4 4 1 16 24S 29E	591633	3565944
<u>C 03360</u>	C PRO	0 REEF EXPLORATION	ED	<u>C 02713</u>		Shallov	v 4 4 1 16 24S 29E	591633	3565944 🌧

Record Count: 2

POD Search:

POD Number: C 02713

Sorted by: File Number



(with Ownership Information)

				(R=POD has been replaced			
				and no longer serves this file,	(quarters are 1=NW 2=NE 3=SW 4	I=SE)	
	(acre ft	per annum)		C=the file is closed)	(quarters are smallest to largest) (NAD83 UTM	in meters)
	Sub				999		
WR File Nbr	basin Use Dive	ersion Owner	County POD Number	Code Grant	Source 6416.4 Sec Tws Rng	x	Ŷ
<u>C 03615</u>	C MON	0 SOUTHWEST SALT COMPANY LLC	ED <u>C 03615 POD1</u>		Shallow 1 3 2 06 24S 29E	591963	3568500

Record Count: 1

POD Search:

POD Number: C 03615 POD1

Sorted by: File Number



(with Ownership Information)

				(R=POD has been replaced			
				and no longer serves this file	, (quarters are 1=NW 2=NE 3=SW 4	=SE)	
	(acre ft	: per annum)		C≖the file is closed)	(quarters are smallest to largest) (NAD83 UTN	1 in meters)
	Sub				999		
WR File Nbr	basin Use Dive	ersion Owner	County POD Number	Code Grant	Source 6416 4 Sec Tws Rng	х	Y
C 03615	C MON	0 SOUTHWEST SALT COMPANY LLC	ED <u>C 03615 POD2</u>		Shallow 4 2 4 06 24S 29E	592661	3568013 🌧

Record Count: 1

POD Search:

POD Number: C 03615 POD2

Sorted by: File Number



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)	(quar						IE 3=SW largest)	,	3 UTM in met	ters)		(In feet)
	POD Sub-		~	~	~							D	Dauth	181-4
POD Number	Sub- Code basin C	ounty		Q 16	_	Sec	Tws	Rng	х	Y		Depth Well	-	Column
C 02108		ED .					24S	-	602702	3566487* <	ŕ	200	186	14
<u>C 02109</u>		ED	1	2	4	19	24S	30E	602130	3563412	5	130	150	-20
<u>C 02110</u>		ED		4	3	23	24S	30E	608036	3562950* 🛪	ŕ	600	400	200
<u>C 02780</u>		ED	2	3	2	23	24S	30E	608535	3563857* 4	Ŝ7	505		
<u>C 02731</u>		ED	4	3	2	23	24S	30E	608535	3563657* <	Ś	624		
C 02782		ED	4	3	2	23	24S	30E	608535	3563657* 🛪	گ	808		
C 03558 POD1	С	ED	1	2	2	25	24S	30E	610412	3562651	Ť	20	0	20
C 03558 POD2	С	ED	1	2	2	25	24S	30E	610412	3562651 «	ŕ	20	0	20
C 03558 POD3	С	ED	1	2	2	25	24S	30E	610412	3562651 <	ż	25	0	25
C 03558 POD4	С	ED	1	2	2	25	24S	30E	610412	3562651 •	Ŝ	25	0	25
C 03558 POD5	С	ED	1	2	2	25	24S	30E	610412	3562651	5	30	0	30
										Average Dep	pth to	Water:	92 f	eet
										Mini	imum	n Depth:	0 f	eet
										Maxi	imum	Depth:	400 f	eet

Record Count: 11

Basin/County Search: Basin: Carlsbad

County: Eddy

PLSS Search:

Township: 24S Range: 30E

*UTM location was derived from PLSS - see Help



(with Ownership Information)

	(acre ft	per annum)		(R=POD has been replaced and no longer serves this file, C=the file is closed)		NW 2=NE 3=SW 4		<i>I</i> in meters)
	Sub				9 9 P	-		
WR File Nbr	basin Use Dive	ersion Owner	County POD Number	Code Grant	Source 6416 4	Sec Tws Rng	x	Y
<u>C 02108</u>	STK	3 A PARTNERSHIP M&M CATTLE CO	ED <u>C 02108</u>		13	08 24S 30E	602702	3566487* 😽
Record Count	<u>1</u>							

POD Search:

POD Number: C 02108

PLSS Search:

Township: 24S Range: 30E

Sorted by: File Number

*UTM location was derived from PLSS - see Help



(with Ownership Information)

				(R=POD has been replaced						
				and no longer serves this file. (quarters are 1=NW 2=NE 3=SW 4=SE)						
	(acre f	t per annum)		C=the file is closed)	(quarters are smallest to largest) (NAD83 UTM in meters)					
	Sub				999					
WR File Nbr	basin Use Div	ersion Owner	County POD Number	Code Grant	Source 6416 4 Sec Tws Rng	х	Y			
<u>C 02110</u>	STK	3 CLARENCE W. MCDONALD	ED <u>C 02110</u>		4 3 23 24S 30E	608036	3562950* 😽			

Record Count: 1

POD Search:

POD Number: C 02110

PLSS Search:

Township: 24S Range: 30E

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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10/16/13 11:15 AM



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)	(qua					NE 3=SW ⊨largest)		3 UTM in meters)		(In feet)	I
	POD Sub-		Q	QC	2					Depth	Depth	Water
POD Number	Code basin (County	64	16 4	Sec	: Tws	Rng	X	Y	Well	Water	Column
<u>C 02405</u>	С	ED		4 1	02	24S	31E	617690	3568631* 🕎	275	160	115
<u>C 02440</u>	С	ED		23	10	24S	31E	616103	3566599* 😽	350		
<u>C 02460</u>	С	ED		3	02	24S	31E	617496	3568022* 😽	320		
C 02460 POD2	С	ED		3	02	24S	31E	617496	3568022* 🥎	320		
<u>C 02464</u>	С	ED	3	4 1	02	24S	31E	617589	3568530* 🨽	320	205	115
<u>C 02661</u>		ED	3	31	04	24S	31E	613969	3568485* 🥎	708		
<u>C 02783</u>	CUB	ED	3	31	04	24S	31E	613911	3568461 😽	708		
C 02783 POD2	С	ED	3	31	04	24S	31E	613911	3568461 😽	672		
<u>C 02784</u>	С	ED	4	24	04	24S	31E	613911	3568461 🦨	584		
<u>C 02785</u>		ED	3	31	04	24S	31E	613969	3568485* 🥎	692		
									Average Depth t	n Water	182 f	aat

Average Depth to Water: 182 feet

Minimum Depth: 160 feet

Maximum Depth: 205 feet

Record Count: 10

Basin/County Search:	
Basin: Carlsbad	County:

PLSS Search;

Township: 24S Range: 31E

*UTM location was derived from PLSS - see Help

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Eddy



(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					990	1				
WR File Nbr	basin Use Di	version Owner	County POD Number	Code Grant	Source	6416 4	Sec	Tws Rng	x	Y	
C 00225 A	IRR	8.4 GREGORY ROCKHOUSE RANCH	ED <u>C 02405</u>		Shallow	4	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' 🕉	
C 02405	C PRO	0 TEXACO EXPLORATION & PROD. INE	D ED <u>C 02405</u>		Shallow	4 1	02	24S 31E	617690	3568631° 🎝	
<u>C 02452</u>	C PRO	0 TEXACO EXPLORATION & PROD INC	E. ED <u>C 02405</u>		Shallow	4 1	02	24S 31E	617690	3568631*	
C 02576	C PRO	0 SONAT EXPLORATION COMPANY	ED <u>C 02405</u>		Shallow	4 1	02	24S 31E	617690	3568631	

Record Count: 5

POD Search:

POD Number: C 02405

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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10/16/13 11:26 AM



(with Ownership Information)

					(R=POD has been replaced					
					and no longer serves this file,	(quarters are 1	=NW 2	=NE 3=SW 4	=SE)	
		(acre ft per ar	inum)		C=the file is closed)	(quarters are s	malles	to largest) (NAD83 UTM	1 in meters)
	Sub					qqq	ł			
WR File Nbr	basir	Use Diversion	Owner	County POD Number	Code Grant	Source 6416	Sec	Tws Rng	x	Y
C 02464	С	PRO 0	COMMISSIONER OF PUBLIC LANDS	ED <u>C 02464</u>		Shallow 3 4	02	24S 31E	617589	3568530* 🥁

Record Count: 1

POD Search:

POD Number: C 02464

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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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.)							IE 3=SW largest)	'	3 UTM in meters)		(In feet	:)
	POD	~	~	~			•			.		
POD Number	Sub- Code basin Cou		Q 16		Sec	Tws	Rng	х	Y		•	Water Column
C 01337	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
C 02371	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		
RA 07162 EXP2	ED	1	3	1	10	25S	29E	596214	3557222* 🤯	55	40	15
									Average Depth to	o Water:	42 f	eet
									Minimun	n Depth:	30 f	eet
									Maximun	n Depth:	60 f	eet

Record Count: 7

PLSS Search:

Township: 25S Range: 29E

*UTM location was derived from PLSS - see Help

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(with Ownership Information)

					(R=POD has been replaced and no longer serves this file,	(quarters	s are 1=	NW 2	2=NE 3=SW	4=SE)	
		(acre ft per	annum)		C=the file is closed)	(quarter:	s are sn	nalles	t to largest)	(NAD83 UTN	1 in meters)
	Sub						qqq				
WR File Nbr	basin	Use Diversi	on Owner	County POD Number	Code Grant	Source	6416 4	Sec	Tws Rng	х	Y
<u>C 01337</u>	С	STK	3 JAMES NYMEYER	ED <u>C 01337</u>		Shallow	21	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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11/12/13 11:08 AM



(with Ownership Information)

				(R=POD has been replaced and no longer serves this file.	e. (quarters are 1=NW 2=NE 3=SW 4=SE)				
	(acre ft	per annum)		C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in m					
	Sub				qqq	(
WR File Nbr	basin Use Dive	ersion Owner	County POD Number	Code Grant	Source 6416 4 Sec Tws Rng	X Y			
C 01880	C PRO	0 GULF OIL CORPORATION	ED <u>C 01880</u>		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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11/12/13 11:09 AM



(with Ownership Information)

			(R=POD has been replaced		
			and no longer serves this file,	(quarters are 1=NW 2=NE 3=SW 4=SE)	
	(acre ft per annum)		C=the file is closed)	(quarters are smallest to largest) (NAD83	UTM in meters)
	Sub			qqq	,
WR File Nbr	basin Use Diversion Owner	County POD Number	Code Grant	Source 6416 4 Sec Tws Rng	х ү
C 02371	C STK 3 TRAN KING & WESTERN COMM. BANK	C 02371		Shallow 2 3 15 25S 29E 596	741 3555106 🎲

Record Count: 1

POD Search:

POD Number: C 02371

2

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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11/12/13 11:12 AM



(with Ownership Information)

				(R=POD has been replaced		
				and no longer serves this file,	(quarters are 1=NW 2=NE 3=SW 4	=SE)
	(acre f	t per annum)		C=lhe file is closed)	(quarters are smallest to largest) (NAD83 UTM in meters)
1	Sub				qqq	
WR File Nbr	basin Use Div	version Owner	County POD Number	Code Grant	Source 6416 4 Sec Tws Rng	ХҮ
RA 07162	DOM	0 AMARICAN GROUNDWATER CONSULT.	ED RA 07162 EXP2		Shallow 1 3 1 10 25S 29E	596214 3557222 🎲

Record Count: 1

POD Search:

POD Number: RA 07162 EXP2

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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W	New Mexico Office of the State Engineer ater Column/Average Depth to Wat	er
(A CLW###### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE) closed) (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)	
POD Number	POD Sub- Q Q Q Depth Depth Wat Code basin County 64 16 4 Sec Tws Rng X Y Well Water Colu	
<u>C 01379</u>	C ED 4 4 3 10 25S 30E 606571 3556355° 😽 400	
	Average Depth to Water:	
	Minimum Depth:	
	Maximum Depth:	
Record Count: 1		
Basin/County Searc	<u>1:</u>	
Basin: Carlsbad	County: Eddy	
PLSS Search:		

*UTM location was derived from PLSS - see Help

Township: 25S

Range: 30E

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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.)		-					E 3=SW largest)	,	3 UTM in meters)		(In feet)
	POD			_						.	.	
POD Number	Sub- Code basin Cou		2 C 4 1		Sec	Tws	Rng	х	Y	Depth Well	•	Water Column
C_02250	E	-				25S	-	614912	3553620* 🥎	400	390	10
<u>C_02568</u>	E	D 4	3	1	01	25S	31E	619103	3558892* 😽	1025		
C_02569	E	D 4	4	2	02	25S	31E	618699	3558891* 😽	1016		
<u>C_02570</u>	E	D 4	2	4	02	25S	31E	618704	3558489* 😽	895		
<u>C 02571</u>	E	D 4	1	2	02	25S	31E	618292	3559294* 😽	860		
C 02572	E	D 4	2	2	02	25S	31E	618695	3559294* 🥎	852		
<u>C 02573</u>	E	D 1	4	2	02	25S	31E	618499	3559091* 😽			
C 02574	E	D 1	1	2	02	25S	31E	618092	3559494* 😽			
									Average Depth to	Water:	390 fe	eet
									Minimum	Depth:	390 f	eet
									Maximum	Depth:	390 f	eet
Record Count: 8												
Basin/County Search	1:											

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.



. 7

New Mexico Office of the State Engineer Active & Inactive Points of Diversion

(with Ownership Information)

			(R=POD has been replaced and no longer serves this file.	(quarters are 1=NW 2=NE 3=SW 4	∔=SE)
	(acre ft per annum)		C=the file is closed)	(quarters are smallest to largest)	(NAD83 UTM in meters)
	Sub			999	
WR File Nbr	basin Use Diversion Owner	County POD Number	Code Grant	Source 6416.4 Sec Tws Rng	х ү
<u>C 02250</u>	STK 3 BUCK JACKSON TRUST	ED <u>C 02250</u>		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

Appendix IV

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LABORATORY ANALYSES

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

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November 11, 2013

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

RE: PLU #241

Enclosed are the results of analyses for samples received by the laboratory on 11/01/13 17:10.

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

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.

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/11/2013	Sampling Type:	Soil
Project Name:	PLU #241	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ SURFACE (H302680-01)

Chloride, SM4500Cl-B	mg	mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	11/06/2013	ND	400	100	400	3.92	

Sample ID: SP 3 @ SURFACE (H302680-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	11/06/2013	ND	400	100	400	3.92	

Sample ID: SP 4 @ SURFACE (H302680-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Anałyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	11/06/2013	ND	400	100	400	3.92	

Sample ID: SP 5 @ SURFACE (H302680-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/06/2013	ND	400	100	400	3.92	

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/11/2013	Sampling Type:	Soil
Project Name:	PLU #241	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H302680-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	11/06/2013	ND	400	100	400	3.92	

Sample ID: SP 3 @ 1' (H302680-06)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP				-	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	11/06/2013	ND	400	100	400	3.92	

Sample ID: SP 4 @ 1' (H302680-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					. <u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/06/2013	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 10



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

Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/11/2013	Sampling Type:	Soil
Project Name:	PLU #241	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ 1' (H302680-08)

BTEX 8021B	mg/	mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	< 0.050	0.050	11/07/2013	ND	2.20	110	2.00	6.58	
Toluene*	<0.050	0.050	11/07/2013	ND	2.24	112	2.00	7.60	
Ethylbenzene*	<0.050	0.050	11/07/2013	ND	2.28	114	2.00	7.83	
Total Xylenes*	<0.150	0.150	11/07/2013	ND	6.83	114	6.00	8.29	
Total BTEX	<0.300	0.300	11/07/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 107 % 89.4-126

Chloride, SM4500CI-B	mg.	/kg	Analyze	d By: AP				_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/06/2013	ND	400	100	400	3.92	
TPH 8015M	mg.	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/04/2013	ND	200	100	200	0.0305	
DRO >C10-C28	<10.0	10.0	11/04/2013	ND	205	102	200	0.511	
EXT DRO >C28-C35	16.3	10.0	11/04/2013	ND					
Surrogate: 1-Chlorooctane	81.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	80.4	% 63.6-15-	4						

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Celeg Di Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/11/2013	Sampling Type:	Soil
Project Name:	PLU #241	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 5' (H302680-09)

BTEX 8021B	mg,	/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/07/2013	ND	2.20	110	2.00	6.58	
Toluene*	2.91	0.200	11/07/2013	ND	2.24	112	2.00	7.60	
Ethylbenzene*	4.59	0.200	11/07/2013	ND	2.28	114	2.00	7.83	
Total Xylenes*	19.4	0.600	11/07/2013	ND	6.83	114	6.00	8.29	
Total BTEX	26.9	1.20	11/07/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL 150 % 89.4-126

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
hloride 26400 16.0		16.0	16.0 11/06/2013		400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	257	10.0	11/04/2013	ND	200	100	200	0.0305	
DR0 >C10-C28	3780	10.0	11/04/2013	ND	205	102	200	0.511	
EXT DRO >C28-C35	51.0	10.0	11/04/2013	ND					
Surrogate: 1-Chlorooctane	147	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	134	% 63.6-15	4						

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Celey E. Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/11/2013	Sampling Type:	Soil
Project Name:	PLU #241	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ SURFACE (H302680-10)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720 16.0		11/06/2013 ND		400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/11/2013	ND	170	84.9	200	11.6	
DRO >C10-C28	61.1	10.0	11/11/2013	ND	169	84.5	200	6.55	
EXT DRO >C28-C35	30.3	10.0	11/11/2013	ND					
Surrogate: 1-Chlorooctane	85.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.3	% 63.6-15	4						

Sample ID: BSP 2 @ 2' (H302680-11)

mg/	kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
19200	16.0 11/06/201		ND	400	100	400	3.92	
mg/	kg	Analyze	d By: MS					S-04
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
155	10.0	11/04/2013	ND	200	100	200	0.0305	
4770	10.0	11/04/2013	ND	205	102	200	0.511	
84.2	10.0	11/04/2013	ND					
137 %	65.2-14	0						
170 %	63.6-15	4						
	Result 19200 mg/ Result 155 4770 84.2	Result Reporting Limit 19200 16.0 mg/kg mg/kg Result Reporting Limit 155 10.0 4770 10.0 84.2 10.0 137 % 65.2-14	Result Reporting Limit Analyzed 19200 16.0 11/06/2013 mg/kg Analyzed Result Reporting Limit Analyzed 155 10.0 11/04/2013 4770 10.0 11/04/2013 84.2 10.0 11/04/2013 137 % 65.2-140	Result Reporting Limit Analyzed Method Blank 19200 16.0 11/06/2013 ND mg/kg Analyzed By: MS Method Blank Result Reporting Limit Analyzed Method Blank 155 10.0 11/04/2013 ND 4770 10.0 11/04/2013 ND 84.2 10.0 11/04/2013 ND	Result Reporting Limit Analyzed Method Blank BS 19200 16.0 11/06/2013 ND 400 mg/kg Analyzed By: MS Method Blank BS Result Reporting Limit Analyzed Method Blank BS 155 10.0 11/04/2013 ND 200 4770 10.0 11/04/2013 ND 205 84.2 10.0 11/04/2013 ND 205 137 % 65.2-140 55.2-140 56.2-140 56.2-140	Result Reporting Limit Analyzed Method Blank BS % Recovery 19200 16.0 11/06/2013 ND 400 100 mg/kg Analyzed By: MS S % Recovery 155 10.0 11/04/2013 ND 200 100 4770 10.0 11/04/2013 ND 205 102 84.2 10.0 11/04/2013 ND 205 102 137 % 65.2-140 65.2-140 65.2-140 65.2-140 65.2-140	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 19200 16.0 11/06/2013 ND 400 100 400 mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC 155 10.0 11/04/2013 ND 200 100 200 4770 10.0 11/04/2013 ND 205 102 200 84.2 10.0 11/04/2013 ND 205 102 200 137 % 65.2-140 65.2-140 65.2-140 65.2-140 65.2-140 65.2-140	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 19200 16.0 11/06/2013 ND 400 100 400 3.92 mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC RPD 155 10.0 11/04/2013 ND 200 100 200 0.0305 4770 10.0 11/04/2013 ND 205 102 200 0.511 84.2 10.0 11/04/2013 ND 205 102 200 0.511

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Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/11/2013	Sampling Type:	Soil
Project Name:	PLU #241	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 2' (H302680-12)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	11/07/2013	ND	2.20	110	2.00	6.58	
Toluene*	<0.050	0.050	11/07/2013	ND	2.24	112	2.00	7.60	
Ethylbenzene* <0.050		0.050	11/07/2013	ND	2.28	114	2.00	7.83	
Total Xylenes*	<0.150	0.150	11/07/2013	ND	6.83	114	6.00	8.29	
Total BTEX	<0.300	0.300	11/07/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 9	89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	11/06/2013	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/05/2013	ND	200	100	200	0.0305	
DRO >C10-C28	<10.0	10.0	11/05/2013	ND	205	102	200	0.511	
EXT DRO >C28-C35	<10.0	10.0	11/05/2013	ND					
Surrogate: 1-Chlorooctane	91.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.2	63.6-15	4						
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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 SM4500CI-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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Page 8 of 10



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Marland, Ho																								
	(575) 393-2326 FAX				- 7			BILL TO						ANALYSIS REQUEST											
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Phone #: 575	-964-8394	State: NM Fax #: 575 Project Owner:	-46	1-	<u>8'3</u>	94	2_/	; Address:																	
Project #:		Project Owner	<u>B</u>	22	00			City:							-										
Project Name:								State: Zip:																	
Project Location	:PLN#241						1	Phone #:																	
Sampler Name:	Miguel Goore	5						Fax #:																	
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Appendix VI

FINAL FORM C-141

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

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

	OPERATOR	Initial Report	Final Report
Name of Company BOPCO	Contact: Nancy Fitzwater		
Address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220	Telephone No.		
Facility Name: Poker Lake Unit Well #241	Facility Type		

Surface Owner Federal

Mineral Owner Federal

API No. 30-015-34308

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
0	30	24S	30E	840	South	2030	East	

Latitude 32.86647 Longitude 103.8571

NATURE OF RELEASE

Source of Release 2 7/8" flow line Date and Hour of Occurrence 5/23/12 Time unknown Date and Hour of Discovery: 05/23/12 3:46 p.m. Was Immediate Notice Given? If YES, To Whom? 3:46 p.m. By Whom? Date and Hour 01-22-13 2:20 PM 11 Was a Watercourse Reached? Yes No If YES, Volume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully.* No If YES, Volume Impacting the Watercourse. Describe Cause of Problem and Remedial Action Taken.* The flow line developed a leak die to external corrosion. One joint of pipe was replaced. Describe Area Affected and Cleanup Action Taken.* The flow line developed a leak die to external corrosion. One joint of pipe was replaced. Describe Area Affected and Cleanup Action Taken.* The remediation complies with the NMOCD and BLM requirements for spills. BOPCO respectfully request closure of this incident. * 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 responsibility for compliance with any other the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any oth	Type of Release: Produced water and crude oil	Volume of Release 9 bbls	Volume Re	covered 0
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Signature:	Signature:			
Approved by Environmental Specialist:		Approved by Environmental Special	ist:	
Printed Name: Tony Savoie	Printed Name: Tony Savoie		······································	
Title, Weste Mant & Demodiation Specialist	Title, Weste Mant & Domediation Constitute		n · · · ~	
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E-mail Address: TASavoie@BassPet.com	E-mail Address: TASavaje@BassPet.com	Conditions of Annroyaly	1	
E-mail Address: TASavoic@Bassi et.com		conditions of Approval.		Attached
Date: Phone: 432-556-8730	Date: Phone: 432-556-8730			

* Attach Additional Sheets If Necessary

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

Form C-141

Revised August 8, 2011

Santa Fe, NM 87505 Release Notification and Corrective Action

Suomit I	rdance with	

OPERATOR Initial Report Final Report Contact: Nancy Fitzwater Name of Company BOPCO Address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220 Telephone No. Facility Name: Poker Lake Unit Well #241 2RP-1173 Facility Type Mineral Owner Federal API No. 30-015-34308 Surface Owner Federal LOCATION OF RELEASE Township Unit Letter Section Feet from the North/South Line Feet from the East/West Line County Eddy Range 0 30 24S 30E 840 South 2030 East Latitude 32.86647 Longitude 103.8571 NATURE OF RELEASE Type of Release: Produced water and crude oil Volume of Release 9 bbls Volume Recovered 0 Source of Release 2 7/8" flow line Date and Hour of Occurrence Date and Hour of Discovery: 05/23/12 5/23/12 Time unknown 3:46 p.m. Was Immediate Notice Given? If YES, To Whom? 🗌 Yes 📋 No 🖾 Not Required By Whom? Date and Hour 01-22-13 2:20 PM Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. 🗌 Yes 🖾 No If a Watercourse was Impacted, Describe Fully.* NA RECEIVED Describe Cause of Problem and Remedial Action Taken.* MAR **1 8 2014** The flow line developed a leak die to external corrosion. One joint of pipe was replaced. NMOCD ARTESIA Describe Area Affected and Cleanup Action Taken.* Approximately 420 sq. ft. of pasture land. All of the released fluid soaked into the ground. The spill location was right of the south edge of the well pad, it appeared to be near a reclaimed drill pit location. The remediation complies with the NMOCD and BLM requirements for spills. BOPCO respectfully request closure of this incident. 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. **OIL CONSERVATION DIVISION** Signature: ⁵ Approved by Environmental Specialist: Printed Name: Tony Savoid Title: Waste Mgmt. & Remediation Specialist Approval Date: Expiration Date: E-mail Address: TASavoie@BassPet.com Conditions of Approval: Attached Date: 3/12/14 Phone: 432-556-8730

Attach Additional Sheets If Necessary

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