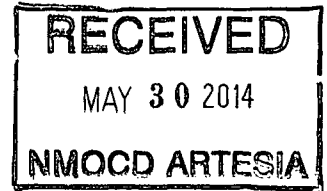


BOPCO



Poker Lake Unit #123

CLOSURE REPORT

2RP-1203

API No. 30-015-28526

Release Date: 5/28/2012

Unit Letter M, Section 22, Township 24 South, Range 31 East

March 12, 2014

Prepared by:

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

Table of Contents

- 1 Introduction
- 2 Site Activities
- 3 Conclusion

Figure – Site Diagram with Sample Data

APPENDICES

Appendix I – Initial Form C-141

Appendix II – Site Photographs

Appendix III – Groundwater Data

Appendix IV – Laboratory Analyses

Appendix V – Correspondence

Appendix VI – Final Form C-141

PLU #123

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 1 inch line failure at the connection to a valve on the well head. Produced water and crude oil leaked onto approximately 2,660 square feet of caliche pad and 60 sq. ft. of pasture. Also, approximately 4000 square feet of pasture was sprayed with crude oil and water from the leaking gauge. The well was shut in, and a vacuum truck collected standing fluids. A form C-141 was submitted to the NMOCD on June 26, 2012 (Appendix I).

2 SITE ACTIVITIES

The entire impacted area was excavated to 1.5 ft. below ground surface (bgs). From August 21-26, 2013, DFSI personnel collected soil samples from the site via backhoe trenching (Figure). The samples were field screened for chloride and were submitted to a commercial laboratory for chloride, TPH (Total Petroleum Hydrocarbons – GRO/DRO), and BTEX (benzene, toluene, ethyl benzene, and xylene) analyses (Appendix IV). At SP6, SP7, and SP8, the chloride, TPH, and BTEX levels were very low and/or non-detect at 1.5 ft. bgs (Figure).

The excavation was deepened at SP1 through SP5 to 3 ft. bgs. DFSI removed approximately 932 cubic yards of impacted soil to an NMOCD approved facility. A 20 mil reinforced liner was seated in the bottom of the excavation, and a PVC pipe was installed in the vicinity of SP5 to allow for possible further delineation of that sample point via drilling. The site was backfilled with 288 cubic yards of top soil, as well as imported caliche and leveled. In addition to addressing the impacted area, DFSI personnel reclaimed the caliche pad on the east, west, and south sides, using this as the cap, and contoured the areas per BLM requirements. Photographs of site activities can be viewed in Appendix II.

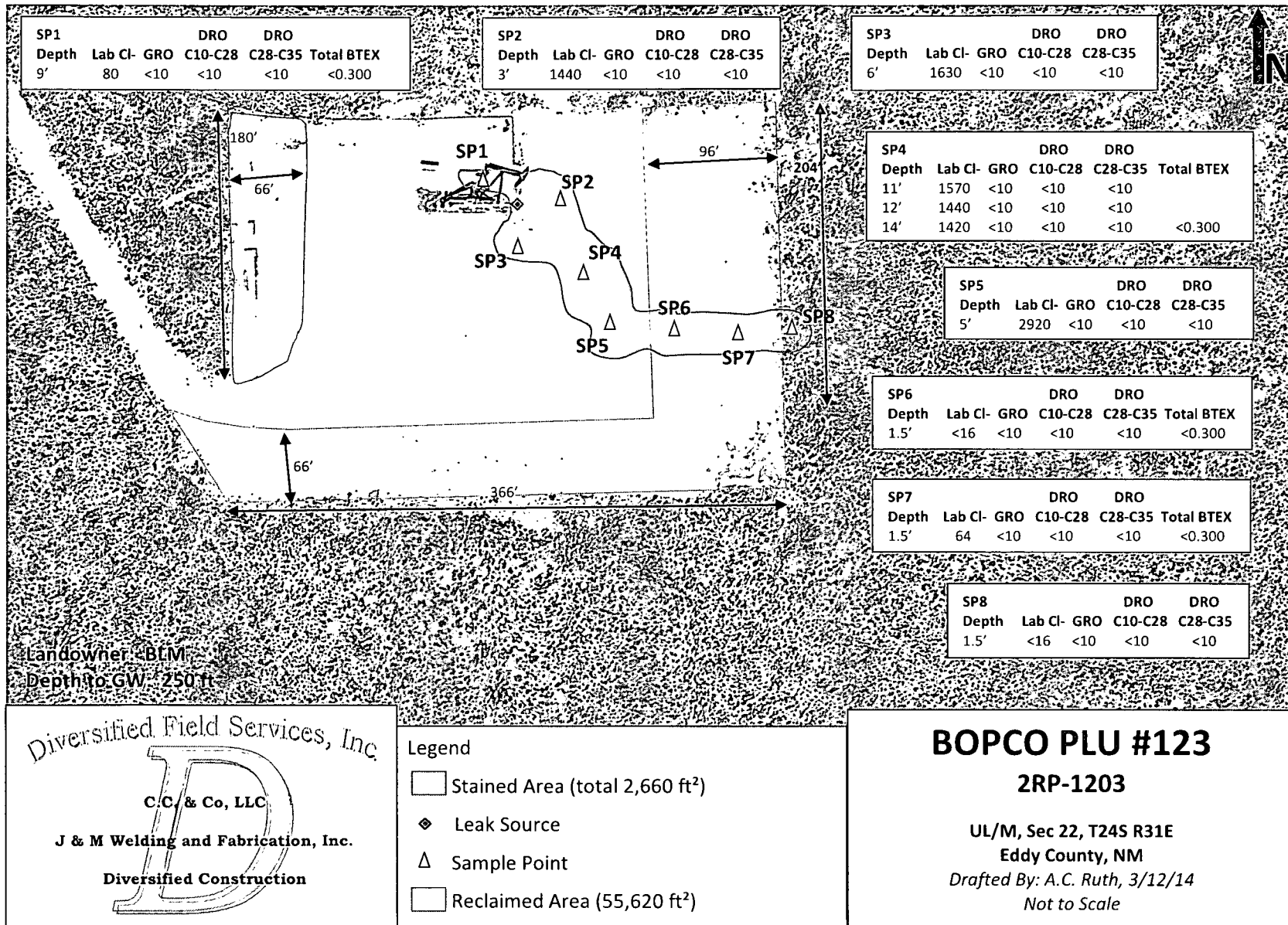
On January 22, 2014, DFSI received an electronic notification that the NMOCD would allow BOPCO to close the site without the need for drilling (Appendix V).

3 Conclusion

According to the U.S. Geological Survey and the NM Office of the State Engineer, depth to groundwater in the area averages approximately 250 ft. bgs (Appendix III).

Based on the removal of surface soils and the installation of a liner, BOPCO submits the final form C-141 (Appendix VI) and 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.
3412 N. Dal Paso
Hobbs, NM 88240
(575) 964-8394

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

nJMW1219334159

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company BOPCO, L.P.	<i>260737</i>	Contact Tony Savoie
Address 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220		Telephone No. 432-556-8730
Facility Name Poker Lake Unit Well #428-123		Facility Type E&P

Surface Owner Federal	Mineral Owner Federal	Lease No. <i>APZ**</i>
-----------------------	-----------------------	------------------------

LOCATION OF RELEASE

30-015-28526

Unit Letter M	Section 22	Township 24S	Range 31E	Feet from the 1980	North/South Line South	Feet from the 1980	East/West Line West	County Eddy
------------------	---------------	-----------------	--------------	-----------------------	---------------------------	-----------------------	------------------------	----------------

Latitude N 32.200969 Longitude W 103.767830

NATURE OF RELEASE

Type of Release: Produced water and crude oil	Volume of Release: 20 Bbls of Produced water and 6 Bbls crude oil	Volume Recovered: 10 bbls total fluid mostly water
Source of Release: Pumping wellhead	Date and Hour of Occurrence 5/28/12 Time unknown	Date and Hour of Discovery 5/28/12 8:30 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD emergency #104 and BLM Jim Amos	
By Whom? Tony Savoie	Date and Hour 5/29/12 8:17 a.m.	
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.*

Describe Cause of Problem and Remedial Action Taken.* Fluid was discovered coming from an open 1" valve on the wellhead and a broken gauge. The well was shut in the valves closed.

Describe Area Affected and Cleanup Action Taken.* Approximately 2600 sq.ft. of caliche pad and approximately 60 sq. ft. of pasture land was affected by the spill from the open valve. Approximately 4000 sq.ft. of pasture land was misted with oil and water from the broken gauge. A vacuum truck removed approximately 10 bbls of fluid at the time it was discovered. The remediation of the produced water and crude oil will be in compliance with the NMOCD and BLM guidelines for leaks and spills.

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.

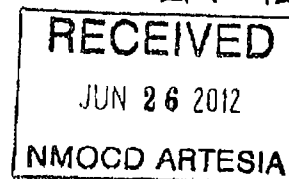
Signature: <i>Tony Savoie</i>		OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie		Approved by District Supervisor: Signed By <i>Mike [Signature]</i>	
Title: Waste Mgmt. & Remediation Specialist		Approval Date: JUL 11 2012 Expiration Date:	
E-mail Address: TASavoie@BassPet.com		Conditions of Approval:	
Date: 6/22/12 Phone: 432-556-8730		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

Remediation per OCD Rules &
Guidelines. **SUBMIT REMEDIATION
PROPOSAL NOT LATER THAN:**

8/11/2012

2RP-1203



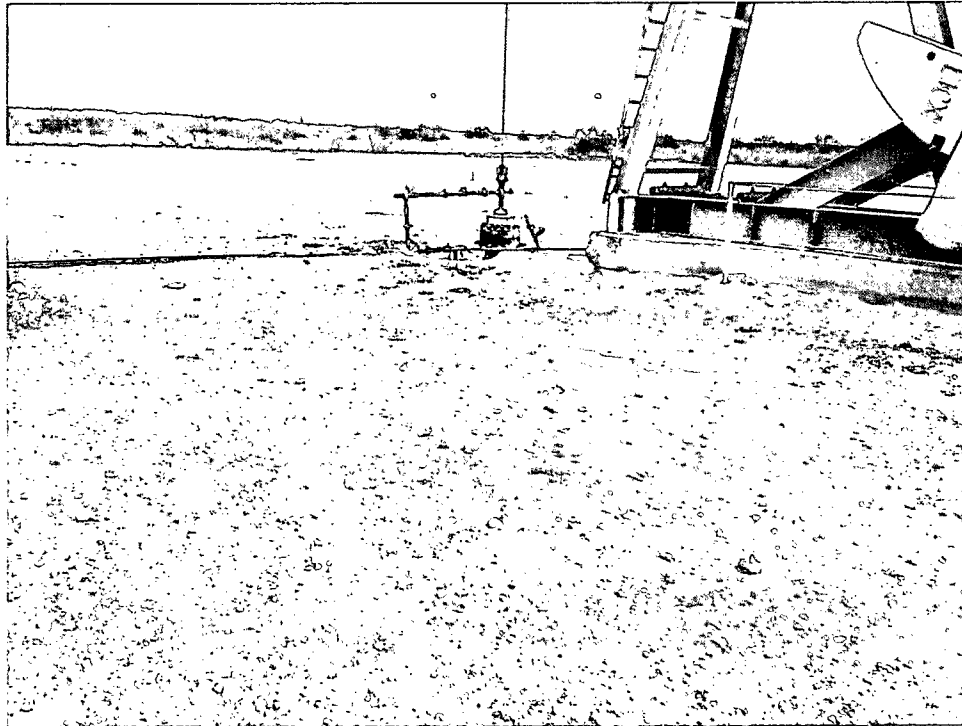
Appendix II

SITE PHOTOGRAPHS

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

BOPCO Poker Unit #123

Unit Letter M, Section 22, T24S R31E



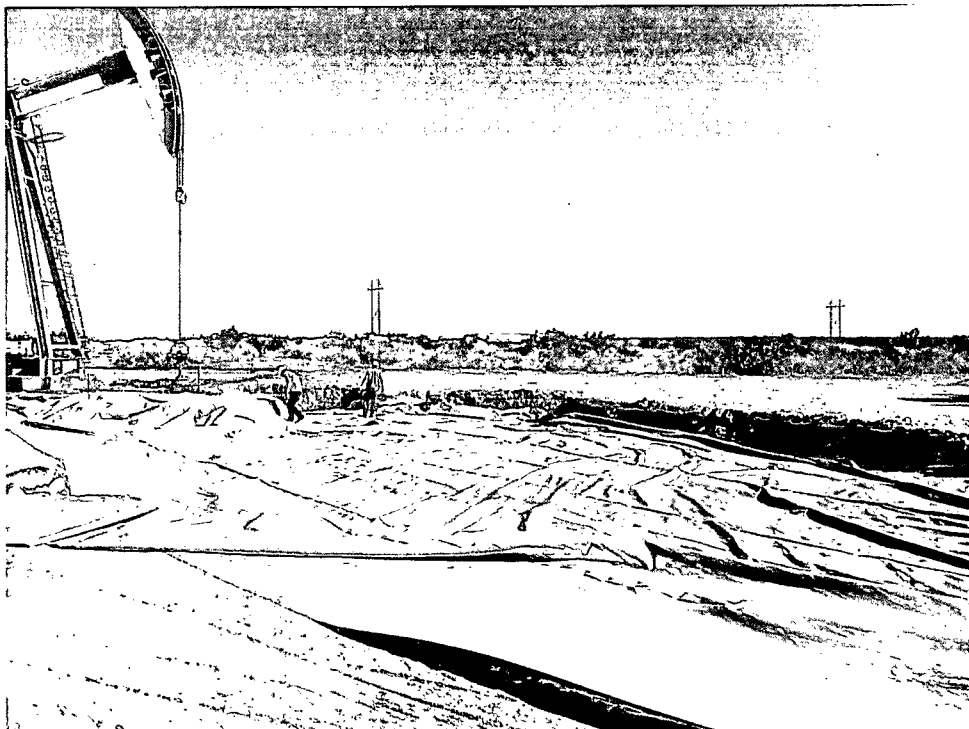
Impacted area north of well head 8/7/13



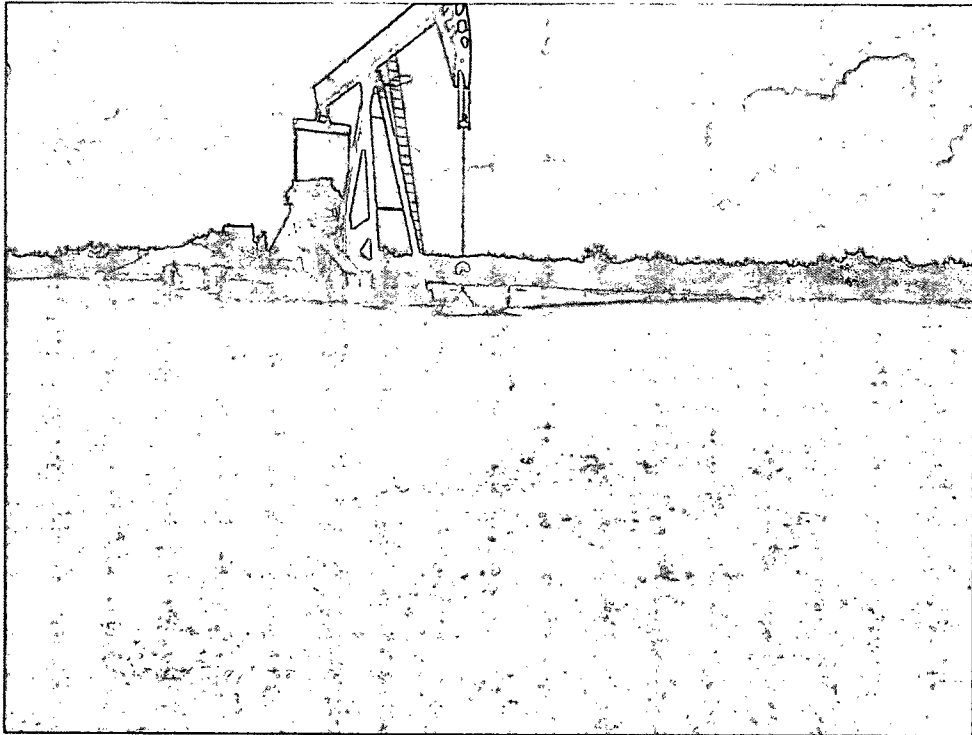
Impacted area southeast of well head 8/7/13



Reclaim of west side of caliche pad 8/30/13



Installation of liner 9/4/13



Site backfilled and leveled

9/11/13



Site backfilled and leveled

10/17/13

Appendix III

GROUNDWATER DATA

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

DEPTH TO GROUNDWATER

BOPCO PLU #123

UL: M Sec: 22 T: 24S R: 31E

Groundwater Depth: ~250 ft. averaged

○ = NM Office of the State Engineer

NMOCD GW trend map - 350 to 375 ft bgs

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

Date: 10/11/13

✕ = Site Location

By: Amy Ruth

	85' JM Trst COM	354' S Labs MON ○ ○ ○ 168' USBLM STK ○ 125' JM Trst STK		
	23S 30E 440' BLM STK ○	23S 31E	23S 32E	
	○ 186' M&M Cattle Co. STK	○ 150' Texaco/PRO, GRR&CM/IRR ○ 205' Com' of Pub Lands PRO		
	24S 30E	24S 31E ✕ ○ 400' CW McDonald STK	24S 32E	
	25S 30E	25S 31E ○ 390' BJT STK	25S 32E	



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

Average Depth to Water: **88 feet**

Minimum Depth: **0 feet**

Maximum Depth: **440 feet**

Record Count: 13

PLSS Search:

Township: 23S

Range: 30E

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)					(R=POD has been replaced and no longer serves this file, C=the file is closed)		(quarters are 1=NW 2=NE 3=SW 4=SE)		(quarters are smallest to largest) (NAD83 UTM in meters)	
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q
C 02095		STK	8	BUREAU OF LAND MANAGEMENT	ED	C 02095			6416 4	Sec Tws Rng
									2 3 34	23S 30E
									606337	3569759*

Record Count: 1

POD Search:

POD Number: C 02095

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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Page 1 of 1

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Water Column/Average Depth to Water

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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 02258</u>	C	ED		3	2	26	23S	31E		618055	3571853*	662		
<u>C 02348</u>	C	ED		1	4	3	26	23S	31E	617648	3571068	500		
<u>C 02492</u>		ED		4	4	4	06	23S	31E	612056	3577320*	135	85	50
<u>C 02492 POD2</u>	C	ED		3	2	2	07	23S	31E	611767	3576996	400	125	275
<u>C 02664</u>		ED		3	3	2	05	23S	31E	613049	3578138*	4291	354	3937
<u>C 02725</u>		ED		1	1	1	05	23S	31E	612240	3578731*	532		
<u>C 02773</u>		ED		4	1	3	03	23S	31E	615668	3577762*	880		
<u>C 02774</u>		ED		3	1	3	04	23S	31E	613857	3577745*	1660		
<u>C 02775</u>		ED		1	1	1	05	23S	31E	612240	3578731*	529		
<u>C 02776</u>		ED		2	1	1	05	23S	31E	612440	3578731*	661		
<u>C 02777</u>		ED		2	2	2	15	23S	31E	616905	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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(quarters are smallest to largest) (NAD83 UTM in meters)

ACTIVE & INACTIVE POINTS OF DIVERSION



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

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

C=the file is closed)

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

		(acre ft per annum)																	
WR File Nbr	Sub	basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	6416	4	Sec	Tws	Rng	X	Y		
C 02492			COM	105	THE JIMMY MILLS GST TRUST	ED	C 02492			Shallow	4	4	4	06	23S	31E	612056	3577320*	
C 03668	C	STK		3	J T MILLS 2005 GST TRUST	ED	C 02492 POD2			Shallow	3	2	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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Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



ACTIVE & INACTIVE POINTS OF DIVERSION



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

(A CLW##### in the
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O=orphaned,
C=the file is

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

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

POD Number	POD		Q Q Q				Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
	Code	Sub-basin	64	16	4	Sec							
<u>C 02216</u>	CUB	LE	2	2	4	21	23S	32E	625035	3573261*	585	400	185
<u>C 02349</u>		ED		2	3	03	23S	32E	625678	3578004*	525		
<u>C 03529 POD1</u>	C	LE	2	4	3	29	23S	32E	622651	3571212	550		

Average Depth to Water: 400 feet

Minimum Depth: 400 feet

Maximum Depth: 400 feet

Record Count: 3

Basin/County Search:

Basin: Carlsbad

PLSS Search:

Township: 23S

Range: 32E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)					(R=POD has been replaced and no longer serves this file, C=the file is closed)		(quarters are 1=NW 2=NE 3=SW 4=SE)		(quarters are smallest to largest) (NAD83 UTM in meters)	
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q
C 02216	CUB	PLS	11.3	BRININSTOOL XL RANCH LLC	LE	C 02216			6416 4	Sec Tws Rng
									2 2 4	21 23S 32E
									625035	3573261*

Record Count: 1

POD Search:

POD Number: C 02216

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

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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 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
<u>C 03702 POD1</u>	C	ED	4	1	4	24	24S	30E		610077	3563371	20		

Average Depth to Water: 92 feet

Minimum Depth: 0 feet

Maximum Depth: 400 feet

Record Count: 12

Basin/County Search:

Basin: Carlsbad

PLSS Search:

Township: 24S

Range: 30E

*UTM location was derived from PLSS - see Help

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



ACTIVE & INACTIVE POINTS OF DIVERSION



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

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

Record Count: 1

POD Search:

POD Number: C 02110

Sorted by: File Number

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water











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

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

(In feet)

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

Average Depth to Water: **182 feet**

Minimum Depth: **160 feet**

Maximum Depth: **205 feet**

Record Count: 10

Basin/County Search:

Basin: Carlsbad

PLSS Search:

Township: 24S

Range: 31E

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

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

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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ACTIVE & INACTIVE POINTS OF DIVERSION



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

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

(R=POD has
been replaced,
O=orphaned,
C=the file is

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

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

(In feet)

POD Number	POD Sub- Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01932	C	ED		3	1	12	24S	32E		628633	3567188*	492		
C 02350		ED		4	3	10	24S	32E		625826	3566333*	60		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 2

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Township: 24S

Range: 32E

*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	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

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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		Q Q Q							X	Y	Depth Well	Depth Water	Water Column
	Sub-	Code	basin	County	64	16	4	Sec	Tws	Rng				
<u>C 02250</u>				ED	3	1	4	21	25S	31E	614912	3553620*	400	390 10
<u>C 02568</u>				ED	4	3	1	01	25S	31E	619103	3558892*	1025	
<u>C 02569</u>				ED	4	4	2	02	25S	31E	618699	3558891*	1016	
<u>C 02570</u>				ED	4	2	4	02	25S	31E	618704	3558489*	895	
<u>C 02571</u>				ED	4	1	2	02	25S	31E	618292	3559294*	860	
<u>C 02572</u>				ED	4	2	2	02	25S	31E	618695	3559294*	852	
<u>C 02573</u>				ED	1	4	2	02	25S	31E	618499	3559091*		
<u>C 02574</u>				ED	1	1	2	02	25S	31E	618092	3559494*		

Average Depth to Water: 390 feet

Minimum Depth: 390 feet

Maximum Depth: 390 feet

Record Count: 8

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Township: 25S

Range: 31E

*UTM location was derived from PLSS - see Help

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



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

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

ACTIVE & INACTIVE POINTS OF DIVERSION



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

No records found.

Basin/County Search:

Basin: Carlsbad

County: Eddy

PLSS Search:

Township: 25S

Range: 32E

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

Appendix IV

LABORATORY ANALYSES

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

September 04, 2013

JODY WALTERS

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: PLU 123

Enclosed are the results of analyses for samples received by the laboratory on 08/29/13 15:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



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: 08/29/2013
Reported: 09/04/2013
Project Name: PLU 123
Project Number: NONE GIVEN
Project Location: LOVING, NM

Sampling Date: 08/26/2013
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3' (H302089-01)

Chloride, SM4500Cl-B			mg/kg Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	09/03/2013	ND	416	104	400	0.00		
TPH 8015M			mg/kg Analyzed By: AR/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/03/2013	ND	192	96.2	200	0.272		
DRO >C10-C28	<10.0	10.0	09/03/2013	ND	186	92.9	200	0.528		
EXT DRO >C28-C35	<10.0	10.0	09/03/2013	ND						
Surrogate: 1-Chlorooctane	93.5 %	65.2-140								
Surrogate: 1-Chlorooctadecane	95.9 %	63.6-154								

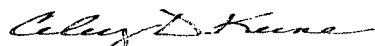
Sample ID: SP 8 @ 1.5' (H302089-02)

Chloride, SM4500Cl-B			mg/kg Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/03/2013	ND	416	104	400	0.00		
TPH 8015M			mg/kg Analyzed By: AR/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/03/2013	ND	192	96.2	200	0.272		
DRO >C10-C28	<10.0	10.0	09/03/2013	ND	186	92.9	200	0.528		
EXT DRO >C28-C35	<10.0	10.0	09/03/2013	ND						
Surrogate: 1-Chlorooctane	91.2 %	65.2-140								
Surrogate: 1-Chlorooctadecane	95.6 %	63.6-154								

Cardinal Laboratories

*=Accredited Analyte

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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: 08/29/2013
Reported: 09/04/2013
Project Name: PLU 123
Project Number: NONE GIVEN
Project Location: LOVING, NM

Sampling Date: 08/28/2013
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 9' (H302089-03)

BTEX 8260B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2013	ND	2.07	104	2.00	3.29		
Toluene*	<0.050	0.050	08/31/2013	ND	1.97	98.7	2.00	3.00		
Ethylbenzene*	<0.050	0.050	08/31/2013	ND	1.87	93.5	2.00	2.92		
Total Xylenes*	<0.150	0.150	08/31/2013	ND	5.61	93.5	6.00	2.55		
Total BTEX	<0.300	0.300	08/31/2013	ND						

Surrogate: Dibromofluoromethane 104 % 61.3-142

Surrogate: Toluene-d8 99.7 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/03/2013	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/03/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	<10.0	10.0	09/03/2013	ND	186	92.9	200	0.528	
EXT DRO >C28-C35	<10.0	10.0	09/03/2013	ND					

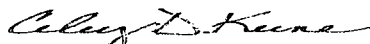
Surrogate: 1-Chlorooctane 84.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.6 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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: 08/29/2013
Reported: 09/04/2013
Project Name: PLU 123
Project Number: NONE GIVEN
Project Location: LOVING, NM

Sampling Date: 08/28/2013
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 6' (H302089-04)

BTEX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2013	ND	2.07	104	2.00	3.29	
Toluene*	<0.050	0.050	08/31/2013	ND	1.97	98.7	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/31/2013	ND	1.87	93.5	2.00	2.92	
Total Xylenes*	<0.150	0.150	08/31/2013	ND	5.61	93.5	6.00	2.55	
Total BTEX	<0.300	0.300	08/31/2013	ND					

Surrogate: Dibromofluoromethane 102 % 61.3-142

Surrogate: Toluene-d8 99.3 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	09/03/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/03/2013	ND	197	98.4	200	0.223	
DRO >C10-C28	<10.0	10.0	09/03/2013	ND	189	94.3	200	1.30	
EXT DRO >C28-C35	<10.0	10.0	09/03/2013	ND					

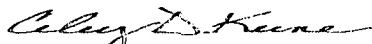
Surrogate: 1-Chlorooctane 92.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.0 % 63.6-154

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*=Accredited Analyte

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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: 08/29/2013
 Reported: 09/04/2013
 Project Name: PLU 123
 Project Number: NONE GIVEN
 Project Location: LOVING, NM

 Sampling Date: 08/28/2013
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: SP 5 @ 5' (H302089-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	09/03/2013	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/03/2013	ND	197	98.4	200	0.223	
DRO >C10-C28	<10.0	10.0	09/03/2013	ND	189	94.3	200	1.30	
EXT DRO >C28-C35	<10.0	10.0	09/03/2013	ND					
Surrogate: 1-Chlorooctane	88.6 %	65.2-140							
Surrogate: 1-Chlorooctadecane	90.4 %	63.6-154							

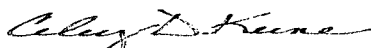
Sample ID: SP 4 @ 11' (H302089-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	09/03/2013	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/03/2013	ND	197	98.4	200	0.223	
DRO >C10-C28	<10.0	10.0	09/03/2013	ND	189	94.3	200	1.30	
EXT DRO >C28-C35	<10.0	10.0	09/03/2013	ND					
Surrogate: 1-Chlorooctane	98.3 %	65.2-140							
Surrogate: 1-Chlorooctadecane	98.4 %	63.6-154							

Cardinal Laboratories

* = Accredited Analyte

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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: 08/29/2013
Reported: 09/04/2013
Project Name: PLU 123
Project Number: NONE GIVEN
Project Location: LOVING, NM

Sampling Date: 08/29/2013
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

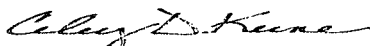
Sample ID: SP 4 @ 12' (H302089-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	09/03/2013	ND	400	100	400	3.92		
TPH 8015M		mg/kg		Analyzed By: AR/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/03/2013	ND	197	98.4	200	0.223		
DRO >C10-C28	<10.0	10.0	09/03/2013	ND	189	94.3	200	1.30		
EXT DRO >C28-C35	<10.0	10.0	09/03/2013	ND						
Surrogate: 1-Chlorooctane	94.5 %	65.2-140								
Surrogate: 1-Chlorooctadecane	95.0 %	63.6-154								

Cardinal Laboratories

*=Accredited Analyte

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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: 08/29/2013
Reported: 09/04/2013
Project Name: PLU 123
Project Number: NONE GIVEN
Project Location: LOVING, NM

Sampling Date: 08/29/2013
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 14' (H302089-08)

BTEX 82608		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2013	ND	2.04	102	2.00	0.199		
Toluene*	<0.050	0.050	08/31/2013	ND	1.96	98.0	2.00	1.69		
Ethylbenzene*	<0.050	0.050	08/31/2013	ND	1.85	92.7	2.00	1.17		
Total Xylenes*	<0.150	0.150	08/31/2013	ND	5.58	93.0	6.00	2.54		
Total BTEX	<0.300	0.300	08/31/2013	ND						

Surrogate: Dibromofluoromethane 102 % 61.3-142
Surrogate: Toluene-d8 102 % 71.3-129
Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	09/03/2013	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/03/2013	ND	197	98.4	200	0.223	
DRO >C10-C28	<10.0	10.0	09/03/2013	ND	189	94.3	200	1.30	
EXT DRO >C28-C35	<10.0	10.0	09/03/2013	ND					

Surrogate: 1-Chlorooctane 88.1 % 65.2-140
Surrogate: 1-Chlorooctadecane 85.4 % 63.6-154

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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Celest 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 Services, Inc.</u>		BILL TO		ANALYSIS REQUEST																					
Project Manager: <u>Amy Ruth</u>		P.O. #:																							
Address: <u>3412 N. Dal Paso</u>		Company: <u>BDPCD</u>																							
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>882</u>		Attn: <u>Tony</u>																							
Phone #: <u>575-864-8394</u> Fax #: <u>575-464-8396</u>		Address:																							
Project #: _____ Project Owner: <u>BDPCD</u>		City:																							
Project Name: <u>PIU 123</u>		State: _____ Zip: _____																							
Project Location: <u>Loving</u>		Phone #:																							
Sampler Name: <u>Daniel Lockhart</u>		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	GRAB OR (COMPI.)	# CONTAINERS	MATRIX					PRESERV.	SAMPLING															
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME											
<u>H302089</u>																									
	<u>1 SP2 @ 3'</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>✓</u>		<u>8-26-13</u>	<u>10:21</u>	<u>Btex</u>	<u>TPH 8015 m</u>	<u>CI-</u>								
	<u>2 SP8 @ 1.5'</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>✓</u>		<u>8-26-13</u>	<u>10:35</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
	<u>3 SP1 @ 9'</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>✓</u>		<u>8-28-13</u>	<u>8:52</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
	<u>4 SP3 @ 6'</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>✓</u>		<u>8-28-13</u>	<u>9:14</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
	<u>5 SP5 @ 5'</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>✓</u>		<u>8-28-13</u>	<u>10:54</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
	<u>6 SP4 @ 11'</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>✓</u>		<u>8-29-13</u>	<u>8:20</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
	<u>7 SP4 @ 12'</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>✓</u>		<u>8-29-13</u>	<u>8:26</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								
	<u>8 SP4 @ 14'</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>✓</u>		<u>8-29-13</u>	<u>9:05</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>								

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Relinquished By: <u>Daniel Lockhart</u>	Date: <u>8/29/13</u>	Received By: <u>Jodi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>3:45</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		Email results:	
			<u>sjwalters@BassPet.com</u>	
			<u>aruth@diversifiedfsi.com</u>	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	<u>[Signature]</u>		
	Yes <input type="checkbox"/> No <input type="checkbox"/>			



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

September 03, 2013

JODY WALTERS

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: PLU 123

Enclosed are the results of analyses for samples received by the laboratory on 08/30/13 16:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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: 08/30/2013
Reported: 09/03/2013
Project Name: PLU 123
Project Number: NONE GIVEN
Project Location: LOVING, NM

Sampling Date: 08/21/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 6 @ 1.5' (H302102-01)

BTEX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/31/2013	ND	2.04	102	2.00	0.199	
Toluene*	<0.050	0.050	08/31/2013	ND	1.96	98.0	2.00	1.69	
Ethylbenzene*	<0.050	0.050	08/31/2013	ND	1.85	92.7	2.00	1.17	
Total Xylenes*	<0.150	0.150	08/31/2013	ND	5.58	93.0	6.00	2.54	
Total BTEX	<0.300	0.300	08/31/2013	ND					

Surrogate: Dibromofluoromethane 104 % 61.3-142

Surrogate: Toluene-d8 99.6 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/03/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/03/2013	ND	193	96.6	200	0.952	
DRO >C10-C28	<10.0	10.0	09/03/2013	ND	188	93.9	200	1.17	
EXT DRO >C28-C35	<10.0	10.0	09/03/2013	ND					

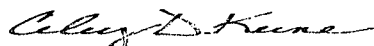
Surrogate: 1-Chlorooctane 99.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.4 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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: 08/30/2013
 Reported: 09/03/2013
 Project Name: PLU 123
 Project Number: NONE GIVEN
 Project Location: LOVING, NM

 Sampling Date: 08/21/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 1.5' (H302102-02)

BTEx 8260B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2013	ND	2.04	102	2.00	0.199		
Toluene*	<0.050	0.050	08/31/2013	ND	1.96	98.0	2.00	1.69		
Ethylbenzene*	<0.050	0.050	08/31/2013	ND	1.85	92.7	2.00	1.17		
Total Xylenes*	<0.150	0.150	08/31/2013	ND	5.58	93.0	6.00	2.54		
Total BTEx	<0.300	0.300	08/31/2013	ND						

Surrogate: Dibromofluoromethane 104 % 61.3-142

Surrogate: Toluene-d8 98.5 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/03/2013	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/03/2013	ND	193	96.6	200	0.952		
DRO >C10-C28	<10.0	10.0	09/03/2013	ND	188	93.9	200	1.17		
EXT DRO >C28-C35	<10.0	10.0	09/03/2013	ND						


Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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

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Celey D. Keene, Lab Director/Quality Manager



Page 5 of 5

Company Name: Diversified Field Services, Inc.				BILL TO				ANALYSIS REQUEST																									
Project Manager: Amy Ruth				P.O. #:				<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); margin-right: 10px;">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); margin-right: 10px;">TPH 80x5 M</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); margin-right: 10px;">Chloride</div> </div>																									
Address: 3412 N. Del Paso				Company: BDPCD																													
City: Hobbs State: NM Zip: 882				Attn: Tony																													
Phone #: 575-964-8394 Fax #: 575-964-8396				Address:																													
Project #: Project Owner: BDPCD				City:																													
Project Name: PLU #123				State: Zip:																													
Project Location: Eddy NM				Phone #:																													
Sampler Name: Amy Ruth				Fax #:																													
FOR LAB USE ONLY																																	
Lab I.D.		Sample I.D.		MATRIX		PRESERV.														SAMPLING													

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: <i>[Signature]</i>		Date: <i>8-30-13</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Time: <i>1635</i>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Relinquished By: _____		Date: _____	Received By: _____	REMARKS:	
Time: _____				Email results:	
Delivered By: (Circle One)		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Initials: <i>[Signature]</i>	
5.22				STWalters@BassPet.com	
				aruth@diversifiedfsi.com	

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

Appendix V

CORRESPONDENCE

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

Amy Ruth

From: Walters, Sherman J. <SJWalters@BassPet.Com>
Sent: Wednesday, January 22, 2014 5:24 PM
To: Amy Ruth
Subject: Re: Site Closures

I have talked to Mile about the PLU 123 and he said that we did not need to drill. You can finish that one

Sent from my iPhone

On Jan 22, 2014, at 5:11 PM, "Amy Ruth" <aruth@diversifiedfsi.com<mailto:aruth@diversifiedfsi.com>> wrote:

Hey Tony,

Below addresses the status of the sites. We did have an oversight regarding the PLU #123. I haven't followed up with Bratcher on whether or not he's going to require us to drill. I'll get on that in the morning. Thank you very much!

Respectfully,

Amy

From: Savoie, Tony A. [mailto:TASavoie@BassPet.Com]
Sent: Wednesday, January 22, 2014 1:34 PM
To: Michael Patterson; Amy Ruth
Cc: Walters, Sherman J.
Subject: Site Closures

When can we expect closure reports with Final C-141's on the following:

PLU-241 Flow line spill, Dirt work completed 11/15/13 – Closure report drafted, Jody reviewing document, need to complete a site diagram

PLU-123 Well head spills, Dirt work completed 10/18/13 – Need to find out from Bratcher whether drilling is required

PLU- Big Sinks 14-25-30 Tank Battery ZH spill completed ???? – Backfill done (approved by OCD), closure report drafted, need to meet and close

PLU-227 Flow line spills, dirt work completed 12/20/13 – Closure report drafted, Jody reviewing document, need to complete a site diagram

PLU-139 Well head spill, soil boring event completed 12/11/13 – Closure report to be drafted next along with PLU #411 (may we have a C-141 for the 411?) There were sampling events conducted on the following, what is the status?

PLU-68 pig trap spill, sampled 9/16/13 – is this one reportable? If reportable, we can write a closure if you can send us a C-141 – if not, we know to do an in-house report

PLU-196 Tank Battery spill, sampled 9/16/13 – is this one reportable? Waiting on the go-ahead to excavate the impacted area to 1' bgs (approximately 16'x32' area) and follow up with a report I need this information as soon as possible!

Thanks,

Tony

Appendix VI

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, L.P.	Contact: Tony Savoie	
Address 522 W. Mermod, Suite 704 Carlsbad, NM 88220	Telephone No. 432-556-8730	
Facility Name: Poker Lake Unit Well #123	Facility Type E&P	
Surface Owner Federal	Mineral Owner Federal	API No. 30-015-28526

LOCATION OF RELEASE

Unit Letter M	Section 22	Township 24S	Range 31E	Feet from the 1980	North/South Line SL	Feet from the 1980	East/West Line WL	County Eddy
------------------	---------------	-----------------	--------------	-----------------------	------------------------	-----------------------	----------------------	----------------

Latitude 32.200969 Longitude 103.767830

NATURE OF RELEASE

Type of Release Produced Water and Crude Oil	Volume of Release 20 bbls PW 6 bbls oil	Volume Recovered 10 bbls total
Source of Release Well Head	Date and Hour of Occurrence 5/28/12 Time unknown	Date and Hour of Discovery 5/28/12 8:30 P.M.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD emergency #104 and BLM Jim Amos	
By Whom? Tony Savoie	Date and Hour 05/29/12 8:17 A.M.	
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.* Fluid was discovered coming from an open 1" valve on the wellhead and a broken gauge. The well was shut in and the valves closed.		
Describe Area Affected and Cleanup Action Taken.* Approximately 2600 sq. ft. of caliche pad and approximately 60 sq. ft. of pasture land was affected by the spill from the open valve. Approximately 4000 sq. ft. of pasture land was misted with oil and water from the broken gauge. The site was excavated and soil samples were collected from backhoe trenches. The samples were sent to a commercial lab for analyses. The excavation was installed with a 20 mil reinforced plastic liner at 3 ft. and padded with imported sand. The excavation was capped with caliche, and the site was leveled and dressed.		
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		
Title: Waste Mgmt. & Remediation Specialist	Approval Date:	Expiration Date:
E-mail Address: TASavoie@BassPet.co	Conditions of Approval:	
Date: 5/30/14 Phone: 432-556-8730	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary