BOPCO

Golden D Federal #4

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NMOCD ARTESIA

CLOSURE REPORT

2RP-2218

API No. 30-015-35636

Release Date: 03/06/2014

Unit Letter I, Section 17, Township 21 South, Range 29 East

May 9, 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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Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
(575)964-8394

Golden D Federal #4

1 BACKGROUND

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

There was a leak that developed from the casing choke on the above site. The well was shut in, all valves were closed and bled down. A vacuum truck was utilized to recover free standing fluids. A total of 11 bbls of fluids were released, and approximately one bbl. was recovered. It was noted on the C-141, which based on the initial site assessment by BOPCO that this spill was located almost directly on top of a previous spill at this well location (site diagram). An initial C-141 was submitted to the NMOCD on March 17, 2014. (Appendix I). The site is located northeast of Carlsbad, NM in Unit Letter 'I', sec. 17, T21S R29E in Eddy County, New Mexico. According to the U.S. Geological Survey and the NM Office of the State Engineer; the depth to groundwater in the area averages greater than 112 ft. bgs. (Appendix III).

2 ACTIVITIES

On March 25, 2014 DFSI personnel were on site to initiate work on the Golden D Federal #4 site. There were 9 sample points established in all. Field testing revealed that Chlorides were elevated at all sample points. Field personnel made every attempt to delineate the site at 1ft bgs intervals until acceptable levels of Chloride could be obtained. However, Auger refusal was encountered on all sample points due to rock formation at depths of 2ft to 4ft bgs. The commercial lab returned Chloride analyses of 32 mg/kg to 144 mg/kg respectively. On April 09, 2014 DFSI personnel revisited the site. Utilizing a backhoe, simultaneous sidewall sample confirmations were retrieved. Representative samples were sent to a commercial lab, whereby the Chlorides returned acceptable analyses between 48 to 672 mg/kg. At 1ft. bgs. DRO, GRO and BTEX returned non-detect levels (Appendix IV). 516 tons of excavated soil was removed to an NMOCD approved facility. Photo documentation of these activities can be found in Appendix II.

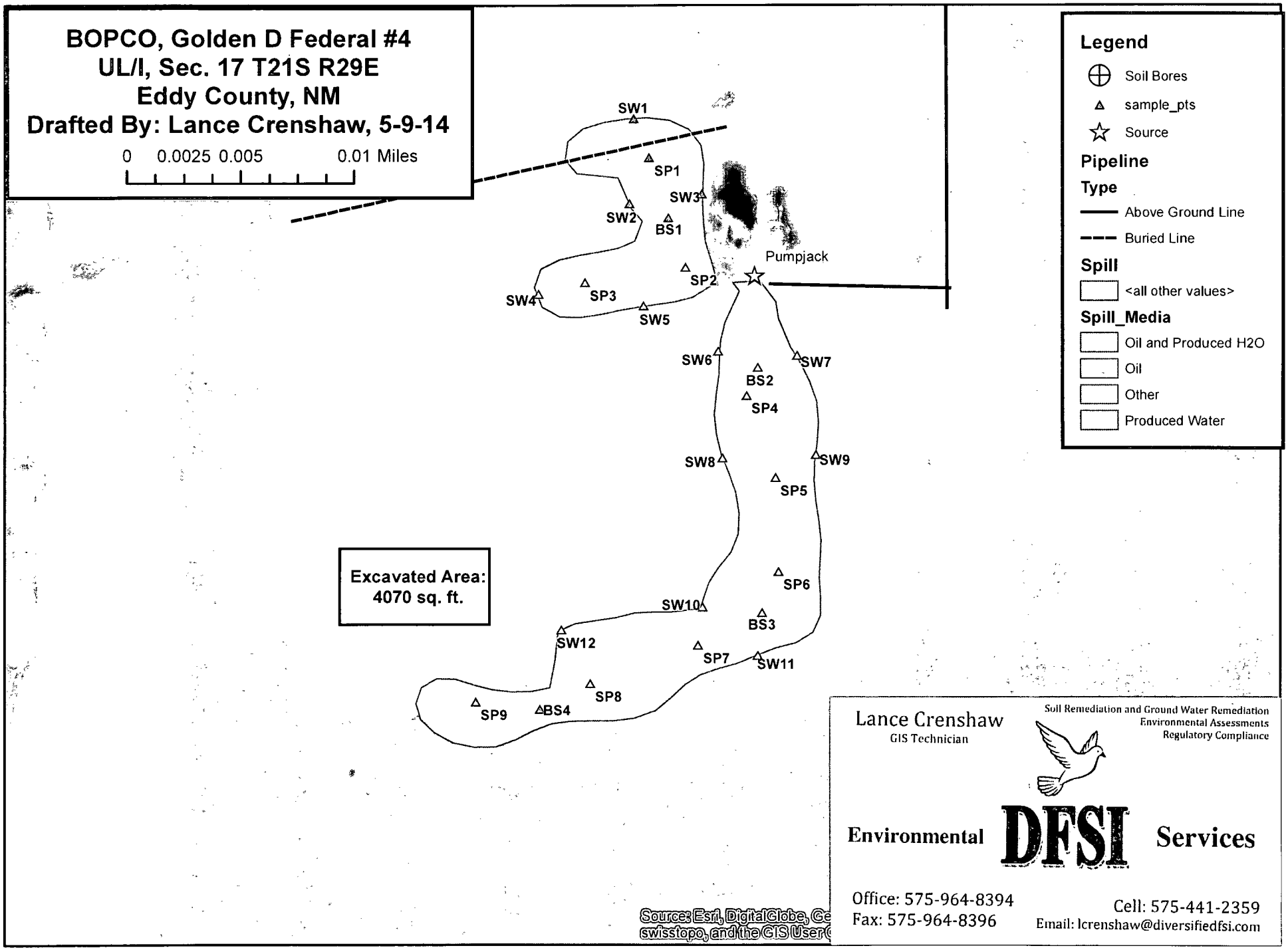
3 Conclusion

Based on Auger refusal at depths of 2 to 4ft bgs and commercial lab analyses; BOPCO representatives determined that a 1 to 3 ft. bgs. excavation removing all impacted soils to an NMOCD approved facility would be an effective site remediation. There were four sample points placed on the excavation floor for confirmation. They all returned acceptable levels of Chloride at depths of 1 to 3ft. bgs. , the analyses were 80 mg/kg to 768 mg/kg with SP3 being the highest. DFSI backfilled the site with 492 tons of fresh imported caliche, blended and dressed the site, restoring the same to its previous condition.
On behalf of BOPCO LP, DFSI respectfully requests closure of this incident.

Excavation Plat

BOPCO, Golden D Federal #4
UL/I, Sec. 17 T21S R29E
Eddy County, NM
Drafted By: Lance Crenshaw, 5-9-14

0 0.0025 0.005 0.01 Miles



Lance Crenshaw
GIS Technician

Soil Remediation and Ground Water Remediation
Environmental Assessments
Regulatory Compliance

Environmental DFSI Services

Office: 575-964-8394
Fax: 575-964-8396
Cell: 575-441-2359
Email: lcrenshaw@diversifiedfsi.com

Company Name: _____ BOPCO
Location Name: _____ Golden D Federal #4

Date: ____ 3/25/2014 4/8/2014 4/9/2014

SP1	CHL
Surface	38613
1'	1374
2'	374
2'	32

SP2	CHL
Surface	52858
1'	4123
2'	1774

Unable to excavate further due to rock layer. No conformation lab's on this SP showing clean.

SP3	CHL
Surface	22018
1'	1024
2'	474
2'	128

SP4	CHL
Surface	25642
1'	3124
2'	949
4.5'	144

SP5	CHL
Surface	59281
1'	5323
3'	1224
4.5'	524
4.5'	144

SP6	CHL
Surface	70528
1'	6423
4'	224
4'	48

SP7	CHL
Surface	47735
1'	5523
4'	199
4'	80

SP8	CHL
Surface	34989
1'	3473
4'	249
4'	32

SP9	CHL
Surface	45410
1'	33839
4'	374
4'	112

SW1	CHL
1'	80

Auger Refusal on all samples used BH to delineate, BH refusal SP2

Excavate to 1' and backfill per BOPCO

SW2	CHL
1'	224

SW3	CHL
1'	176

SW4	CHL
1'	224

SW5	CHL
1	512

SW6	CHL
1'	160

SW7	CHL
1'	672

SW8	CHL
1'	128

SW9	CHL
1'	96

SW10	CHL
1'	80

SW11	CHL
1'	96

SW12	CHL
1'	48

BS1	CHL
3'	160

BS2	CHL
3'	80

BS3	CHL
3'	768

BS4	CHL
3'	160

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

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
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

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MAR 17 2014
NMOCD ARTESIA

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-14
Revised August 8, 201

Submit 1 Copy to appropriate District Office i
accordance with 19.15.29 NMAC

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Rep

Name of Company: BOPCO, L.P.	Contact: Tony Savoie
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No. 575-887-7329
Facility Name: Golden "D" Federal #4	Facility Type: Exploration and Production

Surface Owner: USA	Mineral Owner: USA	API No. 30-015-35636

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County:
I	17	21S	29E	2310	South	330	East	Eddy

Latitude N 32.478527 **Longitude** W 103.999193

NATURE OF RELEASE

Type of Release: Crude oil and produced water	Volume of Release: 1 bbl crude oil and 10 bbls produced water	Volume Recovered: 1 bbl produced wate
Source of Release: Connection on casing choke	Date and Hour of Occurrence 3/6/14 time unknown	Date and Hour of Discovery 3/6/14 at 9:30 a.m.
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
The casing choke developed a leak. The well was shut in, closed all valves and bled down pressure in a vacuum truck.

Describe Area Affected and Cleanup Action Taken.*
The release impacted approximately 4300 sq.ft. of well pad area, based on conditions observed at the time of the site assessment and review of aerial photos, this spill is nearly directly on top of a previous spill at the well location. All of the free standing fluid was recovered. The spill area was left intact pending remediation activities.
The pad area will be cleaned in accordance to the NMOCD and BLM remediation guidelines.

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

Signature: Tony Savoie	OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie	Approved by Environmental Specialist:	
Title: Waste Management and Remediation Specialist	Approval Date:	Expiration Date:
E-mail Address: tasavoie@basspet.com	Conditions of Approval:	Attached ☐
Date: 3/17/14 Phone: 432-556-8730		

* Attach Additional Sheets If Necessary

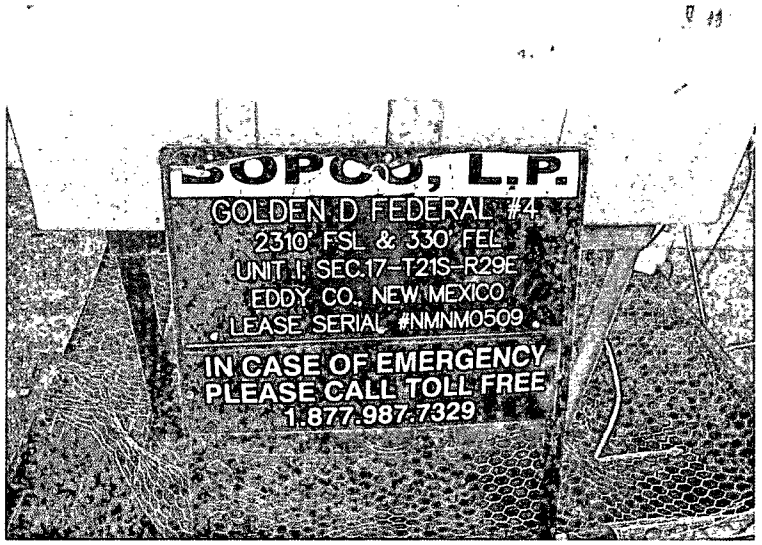
Appendix II

SITE PHOTOGRAPHS

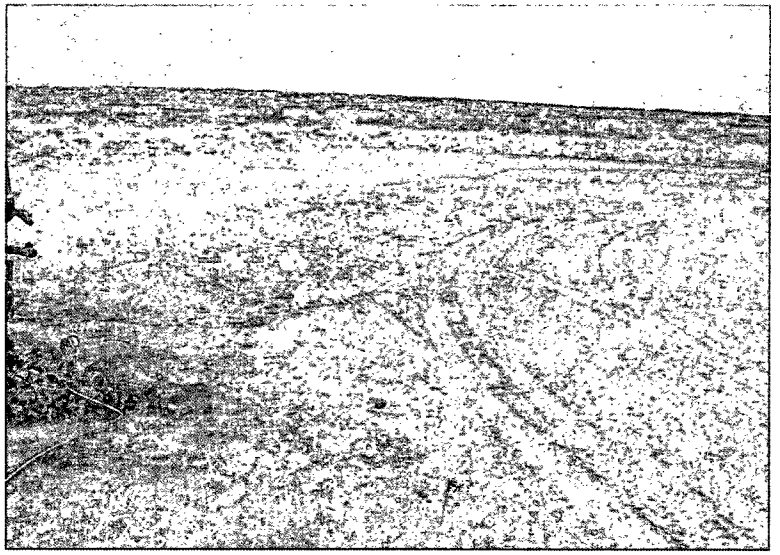
Diversified Field Service, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
(575) 964-8394

Bopco Golden D Federal #4

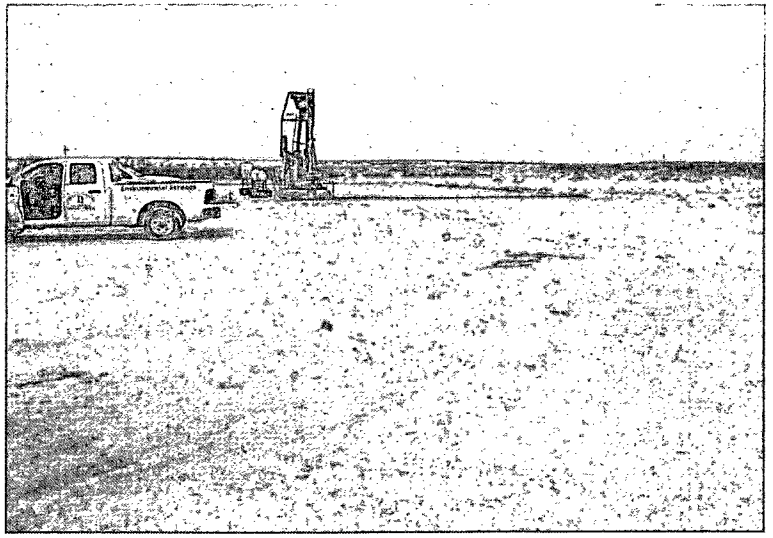
Unit Letter I, Section 17, T21S R29E



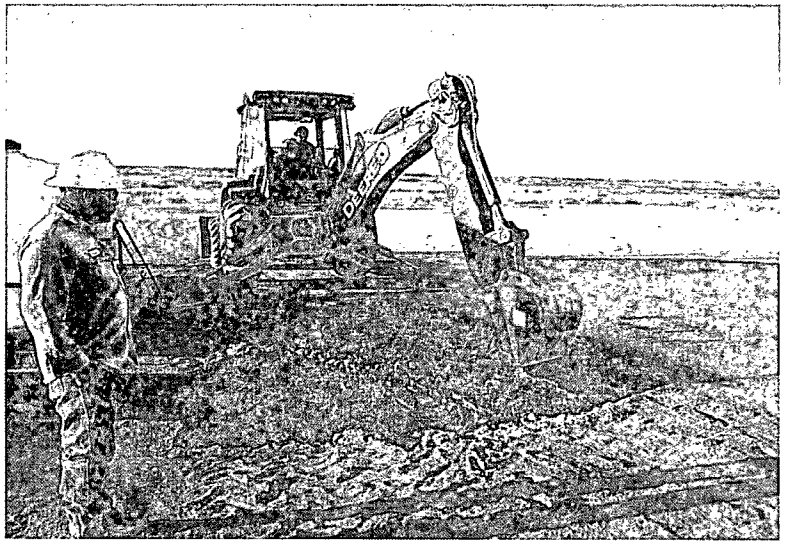
Sign marking location 3/25/14



Leak at the casing choke 3/25/14



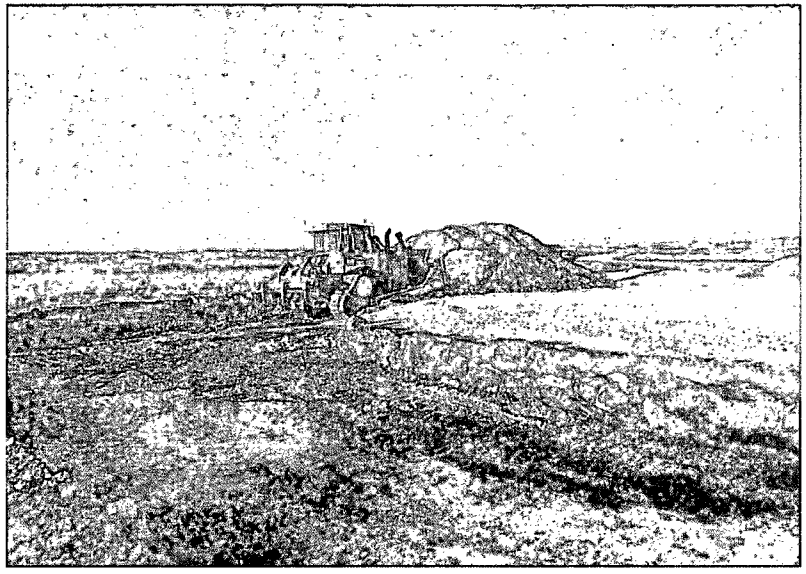
Sample point markers 3/25/14



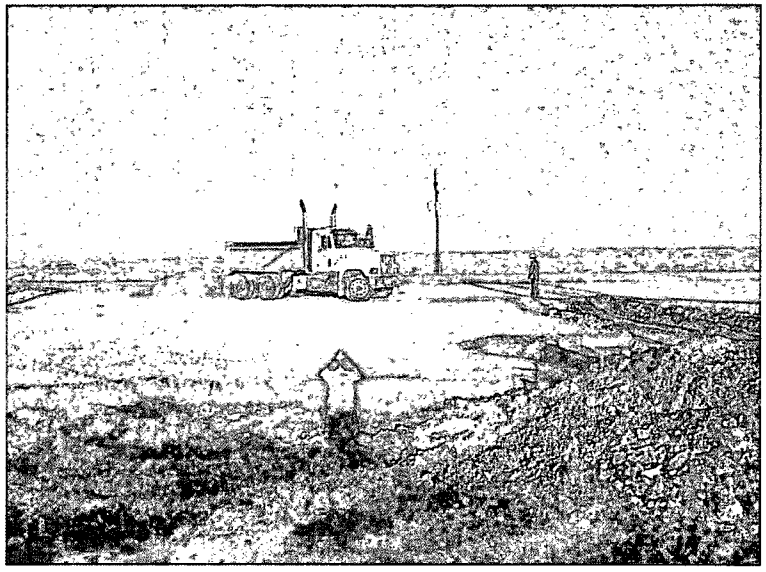
Excavation of impacted pad area 4/8/14

Bopco Golden D Federal #4

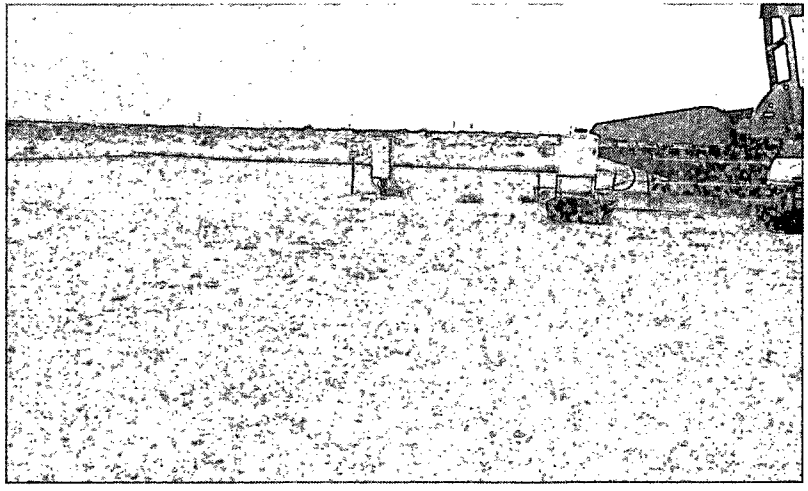
Unit Letter I, Section 17, T21S R29E



Excavation of impacted pad 4/8/14



Hauling off impacted soil 4/8/14



Site at completion 5/13/14

Site at completion 5/13/14

Appendix III

GROUNDWATER DATA

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

DEPTH TO GROUNDWATER

BOPCO Golden D Federal #4

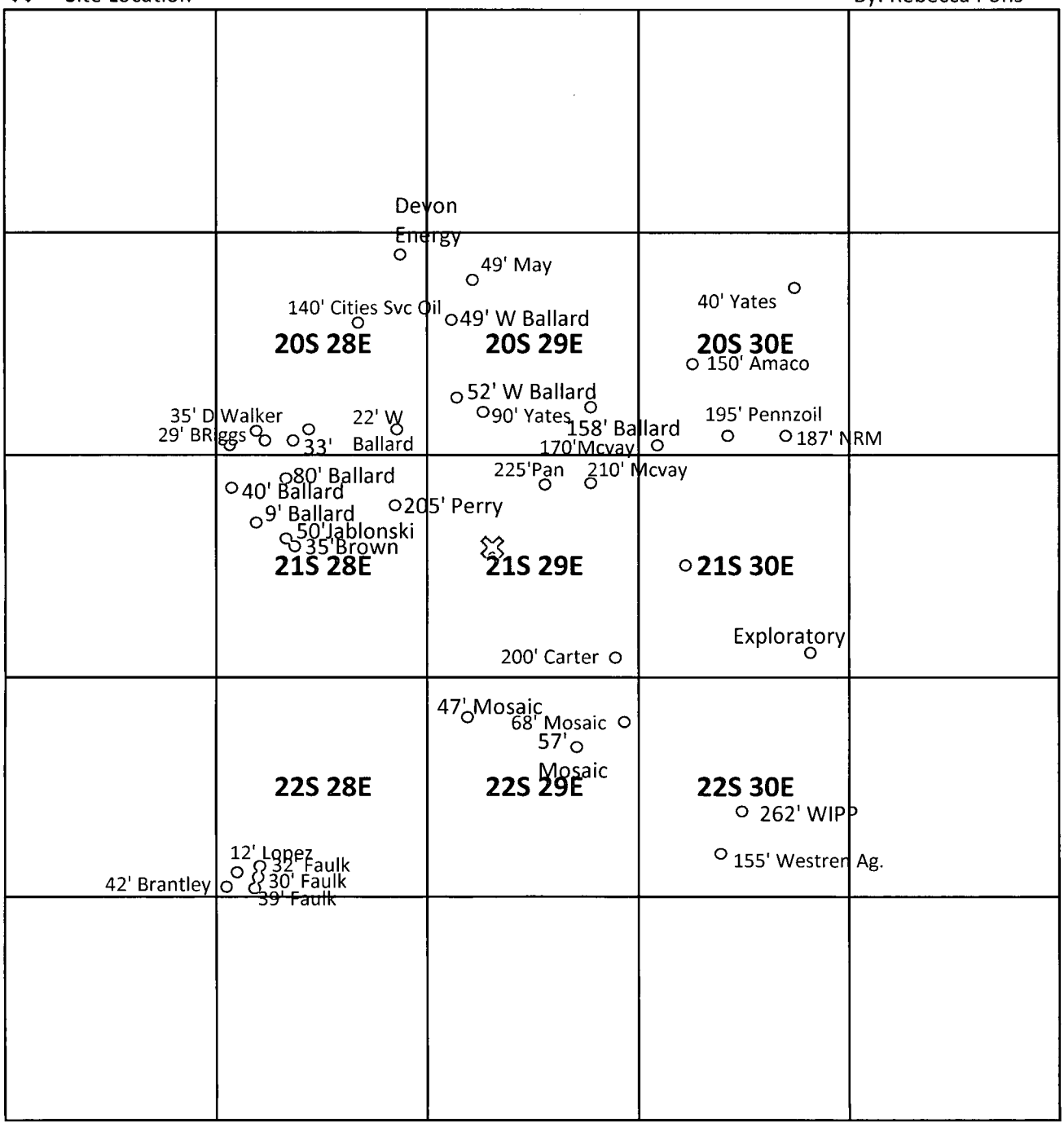
UL: I **Sec:** 17 **T:** 21S **R:** 29E

Groundwater Depth: ~112 ft. averaged

○ = NM Office of the State Engineer
● = U.S. Geological Survey (unknown well)
✕ = Site Location

NMOCD GW trend map - 12 to 262 ft bgs

Date: 03/21/2014
By: Rebecca Pons



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, C=the file is closed)

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

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
)430		PRO	0	PAN AMERICAN PETROLEUM COMPANY	ED	CP 00430			Shallow	1	4 1	03	21S	29E	596221	3597558*

ırd Count: 1

POD Search:

POD Number: CP 00430

Sorted by: File Number

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
C 02722			ED	1	2	1	21	21S	30E	604435	3593203*	592		
C 03234 EXPLORE			ED	1	2	3	35	21S	30E	607695	3589207*	410		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 2

PLSS Search:

Township: 21S **Range:** 30E

***UTM location was derived from PLSS - see Help**

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New Mexico Office of the State Engineer

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

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
22		MON	0	U.S. DEPT. OF ENERGY, WIPP	ED	C 02722				1 2	1	21	21S	30E	604435	3593203*

rd Count: 1

POD Search:

POD Number: C 02722

Sorted by: File Number

location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
34		MON	0	U.S. DEPART OF ENERGY	ED	C 03234 EXPLORE			Artesian	1 2	3	35	21S	30E	607695	3589207*

rd Count: 1

POD Search:

POD Number: C 03234 EXPLORE

Sorted by: File Number

l 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.)

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

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00035			ED	3	3	3	32	22S	28E	583127	3578762*	146		
C 00036			ED	3	3	2	32	22S	28E	583916	3579583*	106		
C 00052	O		ED	3	4	4	30	22S	28E	582707	3580371*	208	12	196
C 00212		C	ED	3	3	3	32	22S	28E	583127	3578762*	146	30	116
C 00212 CLW193874	O		ED	3	3	3	32	22S	28E	583127	3578762*			
C 00213		C	ED	1	4	1	32	22S	28E	583517	3579775*	200	35	165
C 00214			ED	2	3	3	32	22S	28E	583327	3578962*	200		
C 00236		C	ED	2	2	3	32	22S	28E	583723	3579372*	80	39	41
C 00642		C	ED				19	22S	28E	582220	3582687*	200		
C 01508		C	ED	1	1	4	18	22S	28E	582206	3584195*	180		
C 02840			ED	2	3	1	31	22S	28E	581721	3579758*	220		
C 03040		C	ED	4	3	1	31	22S	28E	582254	3579191	72	42	30
C 03094		C	ED	4	3	1	32	22S	28E	583317	3579567*	138	53	85
C 03184		C	ED	2	3	3	32	22S	28E	583327	3578962*	157	30	127
C 03533 POD1		C	ED	3	4	4	03	22S	28E	587377	3586934	55		
C 03533 POD2		C	ED	3	4	4	03	22S	28E	587358	3586935	55		
C 03533 POD3		C	ED	3	4	4	03	22S	28E	587370	3586911	55		
C 03533 POD4		C	ED	4	3	4	03	22S	28E	587331	3586892	55		
C 03534 POD1		C	ED	4	3	4	03	22S	28E	587240	3586950	150		

Average Depth to Water: **34 feet**

Minimum Depth: **12 feet**

Maximum Depth: **53 feet**

Record Count: 19

PLSS Search:

Township: 22S **Range:** 28E

***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)

(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)

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
52	C	IRR	0	CRUZ R. LOPEZ	ED	C 00052 POD2				3 4	4	30	22S	28E	582707	3580371*

rd Count: 1

POD Search:

POD Number: C 00052

Sorted by: File Number

l location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
12	C	IRR	794.46	HAROLD FAULK	ED	C 00212		Shallow	3 3	3	32	22S	28E	583127	3578762*
13		IRR	0	HAROLD FAULK	ED	C 00212		Shallow	3 3	3	32	22S	28E	583127	3578762*
31	C	PRO	0	NADEL & GUSSMAN OIL	ED	C 00212		Shallow	3 3	3	32	22S	28E	583127	3578762*
91	C	PRO	0	NADEL & GUSSMAN	ED	C 00212		Shallow	3 3	3	32	22S	28E	583127	3578762*

ord Count: 4

POD Search:

POD Number: C 00212

Sorted by: File Number

l location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

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(with Ownership Information)

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

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416 4	Sec	Tws	Rng	X	Y
:12	C	IRR	794.46	HAROLD FAULK	ED	C 00213			Shallow	1 4 1	32	22S	28E	583517	3579775*
:13		IRR	0	HAROLD FAULK	ED	C 00213			Shallow	1 4 1	32	22S	28E	583517	3579775*

ırd Count: 2

POD Search:

POD Number: C 00213

Sorted by: File Number

l 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)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q 6416	q 2	q 4	Sec	Tws	Rng	X	Y
36	C	DOM	3	HAROLD FAULK	ED	C 00236			Shallow	2	2	3	32	22S	28E	583723	3579372*

rd Count: 1

POD Search:

POD Number: C 00236

Sorted by: File Number

location was derived from PLSS - see Help

ata 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, ility, 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)

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

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
40	C	DOL	3	BRANTLEY FARMS	ED	C 03040			Shallow	4 3	1	31	22S	28E	582253	3579191
01	C	PRO	0	MEWBOURNE OIL COMPANY	ED	C 03040			Shallow	4 3	1	31	22S	28E	582253	3579191
55	C	PRO	0	PATTERSON DRILLING	ED	C 03040			Shallow	4 3	1	31	22S	28E	582253	3579191
78	C	PRO	0	NADEL & GUSSMAN	ED	C 03040			Shallow	4 3	1	31	22S	28E	582253	3579191
34	C	PRO	0	MEWBOURNE OIL	ED	C 03040			Shallow	4 3	1	31	22S	28E	582253	3579191

rd Count: 5

POD Search:

POD Number: C 03040

Sorted by: File Number

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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, C=the file is closed)

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

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
)94	C	DOL	3	HAROLD FAULK	ED	C 03094			Shallow	4 3	1	32	22S	28E	583317	3579567*

rd Count: 1

POD Search:

POD Number: C 03094

Sorted by: File Number

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)

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

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
84	C	DOL	3	DAVID FAULK	ED	C 03184			Shallow	2 3	3	32	22S	28E	583327	3578962*

rd Count: 1

POD Search:

POD Number: C 03184

Sorted by: File Number

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
C 02743			ED	2	1	4	34	22S	29E	596989	3579473*	377		
C 03531 POD1		C	ED	1	1	2	12	22S	29E	600001	3586721	100	68	32
C 03531 POD2		C	ED	1	1	2	12	22S	29E	600008	3586696	110	68	42
C 03531 POD3		C	ED	1	1	2	12	22S	29E	599995	3586714	105	68	37
C 03531 POD4		C	ED	1	1	2	12	22S	29E	599994	3586761	100		
C 03531 POD5		C	ED	1	1	2	12	22S	29E	599992	3586804	100		
C 03531 POD6		C	ED	1	1	2	12	22S	29E	599974	3586681	100		
C 03531 POD7		C	ED	1	1	2	12	22S	29E	600008	3586695	100		
C 03531 POD8		C	ED	3	3	4	01	22S	29E	600001	3586926	100		
C 03587 POD3		CUB	ED	2	4	1	07	22S	29E	679883	3587184	80	47	33
C 03587 POD4		CUB	ED	2	4	4	14	22S	29E	677583	3584857	79	57	22

Average Depth to Water: **61 feet**

Minimum Depth: **47 feet**

Maximum Depth: **68 feet**

Record Count: 11

PLSS Search:

Township: 22S **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)

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(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
31	C	EXP	0	MOSAIC CARLSBAD POTASH INC.	ED	C 03531 POD1			Shallow	1 1	2	12	22S	29E	600001	3586721

rd Count: 1

POD Search:

POD Number: C 03531 POD1

Sorted by: File Number

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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, C=the file is closed)

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

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
31	C	EXP	0	MOSAIC CARLSBAD POTASH INC.	ED	C 03531 POD2			Shallow	1 1	2	12	22S	29E	600007	3586696

rd Count: 1

POD Search:

POD Number: C 03531 POD2

Sorted by: File Number

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

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

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
31	C	EXP	0	MOSAIC CARLSBAD POTASH INC.	ED	C 03531 POD3			Shallow	1 1	2	12	22S	29E	599995	3586714

rd Count: 1

POD Search:

POD Number: C 03531 POD3

Sorted by: File Number

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

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

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
;87	CUB	MON	0	MOSAIC POTASH CARLSBAD INC	ED	C 03587 POD3			Shallow	2	4 1	07	22S	29E	679883	3587184

ırd Count: 1

POD Search:

POD Number: C 03587 POD3

Usage Filter:

Use: All Usages

Sorted by: File Number

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

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

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
87	CUB	MON	0	MOSAIC POTASH CARLSBAD INC	ED	C 03587 POD4				2 4	4	14	22S	29E	677582	3584857

rd Count: 1

POD Search:

POD Number: C 03587 POD4

Usage Filter:

Use: All Usages

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.)

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(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 02111			ED	2	2	2	33	22S	30E	605505	3580336*	248	155	93
C 02637			ED	1	3	3	24	22S	30E	608950	3582377*	759		
C 02638			ED	4	3	3	35	22S	30E	607558	3578948*	528		
C 02723			ED	2	2	3	15	22S	30E	606282	3584363*	651		
C 02724			ED	4	4	2	29	22S	30E	603860	3581329*	503		
C 02950 EXPL			ED	4	2	4	23	22S	30E	608740	3582576*	845		
C 03015			ED	1	4	3	22	22S	30E	606099	3582353*	1316	262	1054
C 03220 EXPLORE			ED	1	3	4	33	22S	30E	604911	3579127*	224		
C 03561 POD1		CUB	ED	3	2	3	36	22S	30E	609288	3579393	30	0	30
C 03561 POD2		CUB	ED	3	2	3	36	22S	30E	609314	3579424	25	0	25
C 03561 POD3		CUB	ED	3	2	3	36	22S	30E	609393	3579425	25	0	25
C 03561 POD4		CUB	ED	3	2	3	36	22S	30E	609419	3579425	25	0	25
C 03561 POD5		CUB	ED	3	2	3	36	22S	30E	609419	3579425	20	0	20

Average Depth to Water: **59 feet**

Minimum Depth: **0 feet**

Maximum Depth: **262 feet**

Record Count: 13

PLSS Search:

Township: 22S **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

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
11		MIN	47	WESTERN AG-MINERALS CO.	ED	C 02111			Shallow	2 2	2	33	22S	30E	605505	3580336*

rd Count: 1

POD Search:

POD Number: C 02111

Sorted by: File Number

location was derived from PLSS - see Help

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

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

(acre ft per annum)

ile Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y
·15		MON	0	U.S. DEPT OF ENERGY - WIPP	ED	C 03015			Artesian	1	4	3	22	22S	30E	606099	3582353*

ırd Count: 1

POD Search:

POD Number: C 03015

Sorted by: File Number

location was derived from PLSS - see Help

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Appendix IV

LABORATORY ANALYSES

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

CARDINAL Laboratories

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

April 02, 2014

TONY SAVOIE

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: GOLDEN D #4

Enclosed are the results of analyses for samples received by the laboratory on 03/26/14 14:10.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/26/2014	Sampling Date:	03/25/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SP. 1 @ 2' (H400899-01)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2014	ND	2.60	130	2.00	9.41	
Toluene*	<0.050	0.050	04/01/2014	ND	2.46	123	2.00	9.27	
Ethylbenzene*	<0.050	0.050	04/01/2014	ND	2.40	120	2.00	9.28	
Total Xylenes*	<0.150	0.150	04/01/2014	ND	6.84	114	6.00	9.37	
Total BTEX	<0.300	0.300	04/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/28/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/28/2014	ND	208	104	200	4.06	
DRO >C10-C28	<10.0	10.0	03/28/2014	ND	200	99.9	200	3.28	
EXT DRO >C28-C35	<10.0	10.0	03/28/2014	ND					

Surrogate: 1-Chlorooctane *101 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *108 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	03/26/2014	Sampling Date:	03/25/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SP. 3 @ 2' (H400899-02)

BTEX 8021B **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2014	ND	2.60	130	2.00	9.41	
Toluene*	<0.050	0.050	04/02/2014	ND	2.46	123	2.00	9.27	
Ethylbenzene*	<0.050	0.050	04/02/2014	ND	2.40	120	2.00	9.28	
Total Xylenes*	<0.150	0.150	04/02/2014	ND	6.84	114	6.00	9.37	
Total BTEX	<0.300	0.300	04/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL *110 %* *89.4-126*

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	03/28/2014	ND	416	104	400	0.00	

TPH 8015M **mg/kg** **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/28/2014	ND	233	117	200	2.35	
DRO >C10-C28	<10.0	10.0	03/28/2014	ND	221	110	200	2.39	
EXT DRO >C28-C35	<10.0	10.0	03/28/2014	ND					

Surrogate: 1-Chlorooctane *88.7 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *98.4 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SP. 5 @ 4.5' (H400899-03)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2014	ND	2.60	130	2.00	9.41	
Toluene*	<0.050	0.050	04/02/2014	ND	2.46	123	2.00	9.27	
Ethylbenzene*	<0.050	0.050	04/02/2014	ND	2.40	120	2.00	9.28	
Total Xylenes*	<0.150	0.150	04/02/2014	ND	6.84	114	6.00	9.37	
Total BTEX	<0.300	0.300	04/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	03/28/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/28/2014	ND	233	117	200	2.35	
DRO >C10-C28	<10.0	10.0	03/28/2014	ND	221	110	200	2.39	
EXT DRO >C28-C35	<10.0	10.0	03/28/2014	ND					

Surrogate: 1-Chlorooctane *97.7 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *97.2 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SP. 6 @ 4' (H400899-04)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2014	ND	2.60	130	2.00	9.41	
Toluene*	<0.050	0.050	04/02/2014	ND	2.46	123	2.00	9.27	
Ethylbenzene*	<0.050	0.050	04/02/2014	ND	2.40	120	2.00	9.28	
Total Xylenes*	<0.150	0.150	04/02/2014	ND	6.84	114	6.00	9.37	
Total BTEX	<0.300	0.300	04/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/28/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/28/2014	ND	233	117	200	2.35	
DRO >C10-C28	<10.0	10.0	03/28/2014	ND	221	110	200	2.39	
EXT DRO >C28-C35	<10.0	10.0	03/28/2014	ND					

Surrogate: 1-Chlorooctane *86.3 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *93.9 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SP. 7 @ 4' (H400899-05)

BTEX 8021B **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2014	ND	2.60	130	2.00	9.41	
Toluene*	<0.050	0.050	04/02/2014	ND	2.46	123	2.00	9.27	
Ethylbenzene*	<0.050	0.050	04/02/2014	ND	2.40	120	2.00	9.28	
Total Xylenes*	<0.150	0.150	04/02/2014	ND	6.84	114	6.00	9.37	
Total BTEX	<0.300	0.300	04/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *89.4-126*

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	03/28/2014	ND	416	104	400	0.00	

TPH 8015M **mg/kg** **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/28/2014	ND	233	117	200	2.35	
DRO >C10-C28	<10.0	10.0	03/28/2014	ND	221	110	200	2.39	
EXT DRO >C28-C35	<10.0	10.0	03/28/2014	ND					

Surrogate: 1-Chlorooctane *76.9 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *81.6 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SP. 8 @ 4' (H400899-06)

BTEX 8021B **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2014	ND	2.60	130	2.00	9.41	
Toluene*	<0.050	0.050	04/02/2014	ND	2.46	123	2.00	9.27	
Ethylbenzene*	<0.050	0.050	04/02/2014	ND	2.40	120	2.00	9.28	
Total Xylenes*	<0.150	0.150	04/02/2014	ND	6.84	114	6.00	9.37	
Total BTEX	<0.300	0.300	04/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC *110 %* *89.4-126*

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/28/2014	ND	416	104	400	0.00	

TPH 8015M **mg/kg** **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/28/2014	ND	233	117	200	2.35	
DRO >C10-C28	<10.0	10.0	03/28/2014	ND	221	110	200	2.39	
EXT DRO >C28-C35	<10.0	10.0	03/28/2014	ND					

Surrogate: 1-Chlorooctane *78.4 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *84.6 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SP. 9 @ 4' (H400899-07)

BTEX 8021B **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2014	ND	2.60	130	2.00	9.41	
Toluene*	<0.050	0.050	04/02/2014	ND	2.46	123	2.00	9.27	
Ethylbenzene*	<0.050	0.050	04/02/2014	ND	2.40	120	2.00	9.28	
Total Xylenes*	<0.150	0.150	04/02/2014	ND	6.84	114	6.00	9.37	
Total BTEX	<0.300	0.300	04/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *89.4-126*

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	03/28/2014	ND	416	104	400	0.00	

TPH 8015M **mg/kg** **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/28/2014	ND	233	117	200	2.35	
DRO >C10-C28	<10.0	10.0	03/28/2014	ND	221	110	200	2.39	
EXT DRO >C28-C35	<10.0	10.0	03/28/2014	ND					

Surrogate: 1-Chlorooctane *92.0 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *87.3 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BopCO	**BILL TO**
Project Manager: Tony Savoie	P.O. #:
Address:	Company: BopCO
City: State: Zip:	Attn: Tony Savoie
Phone #: Fax #:	Address:
Project #: Project Owner:	City:
Project Name: Spill	State: Zip:
Project Location: Golden D Fed #4	Phone #:
Sampler Name: Michael Alvez	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	CL	TPH	BTEX
H400899																	
1	Sp.1 @ 2'	g	1			X					X		3/25/14	12:07	X	X	X
2	Sp.3 @ 2'	g	1			X					X		3/25/14	1:18	X	X	X
3	Sp.5 @ 4'/2'	g	1			X					X		3/26/14	8:50	X	X	X
4	Sp.6 @ 4'	g	1			X					X		3/26/14	9:15	X	X	X
5	Sp.7 @ 4'	g	1			X					X		3/26/14	10:09	X	X	X
6	Sp.8 @ 4'	g	1			X					X		3/26/14	10:34	X	X	X
7	Sp.9 @ 4'	g	1			X					X		3/26/14	11:00	X	X	X

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Relinquished By:	Date: 3/26/14	Received By: Jodi Henson	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 12		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

REMARKS:
ngbudden@diversifiedfsi.com
Rporo@diversifiedfsi.com
Tjennings@diversifiedfsi.com
malvez@diversifiedfsi.com
TASavoie@basspet.com

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: -2.6°C	Cool: ☐ Yes ☐ No; Intact: ☑ Yes ☐ No	

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

+1 C/I

CARDINAL Laboratories

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

April 13, 2014

TONY SAVOIE

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: GOLDEN D #4

Enclosed are the results of analyses for samples received by the laboratory on 04/09/14 15:41.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/08/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: BS #1 @ 3' (H401079-01)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	04/10/2014	ND	400	100	400	3.92	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/10/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/10/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/10/2014	ND					

Surrogate: 1-Chlorooctane *133 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *127 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/08/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: BS #2 @ 3' (H401079-02)

BTEX 8021B **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

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

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	04/10/2014	ND	400	100	400	3.92	

TPH 8015M **mg/kg** **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/10/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/10/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/10/2014	ND					

Surrogate: 1-Chlorooctane *122 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *110 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/08/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: BS #3 @ 3' (H401079-03)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**768**	16.0	04/10/2014	ND	400	100	400	3.92	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/10/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/10/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/10/2014	ND					

Surrogate: 1-Chlorooctane *131 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *122 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/09/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: BS #4 @ 3' (H401079-04)

BTEX 8021B **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *89.4-126*

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	04/10/2014	ND	400	100	400	3.92	

TPH 8015M **mg/kg** **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/10/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/10/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/10/2014	ND					

Surrogate: 1-Chlorooctane *134 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *119 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

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RUSH !

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Bopco	BILL TO
Project Manager: Tony Sawoie	P.O. #:
Address:	Company: Bopco
City: State: Zip:	Attn: Tony Sawoie
Phone #: Fax #:	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location: Golden D Fed #4 Eddy CO, NM	Phone #:
Sampler Name: Michael Alvarez	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	CL	TPH	BTEX
H401079																	
1	BS #1 @ 3	g	1			X					X		4/8/14	10:00	X	X	X
2	BS #2 @ 3'	g	1			X					X		4/8/14	11:30	X	X	X
3	BS #3 @ 3'	g	1			X					X		4/8/14	12:00	X	X	X
4	BS #4 @ 3'	g	1			X					X		4/9/14	12:15	X	X	X

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Relinquished By:	Date: 4/9/14 Time:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
			Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 4-9-14 Time: 3:41	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4.6°C	Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	E-mail Results To: Ngladden@diversifiedfsi.com Rpons@diversifiedfsi.com Tjennings@diversifiedfsi.com

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

CARDINAL Laboratories

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

April 13, 2014

TONY SAVOIE

Bass Enterprises

522 W. Mermod #709

Carlsbad, NM 88220

RE: GOLDEN D #4

Enclosed are the results of analyses for samples received by the laboratory on 04/09/14 15:40.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/08/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SW 1 @ 1' (H401080-01)

BTEX 8021B — **mg/kg** — **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *89.4-126*

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	04/11/2014	ND	416	104	400	0.00	

TPH 8015M — **mg/kg** — **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/10/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/10/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/10/2014	ND					

Surrogate: 1-Chlorooctane *137 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *124 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/08/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SW 2 @ 1' (H401080-02)

BTEX 8021B **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *89.4-126*

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	04/10/2014	ND	416	104	400	0.00	

TPH 8015M **mg/kg** **Analyzed By: ms** **S-04**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/10/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/10/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/10/2014	ND					

Surrogate: 1-Chlorooctane *146 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *134 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/08/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SW 3 @ 1' (H401080-03)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	04/10/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/11/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/11/2014	ND					

Surrogate: 1-Chlorooctane *123 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *114 %* *63.6-154*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/08/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SW 4 @ 1' (H401080-04)

BTEX 8021B — **mg/kg** — **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *89.4-126*

Chloride, SM4500Cl-B — **mg/kg** — **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	04/10/2014	ND	416	104	400	0.00	

TPH 8015M — **mg/kg** — **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/11/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/11/2014	ND					

Surrogate: 1-Chlorooctane *115 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *104 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/08/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SW 5 @ 1' (H401080-05)

BTEX 8021B **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *89.4-126*

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**512**	16.0	04/10/2014	ND	416	104	400	0.00	

TPH 8015M **mg/kg** **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/11/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/11/2014	ND					

Surrogate: 1-Chlorooctane *111 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *100 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/08/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SW 6 @ 1' (H401080-06)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL *108 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	04/10/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/11/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/11/2014	ND					

Surrogate: 1-Chlorooctane *115 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *103 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/08/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SW 7 @ 1' (H401080-07)

BTEX 8021B — **mg/kg** — **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *89.4-126*

Chloride, SM4500Cl-B — **mg/kg** — **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**672**	16.0	04/10/2014	ND	416	104	400	0.00	

TPH 8015M — **mg/kg** — **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/11/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/11/2014	ND					

Surrogate: 1-Chlorooctane *114 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *103 %* *63.6-154*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/09/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SW 8 @ 1' (H401080-08)

BTEX 8021B — **mg/kg** — **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *89.4-126*

Chloride, SM4500Cl-B — **mg/kg** — **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	04/10/2014	ND	416	104	400	0.00	

TPH 8015M — **mg/kg** — **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/11/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/11/2014	ND					

Surrogate: 1-Chlorooctane *110 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *98.4 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/09/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SW 9 @ 1' (H401080-09)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	04/10/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/11/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/11/2014	ND					

Surrogate: 1-Chlorooctane *115 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *104 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/09/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SW 10 @ 1' (H401080-10)

BTEX 8021B — **mg/kg** — **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *89.4-126*

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	04/10/2014	ND	416	104	400	0.00	

TPH 8015M — **mg/kg** — **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/11/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/11/2014	ND					

Surrogate: 1-Chlorooctane *117 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *109 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/09/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SW 11 @ 1' (H401080-11)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *89.4-126*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	04/10/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/11/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/11/2014	ND					

Surrogate: 1-Chlorooctane *110 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *99.6 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/09/2014	Sampling Date:	04/09/2014
Reported:	04/13/2014	Sampling Type:	Soil
Project Name:	GOLDEN D #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EAST OF CARLSBAD, NM		

Sample ID: SW 12 @ 1' (H401080-12)

BTEX 8021B — **mg/kg** — **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2014	ND	2.58	129	2.00	0.339	
Toluene*	<0.050	0.050	04/10/2014	ND	2.40	120	2.00	0.381	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.27	114	2.00	0.713	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	6.51	108	6.00	1.08	
Total BTEX	<0.300	0.300	04/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *89.4-126*

Chloride, SM4500Cl-B — **mg/kg** — **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/10/2014	ND	416	104	400	0.00	

TPH 8015M — **mg/kg** — **Analyzed By: ms**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/11/2014	ND	192	96.0	200	6.70	
DRO >C10-C28	<10.0	10.0	04/11/2014	ND	202	101	200	10.7	
EXT DRO >C28-C35	<10.0	10.0	04/11/2014	ND					

Surrogate: 1-Chlorooctane *108 %* *65.2-140*

Surrogate: 1-Chlorooctadecane *97.9 %* *63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

RUSH!

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Bopco	**BILL TO**
Project Manager: Tony Savoie	P.O. #:
Address:	Company: Bopco
City: State: Zip:	Attn: Tony Savoie
Phone #: Fax #:	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location: Golden D Fed #4	Phone #:
Sampler Name: Michael Alves	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	CL	TPH	BTEX								
H100080																									
1	SW1 @ 1'	g	1			X					X		4/8/14	10:35	X	X	X								
2	SW2 @ 1'	g	1			X					X		4/8/14	10:45	X	X	X								
3	SW3 @ 1'	g	1			X					X		4/8/14	11:00	X	X	X								
4	SW4 @ 1'	g	1			X					X		4/8/14	11:15	X	X	X								
5	SW5 @ 1'	g	1			X					X		4/8/14	11:45	X	X	X								
6	SW6 @ 1'	g	1			X					X		4/8/14	12:00	X	X	X								
7	SW7 @ 1'	g	1			X					X		4/8/14	12:15	X	X	X								
8	SW8 @ 1'	g	1			X					X		4/9/14	8:30	X	X	X								
9	SW9 @ 1'	g	1			X					X		4/9/14	8:40	X	X	X								
10	SW10 @ 1'	g	1			X					X		4/9/14	8:50	X	X	X								

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Relinquished By:	Date: 4/9/14 Time:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
			Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 4.9.14 Time: 3:40	Received By:	REMARKS:
Delivered By: (Circle One)		Sample Condition: Cool ☑ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: 4.6°C			

E-mail Results To:
Ngladden@diversifiedfsi.com
Rpons@diversifiedfsi.com
Tjennings@diversifiedfsi.com

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

RUSH!

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BopCO	**BILL TO**
Project Manager: Tony Savoie	P.O. #:
Address:	Company: BopCO
City: State: Zip:	Attn: Tony Savoie
Phone #: Fax #:	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location: Golden D Fed #4 Eddy Co NM	Phone #:
Sampler Name: Michael Alus	Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	TIME	CL	TPH	BTEX
H401080																	
11	SW 11@1'	G	1			X					X		4/9/14	8:55	X	X	X
12	SW 12@1'	G	1			X					X		4/9/14	9:15	X	X	X

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Relinquished By:	Date: 4/9/14 Time:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
			Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 4.9.14 Time: 3:40	Received By: A. Yabrough	REMARKS: E-mail Results To: Ngladden@diversifiedfsi.com Rpons@diversifiedfsi.com Tjennings@diversifiedfsi.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4.6°C		Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials) J.Y.

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

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, L.P.	Contact: Tony Savoie
Address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220	Telephone No. 575-887-7329
Facility Name: Golden "D" Federal #4 2RP-2218	Facility Type: Exploration and Production

Surface Owner Federal	Mineral Owner Federal	API No. 30-015-35636

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from	East/West Line	County Eddy
I	17	21S	29E	2310	South	330	East	

Latitude 32.478527 Longitude -103.999193

NATURE OF RELEAS

Type of Release: Produced water/oil	Volume of Release 10 bbls/1bbl	Volume Recovered 1/0
Source of Release: Connection on casing choke	Date and Hour of Occurrence 3/6/14 time unknown	Date and Hour of Discovery: 3/6/14 9:30 A.M.
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom? Brian Wall	Date and Hour: 09/06/2013	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
NA

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Describe Cause of Problem and Remedial Action Taken.*
The casing choke developed a leak. The well was shut in, closed all valves and bled down pressure with a vacuum truck.

Describe Area Affected and Cleanup Action Taken.* The release impacted approximately 4300 sq. ft. of well pad area. Based on conditions observed at the time of the site assessment and review of aerial photos, this spill is nearly directly on top of a previous spill at the well location All of the free standing fluid was recovered. DFSI was retained, and the site remediated in accordance with BLM and NMOCD guidelines.

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

Signature: Tony Savoie	OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie	Approved by Environmental Specialist:	
Title: Waste Management and Remediation Specialist	Approval Date:	Expiration Date:
E-mail Address: tasovie@basspet.com	Conditions of Approval:	Attached ☐
Date: ~~05/15/14~~ 5/30/14 Phone: 432-556-8730		

* Attach Additional Sheets If Necessary