

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).

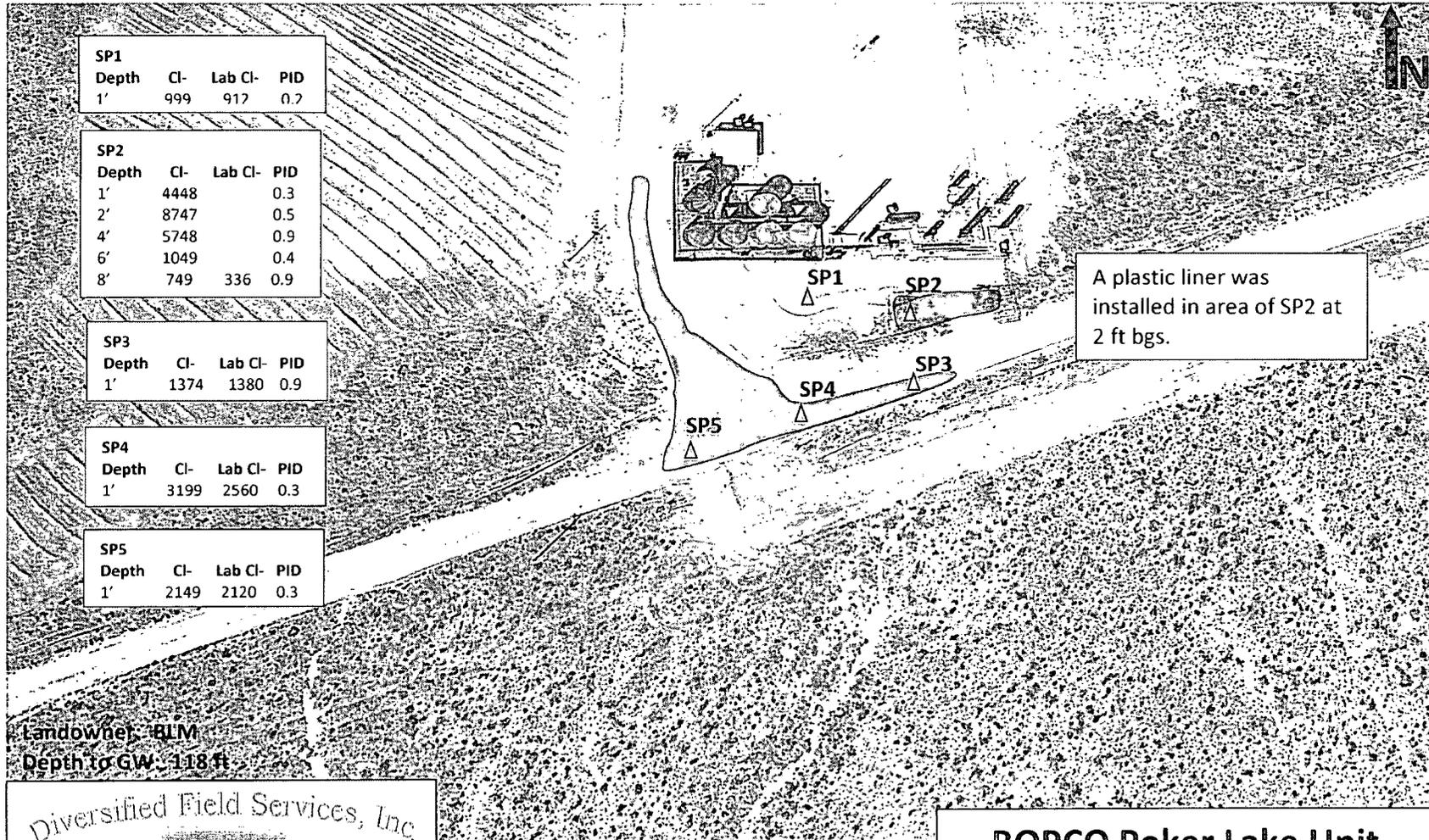
Visually impacted soils were excavated throughout the entire leak area and removed to a NMOCD approved disposal facility. Simultaneous soil field testing revealed low chloride and hydrocarbon levels at 1 to 2 ft. below ground surface (bgs) (Figure). Soil samples were collected from the excavation floor 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.

Site Diagram with Sample Data



SP1			
Depth	Cl-	Lab Cl-	PID
1'	999	917	0.2

SP2			
Depth	Cl-	Lab Cl-	PID
1'	4448		0.3
2'	8747		0.5
4'	5748		0.9
6'	1049		0.4
8'	749	336	0.9

SP3			
Depth	Cl-	Lab Cl-	PID
1'	1374	1380	0.9

SP4			
Depth	Cl-	Lab Cl-	PID
1'	3199	2560	0.3

SP5			
Depth	Cl-	Lab Cl-	PID
1'	2149	2120	0.3

A plastic liner was installed in area of SP2 at 2 ft bgs.

Landowner: BLM
Depth to GW: 118 ft

Diversified Field Services, Inc.



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

Legend

- Stained/Excavated Area
- Sample Point

BOPCO Poker Lake Unit

#227

UL/P, Sec 30, T24S R30E

Eddy County, NM

Drafted By: A.C. Ruth, 2/5/14

Not to Scale

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 IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised October 10, 2003

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

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

30-015-33929

Release Notification and Corrective Action

nmlb1112542397

OPERATOR

Initial Report Final Report

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

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

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

NATURE OF RELEASE

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

If a Watercourse was Impacted, Describe Fully.*

RECEIVED

MAY 04 2011

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

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

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

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

* Attach Additional Sheets if Necessary

PROPOSAL NOT LATER THAN:
6/5/2011

2RP-774

Appendix II

SITE PHOTOGRAPHS

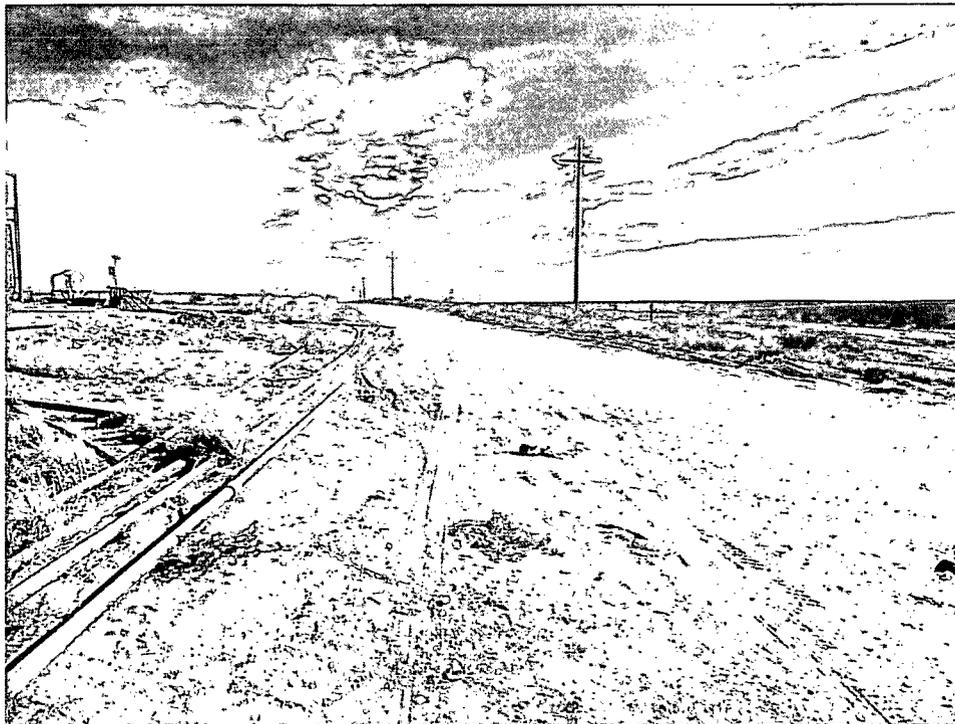
Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
(575) 964-8394

BOPCO Poker Lake Unit #227

Unit Letter P, Section 30, T24S R30E



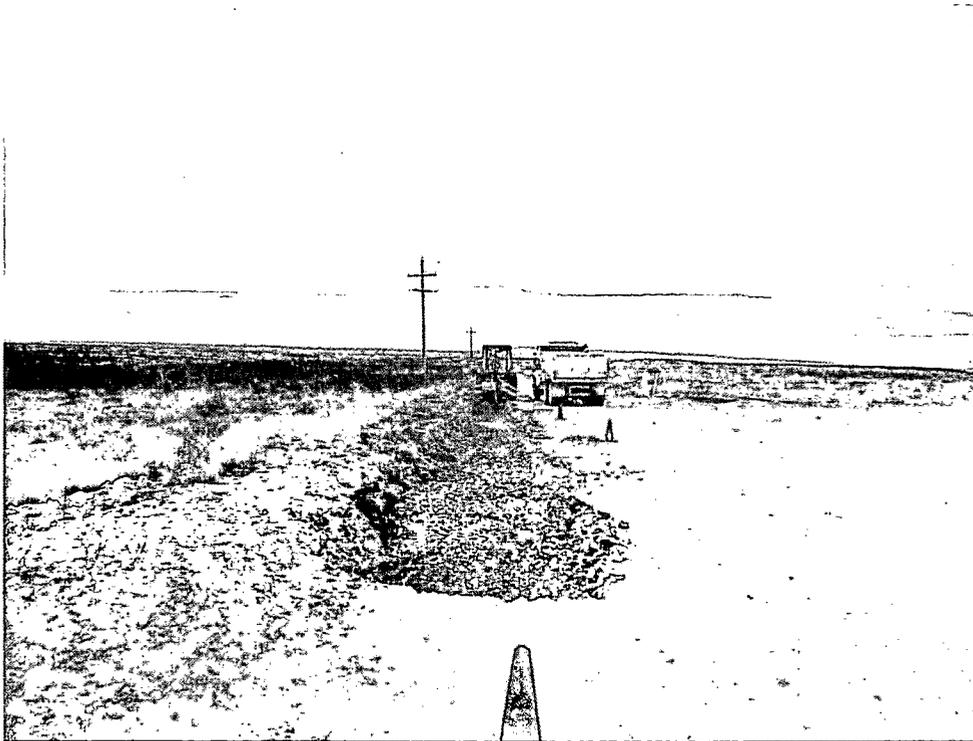
Sign marking location 11/17/13



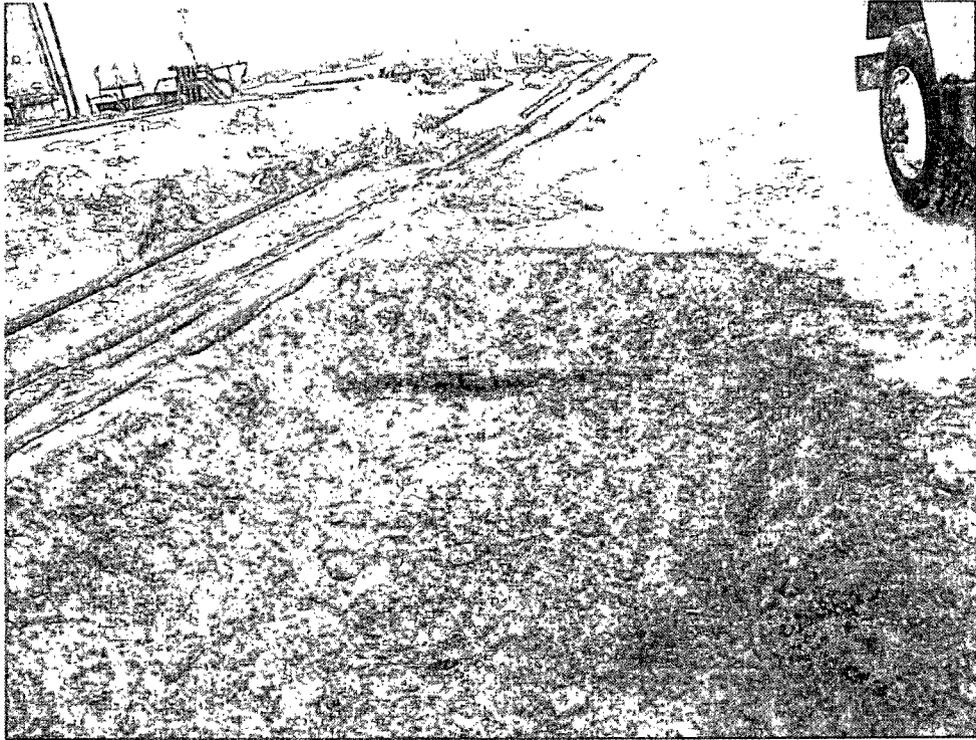
Spill location SW of lease road 11/20/13



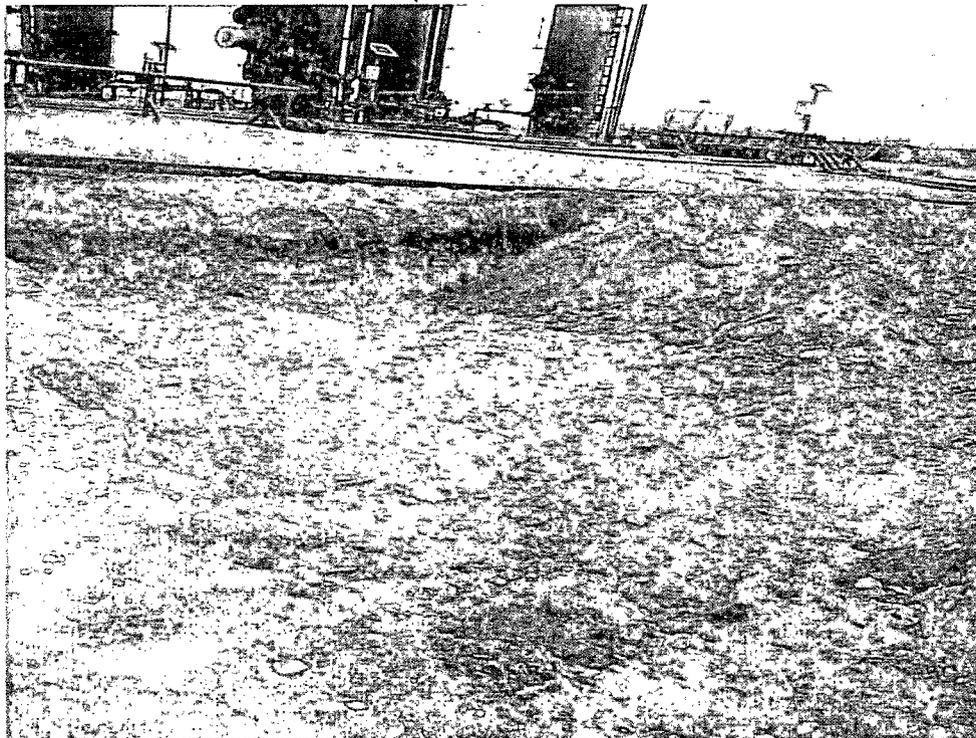
Impacted soil on lease road 12/03/13



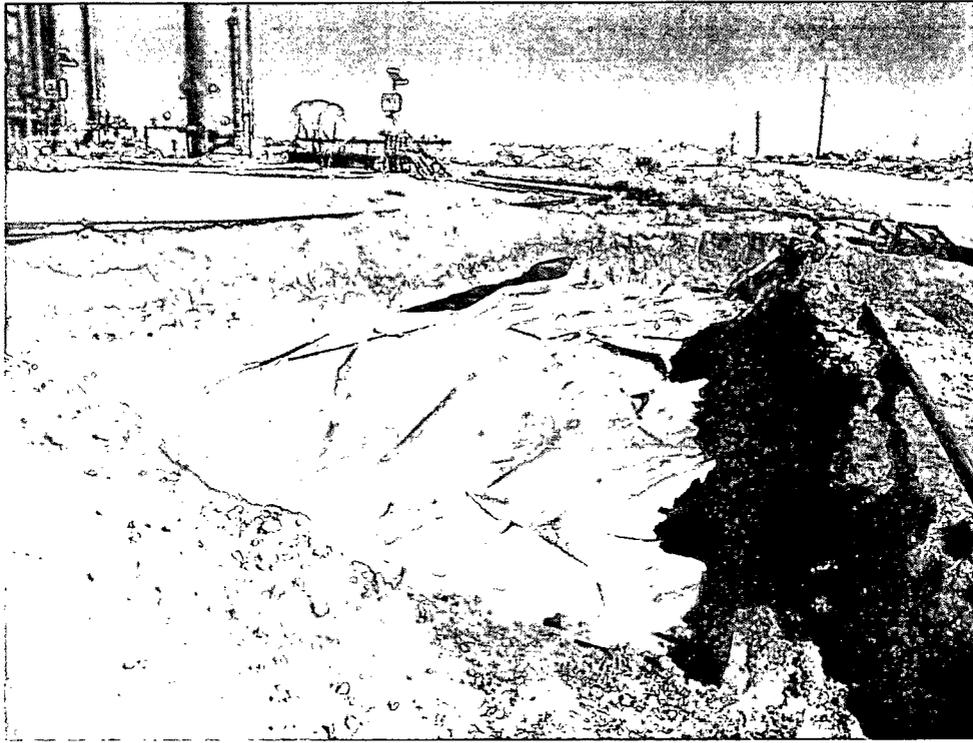
Excavation left of road way 12/03/13



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



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced.)

O=orphaned,

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

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

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<u>C 00571</u>	C	ED		1	3	3	30	23S	29E	591241	3570957*	89	38	51
<u>C 00571 CLW241602</u>	O	ED		3	3	3	30	23S	29E	591241	3570757*	89	38	51
<u>C 01217 S</u>		ED		4	1	4	16	23S	29E	595413	3574403*	350		
<u>C 01627</u>	C	ED		1	4	4	28	23S	29E	595649	3570959*	170		
<u>C 02182</u>	C	ED			4	30	23S	29E	592328	3571048*	75	30	45	
<u>C 02608</u>		ED		3	1	4	17	23S	29E	593598	3574387*	400		
<u>C 02613</u>		ED		4	4	2	20	23S	29E	594203	3573176*	400		
<u>C 02704</u>	C	ED			1	19	23S	29E	591531	3573493*	174			
<u>C 02705</u>	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	
<u>C 02707</u>	C	ED			2	28	23S	29E	595535	3571868*	40	18	22	
<u>C 02715</u>		ED		4	1	3	15	23S	29E	596221	3574411*	400		
<u>C 02716</u>		ED		4	4	4	16	23S	29E	595818	3574002*	400		
<u>C 02717</u>		ED		4	2	4	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			2	3	21	23S	29E	594915	3572879*	150		
<u>C 02792</u>		ED			4	3	04	23S	29E	594868	3577336*	200		
<u>C 02793</u>		ED			4	3	04	23S	29E	594868	3577336*	100		
<u>C 02794</u>		ED			4	3	10	23S	29E	596518	3575731*	100		
<u>C 02795</u>		ED			4	3	10	23S	29E	596518	3575731*	200		
<u>C 02797</u>		ED			2	3	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		
<u>C 02807</u>		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 (quarters are 1=NW 2=NE 3=SW 4=SE)
closed) (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

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

Average Depth to Water: 31 feet
Minimum Depth: 10 feet
Maximum Depth: 65 feet

Record Count: 33

PLSS Search:

Township: 23S Range: 29E

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant								
									Source	q	q	q	X	Y		
C 00571	C	IRR	362.4	JOHNNIE GIOVENGO, JR.	ED	C 00571			Shallow	1	3	30	23S	29E	591241	3570957*
C 03121	C	DOL	3	JOHNNIE GIOVENGO, JR.	ED	C 00571			Shallow	1	3	30	23S	29E	591241	3570957*

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

Record Count: 2

POD Search:

POD Number: C 00571

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin Use Diversion Owner	County	POD Number	Code Grant	Source	q q q				X	Y
						6416	4	Sec	Tws		
C 02182	C PRO 0 SANTA FE ENERGY	ED	C 02182		Shallow	4	30	23S	29E	592328	3571048

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

Record Count: 1

POD Search:

POD Number: C 02182

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	UTM Location								
									Source	Sec	Tws	Rng	X	Y			
C 02705	C			0 IMC KALIUM	ED	C 02705			Shallow	6416	4	2	17	23S	29E	593902	3575093*

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

Record Count: 1

POD Search:

POD Number: C 02705

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	q q q	Sec	Tws	Rng	X	Y
C 02706	C			IMC KALIUM	ED	C 02706		Shallow	4	18	23S	29E	592302	3574291*

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

Record Count: 1

POD Search:

POD Number: C 02706

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source				X	Y			
									Q	Q	Q	Q					
C 02707	C			IMC KALIUM	ED	C 02707			Shallow	6416	4	2	28	23S	29E	595535	3571868'

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

Record Count: 1

POD Search:

POD Number: C 02707

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest) (NAD83 UTM in meters)				
									Source	q	q	q	X	Y			
C 03587	MON		0	MOSAIC POTASH CARLSBAD INC	ED	C 03587 POD1			Shallow	1	1	3	29	23S	29E	593337	3570754

Record Count: 1

POD Search:

POD Number: C 03587 POD1

Sorted by: File Number

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



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

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Range	X	Y	Depth Well	Depth Water	Water Column
<u>C 02095</u>			ED	2	3	34	23S	30E		606337	3569759'	554	440	114
<u>C 02486</u>	C		ED	3	2	3	19	23S	30E	601304	3572832'	350		
<u>C 02770</u>			ED	4	4	1	14	23S	30E	608004	3574921'	286		
<u>C 02771</u>			ED	1	2	3	14	23S	30E	607807	3574718'	295		
<u>C 02772 POD1</u>	C		ED	4	4	1	14	23S	30E	608043	3574840'	300		
<u>C 03139</u>			ED	4	2	4	01	23S	30E	610424	3577764'	425		
<u>C 03222 EXPLORE</u>			ED	1	1	4	12	23S	30E	609833	3576349'	365		
<u>C 03478 POD1</u>	C		ED	2	2	1	21	23S	30E	604825	3573894'	300		
<u>C 03559 POD1</u>	C		ED	4	3	2	01	23S	30E	609928	3578260'	50	0	50
<u>C 03559 POD2</u>	C		ED	4	3	2	01	23S	30E	609928	3578260'	25	0	25
<u>C 03559 POD3</u>	C		ED	4	3	2	01	23S	30E	609928	3578260'	20	0	20
<u>C 03559 POD4</u>	C		ED	4	3	2	01	23S	30E	609928	3578260'	25	0	25
<u>C 03559 POD5</u>	C		ED	4	3	2	01	23S	30E	609912	3578236'	50		

Average Depth to Water: **88 feet**
Minimum Depth: **0 feet**
Maximum Depth: **440 feet**

Record Count: 13

PLSS Search:

Township: 23S Range: 30E

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q	q	q	Sec	Tws	Rng	X	Y
C 02095		STK		8 BUREAU OF LAND MANAGEMENT	ED	C 02095			6416 4	2	3	34	23S	30E		606337	3569759'

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

Record Count: 1

POD Search:

POD Number: C 02095

Sorted by: File Numoer

*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

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O=orphaned,

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

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

POD Number	POD Sub-Code	Basin	County	Q 64	Q 16	Q 4	Sec	Tws	Range	X	Y	Depth Well	Depth Water	Water Column
<u>C 02258</u>	C	ED		3	2	26	23S	31E		618055	3571953*	662		
<u>C 02348</u>	C	ED		1	4	3	26	23S	31E	617648	3571068	500		
<u>C 02492</u>		ED		4	4	4	06	23S	31E	612056	3577320*	135	85	50
<u>C 02492 POD2</u>	C	ED		3	2	2	07	23S	31E	611767	3576996	400	125	275
<u>C 02664</u>		ED		3	3	2	05	23S	31E	613049	3578138*	4291	354	3937
<u>C 02725</u>		ED		1	1	1	05	23S	31E	612240	3578731*	532		
<u>C 02773</u>		ED		4	1	3	03	23S	31E	615668	3577762*	880		
<u>C 02774</u>		ED		3	1	3	04	23S	31E	613857	3577745*	1660		
<u>C 02775</u>		ED		1	1	1	05	23S	31E	612240	3578731*	529		
<u>C 02776</u>		ED		2	1	1	05	23S	31E	612440	3578731*	661		
<u>C 02777</u>		ED		2	2	2	15	23S	31E	616905	3575562*	1001		
<u>C 02865</u>		ED		4	4	4	06	23S	31E	612056	3577320*	174		
<u>C 02954 EXPL</u>		ED		3	1	4	20	23S	31E	613114	3572906*	905		
<u>C 03140</u>		ED		4	2	4	04	23S	31E	615266	3577758*	684		
<u>C 03351</u>	C	ED		4	1	4	04	23S	31E	614917	3577861	320	168	152
<u>C 03520 POD1</u>	C	ED		3	1	1	07	23S	31E	610733	3576905	500		

Average Depth to Water: 183 feet

Minimum Depth: 85 feet

Maximum Depth: 354 feet

Record Count: 16

PLSS Search:

Township: 23S Range: 31E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	(quarters are 1=NW 2=NE 3=SW 4=SE)				X	Y				
									Source	6416	4	Sec			Tws	Rng	(quarters are smallest to largest!)	
										(NAD83 UTM in meters)								
										q	q	q						
<u>C 02492</u>		COM	105	THE JIMMY MILLS GST TRUST	ED	<u>C 02492</u>			Shallow	4	4	4	06	23S	31E	612056	3577320'	↗
<u>C 03668</u>	C	STK	3	J T MILLS 2005 GST TRUST	ED	<u>C 02492</u> POD2			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

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub	basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	4	4	4	Sec	Tws	Rng	X	Y
C 03668	C	STK		3	J T MILLS 2005 GST TRUST	ED	C 02492 POD2			Shallow	3	2	2	07	23S	31E	611767	3576996

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

Record Count: 1

POD Search:

POD Number: C 02492 POD2

Sorted by: File Number

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	Q	Q	Q	Sec	Tws	Rng	X	Y
C 02664	MON		0	SANDIA NATIONAL LABORATORIES	ED	C 02664		Shallow	3	3	2	05	23S	31E	613049	3578138'

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

Record Count: 1

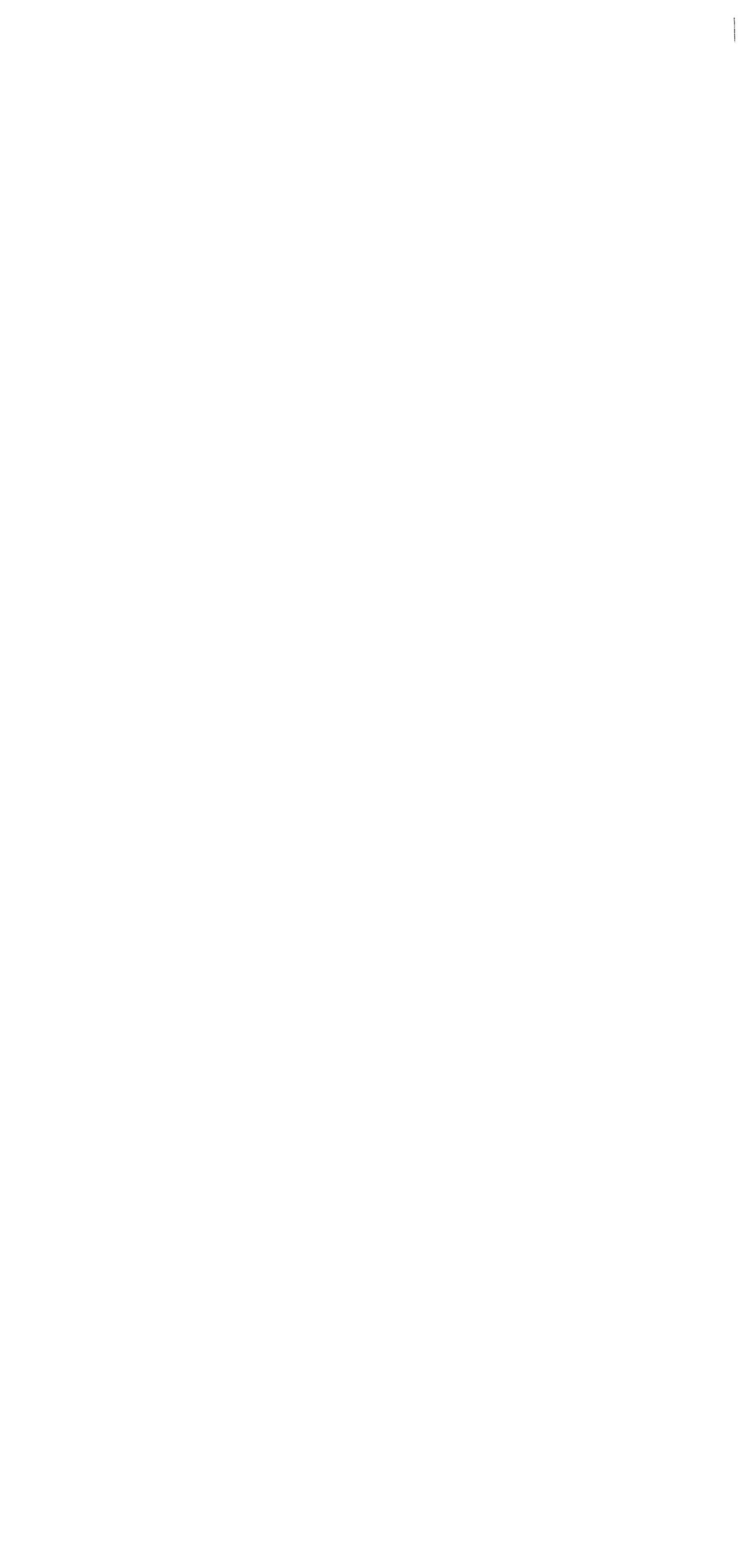
POD Search:

POD Number: C 02664

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin Use Diversion	Owner	County	POD Number	Code Grant	Source	(quarters are 1=NW 2=NE 3=SW 4=SE)				X	Y		
							q	q	q	q				
C 03351	C STK	3 UNITED STATES BUREAU OF LAND MANAGEMENT	ED	C 03351		Shallow	4	1	4	04	23S	31E	014916	3577861

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

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 water right file.)

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

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

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

POD Number	POD		County	Q Q Q				Rng	X	Y	Depth Well	Depth Water	Water Column		
	Sub-	Code basin		64	16	4	Sec							Tws	
<u>C 00349</u>	C	CUB	ED	1	3	18	24S	29E	591401	3564773'		2734			
<u>C 00381</u>	C	C	ED	3	2	3	07	24S	29E	591682	3566297'		2797		
<u>C 00463</u>		C	ED	4	4	4	17	24S	29E	594332	3564282'		260	4	256
<u>C 00856</u>			ED	1	2	4	30	24S	29E	592538	3561644'		380		
<u>C 00857</u>			ED	3	1	4	30	24S	29E	592135	3561440'		306		
<u>C 00862</u>			ED	1	2	4	30	24S	29E	592538	3561644'		155		
<u>C 00863</u>			ED	3	3	1	16	24S	29E	594524	3565091'		220		
<u>C 00863 CLW199506</u>		O	ED	3	3	1	16	24S	29E	594524	3565091'		220		
<u>C 02713</u>		C	ED	4	4	1	16	24S	29E	591633	3565944'		230	18	212
<u>C 03615 POD1</u>		C	ED	1	3	2	06	24S	29E	591964	3568500'		60	36	24
<u>C 03615 POD2</u>		C	ED	4	2	4	06	24S	29E	592661	3568013'		60	26	34

Average Depth to Water: 21 feet
 Minimum Depth: 4 feet
 Maximum Depth: 36 feet

Record Count: 11

PLSS Search:

Township: 24S

Range: 29E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	Q	Q	Q	Sec	Tws	Rng	X	Y
C 00463	C	PRO	0	U.S. GEOLOGICAL SURVEY	ED	C 00463			Shallow	4	4	4	17	24S	29E	59-1332	3564282'

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

Record Count: 1

POD Search:

POD Number: C 00463

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

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

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

Record Count: 2

POD Search:

POD Number: C 02713

Sorted by: File Number

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin Use Diversion Owner	(acre ft per annum)	County	POD Number	Code Grant	Source	Point of Diversion (POD)				X	Y		
							Q	Q	Q	Q				
C 03615	C MON 0 SOUTHWEST SALT COMPANY LLC		ED	C 03615 POD1		Shallow	1	3	2	06	24S	29E	591963	3569500

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

Record Count: 1

POD Search:

POD Number: C 03615 POD1

Sorted by: File Number

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin Use Diversion Owner	County	POD Number	Code Grant	Source	Point of Diversion			X	Y
						Sec	Tws	Rng		
C 03615	C MON 0 SOUTHWEST SALT COMPANY LLC	ED	C 03615 POD2		Shallow	4 2 4	06	24S 29E	592661	3566013

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

Record Count: 1

POD Search:

POD Number: C 03615 POD2

Sorted by: File Number

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced.)

O=orphaned.

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

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

(In feet)

POD Number	POD Sub-Code	Basin	County	Q Q Q				Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
				64	16	4	4								
<u>C 02108</u>			ED	1	3	08	24S	30E	602702	3566487*	☹	200	186	14	
<u>C 02109</u>			ED	1	2	4	19	24S	30E	602130	3563412	☹	130	150	-20
<u>C 02110</u>			ED	4	3	23	24S	30E	608036	3562950*	☹	600	400	200	
<u>C 02780</u>			ED	2	3	2	23	24S	30E	608535	3563857*	☹	505		
<u>C 02781</u>			ED	4	3	2	23	24S	30E	608535	3563657*	☹	624		
<u>C 02782</u>			ED	4	3	2	23	24S	30E	608535	3563657*	☹	808		
<u>C 03558 POD1</u>	C		ED	1	2	2	25	24S	30E	610412	3562651	☹	20	0	20
<u>C 03558 POD2</u>	C		ED	1	2	2	25	24S	30E	610412	3562651	☹	20	0	20
<u>C 03558 POD3</u>	C		ED	1	2	2	25	24S	30E	610412	3562651	☹	25	0	25
<u>C 03558 POD4</u>	C		ED	1	2	2	25	24S	30E	610412	3562651	☹	25	0	25
<u>C 03558 POD5</u>	C		ED	1	2	2	25	24S	30E	610412	3562651	☹	30	0	30

Average Depth to Water: 92 feet
 Minimum Depth: 0 feet
 Maximum Depth: 400 feet

Record Count: 11

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Township: 24S

Range: 30E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

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

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

Record Count: 1

POD Search:
 POD Number: C 02108

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

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant					X	Y					
								(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)				
C 02110		STK	3	CLARENCE W. McDONALD	ED	C 02110		4	4	4	6416	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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New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

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

C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

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

Average Depth to Water: 182 feet
Minimum Depth: 160 feet
Maximum Depth: 205 feet

Record Count: 10

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Township: 24S

Range: 31E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

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

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

Record Count: 5

POD Search:

POD Number: C 02405

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	(quarters are smallest to largest) (NAD83 UTM in meters)								
									Source	6416 4	Sec	Tws	Rng	X	Y		
C 02464	C	PRO	0	COMMISSIONER OF PUBLIC LANDS	ED	C 02464			Shallow	3	4	1	02	24S	31E	617589	3568530'

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

Record Count: 1

POD Search:

POD Number: C 02464

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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

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

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

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

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

(In feet)

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

Average Depth to Water: 42 feet

Minimum Depth: 30 feet

Maximum Depth: 60 feet

Record Count: 7

PLSS Search:

Township: 25S

Range: 29E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

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

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

Record Count: 1

POD Search:

POD Number: C 01337

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

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

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

Record Count: 1

POD Search:
 POD Number: C 01880

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer 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	Sub-Code	Basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01379	C	ED	4	4	3	10	25S	30E	606571	3556355*		400		

Average Depth to Water: --
Minimum Depth: --
Maximum Depth: --

Record Count: 1

Basin/County Search:

Basin: Carlsbad County: Eddy

PLSS Search:

Township: 25S Range: 30E

*UTM location was derived from PLSS - see Help

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



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

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

(R=POD has been replaced.

O=orphaned.

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

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

(In feet)

POD Number	POD Sub-Code	Basin	County	Q 6	Q 4	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<u>C 02250</u>			ED	3	1	4	2	25S	31E	614912	3553620*	400	390	10
<u>C 02568</u>			ED	4	3	1	0	25S	31E	619103	3558892*	1025		
<u>C 02569</u>			ED	4	4	2	02	25S	31E	618699	3558891*	1016		
<u>C 02570</u>			ED	4	2	4	02	25S	31E	618704	3558489*	895		
<u>C 02571</u>			ED	4	1	2	02	25S	31E	618292	3559294*	860		
<u>C 02572</u>			ED	4	2	2	02	25S	31E	618695	3559294*	852		
<u>C 02573</u>			ED	1	4	2	02	25S	31E	618499	3559091*			
<u>C 02574</u>			ED	1	1	2	02	25S	31E	618092	3559494*			

Average Depth to Water: 390 feet

Minimum Depth: 390 feet

Maximum Depth: 390 feet

Record Count: 8

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Township: 25S

Range: 31E

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer
Active & Inactive Points of Diversion
 (with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	6416	4	Sec	Tws	Rng	X	Y
C 02250		STK		3 BUCK JACKSON TRUST	ED	C 02250			9 9 9	3	1	4	21	25S 31E	614912	3553620'

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

Record Count: 1

POD Search:

POD Number: C 02250

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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.



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

December 04, 2013

JODY WALTERS

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: POKER LAKE UNIT #227

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

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/02/2013	Sampling Date:	12/02/2013
Reported:	12/04/2013	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #227	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	12/04/2013	ND	416	104	400	0.00		

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	12/04/2013	ND	416	104	400	0.00		

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	12/04/2013	ND	416	104	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

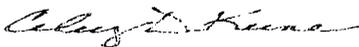
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Diversified Field Service</u>		BILL TO		ANALYSIS REQUEST																																																																																												
Project Manager: <u>Amy Ruth</u>		P.O. #:		<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> Chloride TPH BGLSM BTEX </div>																																																																																												
Address: <u>3912 Del Paso</u>		Company: <u>BoPCO</u>																																																																																														
City:	State:	Zip:	Attn: <u>TONY</u>																																																																																													
Phone #:	Fax #:		Address:																																																																																													
Project #:	Project Owner: <u>BoPCO</u>		City:																																																																																													
Project Name: <u>D.L.U. #227</u>			State:																																																																																													
Project Location:			Zip:																																																																																													
Sampler Name:			Phone #:																																																																																													
		Fax #:																																																																																														
<table border="1"> <thead> <tr> <th colspan="2">FOR LAB USE ONLY</th> <th rowspan="2">G/RAB OR C/COMP. # CONTAINERS</th> <th colspan="7">MATRIX</th> <th colspan="2">PRESERV.</th> <th colspan="2">SAMPLING</th> </tr> <tr> <th>Lab I.D.</th> <th>Sample I.D.</th> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER:</th> <th>ACID/BASE:</th> <th>ICE / COOL</th> <th>OTHER:</th> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td><u>H302915</u></td> <td></td> </tr> <tr> <td><u>1</u></td> <td><u>SD121</u></td> <td><u>6</u></td> <td></td> <td></td> <td><u>X</u></td> <td></td> <td></td> <td></td> <td><u>X</u></td> <td></td> <td><u>12-2-13</u></td> <td><u>10:40</u></td> <td><u>X</u></td> </tr> <tr> <td><u>2</u></td> <td><u>SR201</u></td> <td><u>6</u></td> <td></td> <td></td> <td><u>X</u></td> <td></td> <td></td> <td></td> <td><u>X</u></td> <td></td> <td><u>12-2-13</u></td> <td><u>2:15</u></td> <td><u>X</u></td> </tr> <tr> <td><u>3</u></td> <td><u>SR202</u></td> <td><u>6</u></td> <td></td> <td></td> <td><u>X</u></td> <td></td> <td></td> <td></td> <td><u>X</u></td> <td></td> <td><u>12-2-13</u></td> <td><u>1:36</u></td> <td><u>X</u></td> </tr> </tbody> </table>																FOR LAB USE ONLY		G/RAB OR C/COMP. # CONTAINERS	MATRIX							PRESERV.		SAMPLING		Lab I.D.	Sample I.D.	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	<u>H302915</u>														<u>1</u>	<u>SD121</u>	<u>6</u>			<u>X</u>				<u>X</u>		<u>12-2-13</u>	<u>10:40</u>	<u>X</u>	<u>2</u>	<u>SR201</u>	<u>6</u>			<u>X</u>				<u>X</u>		<u>12-2-13</u>	<u>2:15</u>	<u>X</u>	<u>3</u>	<u>SR202</u>	<u>6</u>			<u>X</u>				<u>X</u>		<u>12-2-13</u>
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Relinquished By: <u>Miguel Gomez</u>	Date: <u>12/2/13</u> Time: <u>4:35</u>	Received By: <u>Jodi Hanson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>4.20</u>		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <u>[Signature]</u>	
REMARKS: <u>SJwalter@Basspet.com</u> <u>Aruth@diversifiedfsi.com</u>				

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2325 #54



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

December 06, 2013

JODY WALTERS

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: POKER LAKE UNIT #227

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

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
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Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/03/2013	Sampling Date:	12/03/2013
Reported:	12/06/2013	Sampling Type:	Soil
Project Name:	POKER LAKE UNIT #227	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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

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

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

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Diversified Field Service</u>			BILL TO			ANALYSIS REQUEST											
Project Manager: <u>Amy Ruth</u>			P.O. #:														
Address: <u>3412 Del Paso</u>			Company:														
City: _____ State: _____ Zip: _____			Attn:														
Phone #: _____ Fax #: _____			Address:														
Project #: _____ Project Owner: <u>Boyle</u>			City:														
Project Name: <u>D.L.V. #227</u>			State: _____ Zip: _____														
Project Location:			Phone #:														
Sampler Name: <u>Miguel Gomez</u>			Fax #:														
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX								PRESERV.		SAMPLING			
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME			
<u>H3029928</u>	<u>1 SB4 @ 1</u> <u>2 SB5 @ 1</u>	<u>9</u>	<u>1</u>			<u>X</u>							<u>12-3-13</u>	<u>12:00</u>	<u>XX chloride</u> <u>TPH BALS</u> <u>BTEX</u>		
		<u>9</u>	<u>1</u>			<u>X</u>							<u>12-3-13</u>	<u>1:50</u>			

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

Relinquished By: <u>Miguel Gomez</u>	Date: <u>12/13/13</u>	Received By: <u>Jodi Henson</u>	Time: <u>7:45</u>	Date:	Time:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
Relinquished By:	Date:	Received By:	Time:	Date:	Time:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) <u>[Signature]</u>			REMARKS: <u>SJwalter@BassPet.com</u> <u>ARuth@diversifiedFSI.com</u>

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

[Handwritten Signature]

Appendix V

FINAL FORM C-141

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

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

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

LOCATION OF RELEASE

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

Latitude 32.86647 Longitude 103.8571

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release 50bbbs	Volume Recovered 0
Source of Release: 2" poly line connected to a water transfer pump	Date and Hour of Occurrence 4/19/11 time unknown	Date and Hour of Discovery: 04/19/11 at 7:29 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.* NA		
Describe Cause of Problem and Remedial Action Taken.* A 2" poly line failed where it was connected to a water transfer pump. The pump was shut down causing the flow of water to stop. The poly line was repaired later that evening.		
Describe Area Affected and Cleanup Action Taken.* The produced water traveled down a lease road for approximately 900 ft and approximately 1200 ft. down an arroyo. The BLM agreed to wash the road and arroyo down with fresh water and capture the excess using a vacuum truck. On 04/25/11 approximately 300 bbbs of fresh water was used to rinse the leak area. The area immediately south of the source that was not included in the wash activities, was delineated. Soil samples were field screened and submitted to a commercial lab for confirmation. Based on sample results, the impacted areas not previously washed were excavated and a liner was installed in the area of highest chloride concentration. The excavations were backfilled with clean, imported soil and leveled.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: <i>Tony Savoie</i>	OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Waste Mgmt. & Remediation Specialist	Approval Date: <i>5/6/14</i>	Expiration Date: <i>NA</i>
E-mail Address: TASavoie@BassPet.com	Conditions of Approval: <i>Final</i>	Attached <input type="checkbox"/>
Date: <i>5/12/14</i> Phone: 432-556-8730		

* Attach Additional Sheets If Necessary

4/29/14

