

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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Figure – Site Diagram with Sample Data

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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

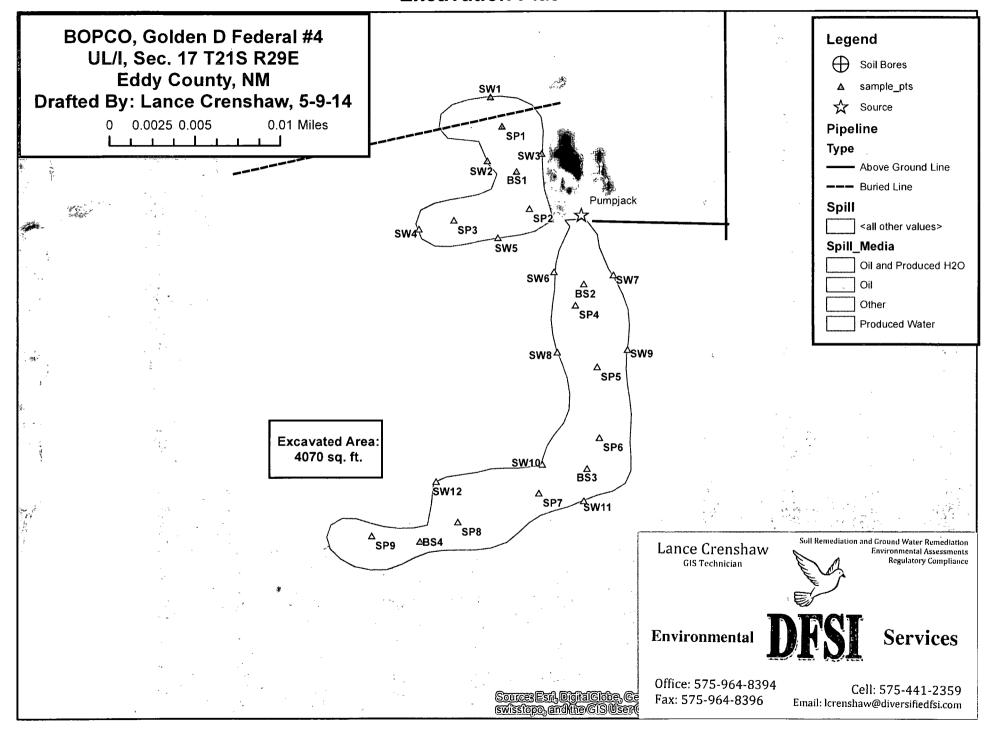
On March 25, 2014 DFSI personnel were on site to initiate work on the Golden D Federal #4 site. There were 9 sample points established in all. Field testing revealed that Chlorides were elevated at all sample points. Field personnel made every attempt to delineate the site at 1ft bgs intervals until 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



Auger Refusal on all samples used BH to delineate, BH refusal SP2 SP8 CHL Surface 34989 Date: 4/8/2014 4/9/2014 4/9/2014 Company Name: BOPCO
Location Name: Golden D Federal #4

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

per BOPCO **Excavate to 1' and backfill**

푱 SW2 1'

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tab Confirmation Sample frield Sampling 医高速器 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 <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240

* Attach Additional Sheets If Necessary

State of New Mexico MAR 17 20 Energy Minerals and Natural Resources

Revised August 8, 201 Submit 1 Copy to appropriate District Office i accordance with 19.15.29 NMAC

Form C-14

District III
1000 Rio Brazos Road, Aztec, NM 87505

MAR 1 7 20 Energy Minerals and Natural Resorbistrict III
1000 Rio Brazos Road, Aztec, NM 87505

MAR 1 7 20 Energy Minerals and Natural Resorbistrict III
1000 Rio Brazos Road, Aztec, NM 87505

Gil Conservation Division
20 South St. Francis Dr.
Santa Fe, NM 87505

Santa Fe, NM 87505

Santa Fe, NM 87505

			Rele	ease Notific	atio	on and Co	orrective A	ction			
						OPERA?	TOR		🛚 Initia	l Report	Final Rep
		OPCO, L.P.				Contact: To					
		nod, Suite 7 n "D" Feder		oad, N.M. 88220			No. 575-887-73 be: Exploration		duchion		
		n D reder	al #4		· · · · · · · ·		be: Exploration	and Pro	auction		
Surface Ow	mer: USA			Mineral O	wner	: USA			API No	. 30-015 - 35	636
				LOCA	TIC	N OF RE	LEASE				
Unit Letter I	Section 17	Township 21S	Range 29E	Feet from the 2310		h/South Line uth	Feet from the 330	East/V East	Vest Line	County: Eddy	
		1		Latitude N 32.4	<u>47852</u>	27 Longitud	e W 103,99919	3			
				NAT	URI	E OF REL	EASE				
		oil and produc				oil and 10	Release: I bbl cr bbls produced wa	ter			bbl produced water
Source of Re	lease: Conn	ection on cas	ing choke				Hour of Occurrent e unknown	ce	Date and 3/6/14 at	Hour of Disc 9·30 a m	overy
Was Immedi	ate Notice C	Biven?				If YES, To			5/0/21 00	7130 aiiiii	
			Yes [No Not Re	quire	d					
By Whom?		1 10				Date and I					
Was a Water	course Reac	ined?	Yes 🗵	∛ No		If YES, Vo	olume Impacting	the Wate	ercourse.		
		em and Reme ped a leak. Th		n Taken.* as shut in, closed a	ll valv	ves and bled do	wn pressure in a	vacuum	truck.		
The release in photos, this is pending removed. The pad area	mpacted app spill is nearly ediation acti will be clea	y directly on to vities. aned in accord	300 sq.ft. top of a pr	of well pad area, be evious spill at the see NMOCD and BI	well k LM re	ocation. All of mediation guid	the free standing	fluid wa	s recovered	l. The spill a	rea was left intact
regulations a public health should their or the enviro	II operators or the enviroperations homent. In a	are required to conment. The ave failed to a	o report at acceptant adequately OCD accep	e is true and complete is true and complete ind/or file certain rece of a C-141 report investigate and received and contained of a C-141 received.	elease rt by t emedia	notifications a the NMOCD mate contaminati	nd perform corre- parked as "Final Rition that pose a the	ctive act teport" of reat to gr	ions for rele loes not reli round water	eases which r ieve the opera r, surface war	may endanger ator of liability ter, human health
			_				OIL CON	SERV	ATION	DIVISIO	<u>N</u>
Signature:	Onp	Sani	م								
Printed Nam	e: Tony Sav	oie				Approved by	Environmental S	pecialis	t:		
Title: Waste	Managemer	nt and Remed	iation Spe	cialist	····	Approval Da	te:		Expiration	Date:	2
E-mail Addr	ess: tasavole	e@basspet.com	m			Conditions o	f Approval:			Attached	
Date: 3/17/1	4]	Phone: 432-556-87	730						

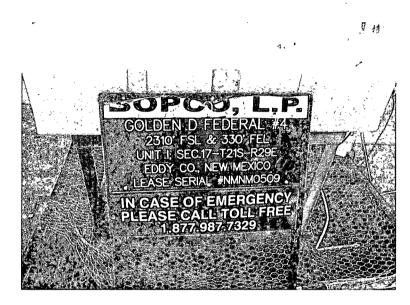
Appendix II

SITE PHOTOGRAPHS

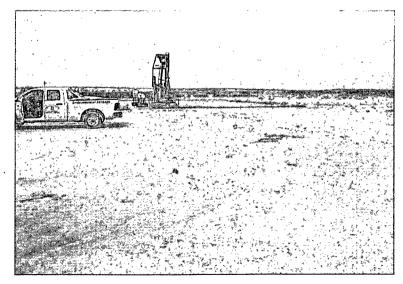
Diversified Field Service, Inc. 3412 N. Dal Paso Hobbs, NM 88240 (575) 964-8394

Bopco Golden D Federal #4

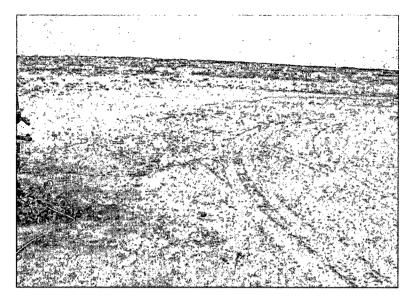
Unit Letter I, Section 17, T21S R29E



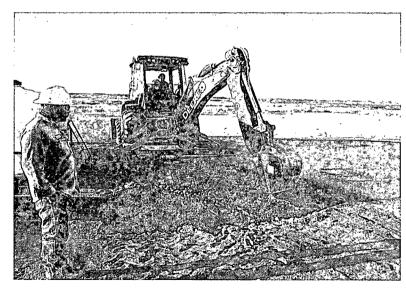
Sign marking location 3/25/14



Sample point markers 3/25/14



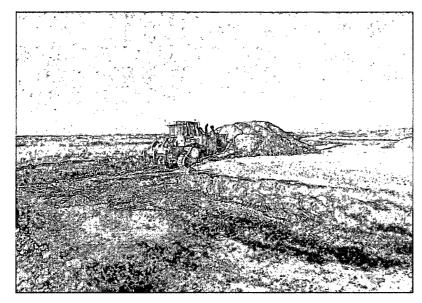
Leak at the casing choke 3/25/14



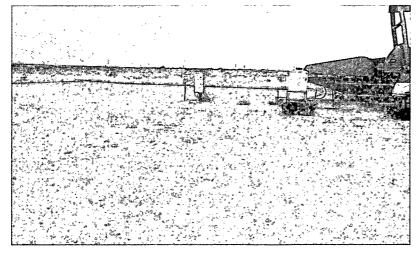
Excavation of impacted pad area 4/8/14

Bopco Golden D Federal #4

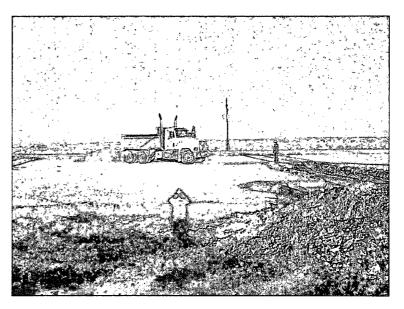
Unit Letter I, Section 17, T21S R29E



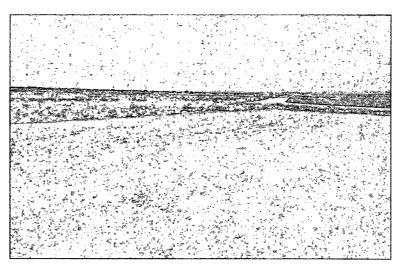
Excavation of impacted pad 4/8/14



Site at completion 5/13/14



Hauling off impacted soil 4/8/14



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:	l Sec:	17T:	21S R:	29E
Groundwa	ter Depth:	~112	ft. average	ed
o = NM Office of the ■ = U.S. Geological S ⇔ = Site Location	e State Engineer Survey (unknown well		V trend map - 12 to 262	ft bgs Date: 03/21/2014 By: Rebecca Pons
	ŀ	von		
	•	o ^{49' May} o ^{49' May} o49' W Ballard 20S 29E	40' Yates O 20S 30E O 150' Amaco	
35' D 29' BR	Walker 22' W ggs O 33' Ballard	o 52' W Ballard O 90' Yates 158' Ba 170'Mcvay	195' Pennzoil O 0 187' N	RM
	080' Ballard 040' Ballard 09' Ballard 020 50'Jablonski 035' Brown 21S 28E	225'Pan 210' N 5' Perry 21S 29E	o 21S 30E	
		200' Carter O	Exploratory O	
		47' Mosaic 68' Mosaic 57' O		
	22S 28E	22S 29E	22S 30E	Þ
42' Brantley	12' Lopez O 32' Faulk O 30' Faulk		O 155' Westrer	Ag.
	33 Taulk			
		l		1



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

C=the file is closed)

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

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

q q q

Source 6416 4 Sec Tws Rng

Х

Shallow 1 4 1 03 21S 29E

596221

Sub

PRO

basin Use Diversion Owner

(acre ft per annum)

0 PAN AMERICAN PETROLEUM

County POD Number ED CP 00430

Code Grant

COMPANY

rd Count: 1

ile Nbr

1430

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

Sub-

Code basin County 64 16 4 Sec Tws Rng

X 3593203* Depth Depth Water Well Water Column

C 02722

POD Number

1 2 1 21 21S 30E

604435

592

3589207* 607695

410

C 03234 EXPLORE

ED 1 2 3 35 21S 30E

Average Depth to Water:

Minimum Depth:

Maximum Depth:

Record Count: 2

PLSS Search:

Township: 21S

Range: 30E



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)

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

qqq

Source 6416 4 Sec Tws Rng

Х

Sub ile Nbr

basin Use Diversion Owner MON

(acre ft per annum)

0 U.S. DEPT. OF ENERGY, WIPP

County POD Number

ED C 02722

Code Grant

C=the file is closed)

1 2 1 21 21S 30E

rd Count: 1

22

POD Search:

POD Number: C 02722

Sorted by: File Number

location was derived from PLSS - see Help



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)

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

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C=the file is closed)

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607695

rd Count: 1

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POD Search:

POD Number: C 03234 EXPLORE

Sorted by: File Number

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Page 1 of 1 /14 3:56 PM



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)

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C 00035			ED					228	_	583127	3578762* 🍪	146		
C 00036			ED	3	3	2	32	228	28E	583916	3579583* 🍪	106		
C 00052	0		ED	3	4	4	30	22S	28E	582707	3580371* 🍪	208	12	196
C 00212		С	ED	3	3	3	32	22S	28E	583127	3578762* 🍪	146	30	116
C 00212 CLW193874	0		ED	3	3	3	32	22S	28E	583127	3578762* 🚱			
C 00213		С	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		С	ED	2	2	3	32	22S	28E	583723	3579372* 🧽	80	39	41
C 00642		С	ED				19	22S	28E	582220	3582687* 🔑	200		
C 01508		С	ED	1	1	4	18	22S	28E	582206	3584195*	180		
C 02840			ED	2	3	1	31	22S	28E	581721	3579758* 🍪	220		
C 03040		С	ED	4	3	1	31	228	28E	582254	3579191 🍪	72	42	30
C 03094		С	ED	4	3	1	32	22S	28E	583317	3579567* 🍪	138	53	85
C 03184		С	ED	2	3	3	32	22S	28E	583327	3578962* 🊱	157	30	127
C 03533 POD1		С	ED	3	4	4	03	22S	28E	587377	3586934 🧽	55		
C 03533 POD2		С	ED	3	4	4	03	22S	28E	587358	3586935 🥋	55		
C 03533 POD3		С	ED	3	4	4	03	228	28E	587370	3586911 🤪	55		
C 03533 POD4		С	ED	4	3	4	03	22S	28E	587331	3586892 🚱	55		
C 03534 POD1		С	ED	4	3	4	03	228	28E	587240	3586950 🍣	150		

Average Depth to Water: 3

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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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)

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

County POD Number

Code Grant

C=the file is closed)

qqq Source 6416 4 Sec Tws Rna

ile Nbr 52

basin Use Diversion Owner IRR

Sub

0 CRUZ R. LOPEZ

ED C 00052 POD2

3 4 4 30 22S 28E

rd Count: 1

POD Search:

POD Number: C 00052

Sorted by: File Number

I location was derived from PLSS - see Help

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Active & Inactive Points of Diversion

(with Ownership Information)

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C=the file is closed)

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

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

(acre	п	per	annum)	

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	Sub								qqq	1			
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<u>13</u>		IRR	0	HAROLD FAULK	ED	<u>C 00212</u>		Shallow	3 3 3	32	228 28	3E 583127	3578762*
<u>31</u>	С	PRO	0	NADEL & GUSSMAN OIL	ED	C 00212		Shallow	3 3 3	32	228 28	BE 583127	3578762*
91	С	PRO	0	NADEL & GUSSMAN	ED	C 00212		Shallow	3 3 3	32	228 28	BE 583127	3578762*
	12 13 31	ile Nbr basin 12 C 13 C	ile Nbr basin Use D 12 C IRR 13 IRR 31 C PRO	ile Nbr basin Use Diversion 12 C IRR 794.46 13 IRR 0 31 C PRO 0	ile Nbr basin Use Diversion Owner 12 C IRR 794.46 HAROLD FAULK 13 IRR 0 HAROLD FAULK 31 C PRO 0 NADEL & GUSSMAN OIL	ile Nbr basin Use Diversion Owner Count 12 C IRR 794.46 HAROLD FAULK ED 13 IRR 0 HAROLD FAULK ED 31 C PRO 0 NADEL & GUSSMAN OIL ED	ile Nbr basin Use Diversion Owner County POD Number 12 C IRR 794.46 HAROLD FAULK ED C 00212 13 IRR 0 HAROLD FAULK ED C 00212 31 C PRO 0 NADEL & GUSSMAN OIL ED C 00212	ile Nbr basin Use Diversion Owner County POD Number Code Grant 12 C IRR 794.46 HAROLD FAULK ED C 00212 13 IRR 0 HAROLD FAULK ED C 00212 31 C PRO 0 NADEL & GUSSMAN OIL ED C 00212	Sub ile Nbr basin Use Diversion Owner County POD Number Code Grant Source 12 C IRR 794.46 HAROLD FAULK ED C 00212 Shallow 13 IRR 0 HAROLD FAULK ED C 00212 Shallow 31 C PRO 0 NADEL & GUSSMAN OIL ED C 00212 Shallow	Sub q q d ile Nbr basin Use Diversion Owner County POD Number Code Grant Source 6416 4 A 12 C IRR 794.46 HAROLD FAULK ED C 00212 Shallow 3 3 3 13 IRR 0 HAROLD FAULK ED C 00212 Shallow 3 3 3 31 C PRO 0 NADEL & GUSSMAN OIL ED C 00212 Shallow 3 3 3	Sub q q q q ile Nbr basin Use Diversion Owner County POD Number Code Grant Source 6416 4 Sec 12 C IRR 794.46 HAROLD FAULK ED C 00212 Shallow 3 3 3 3 32 31 C PRO 0 NADEL & GUSSMAN OIL ED C 00212 Shallow 3 3 3 3 32	Sub q q q q q q Tws Right Red POD Number Code Grant Source 6416 4 Sec Tws Right Red Pod Number Code Grant Source 6416 4 Sec Tws Right Red Pod Number 12 C D C 00212 C 00212 Shallow 3 3 3 3 3 2 22S 28 28 </td <td>ile Nbr basin Use Diversion Owner County POD Number Code Grant Source 6416 4 Sec Tws Rng X 12 C IRR 794.46 HAROLD FAULK ED C 00212 Shallow 3 3 3 3 32 22S 28E 583127 31 C PRO 0 NADEL & GUSSMAN OIL ED C 00212 Shallow 3 3 3 3 32 22S 28E 583127</td>	ile Nbr basin Use Diversion Owner County POD Number Code Grant Source 6416 4 Sec Tws Rng X 12 C IRR 794.46 HAROLD FAULK ED C 00212 Shallow 3 3 3 3 32 22S 28E 583127 31 C PRO 0 NADEL & GUSSMAN OIL ED C 00212 Shallow 3 3 3 3 32 22S 28E 583127

rd Count: 4

POD Search:

POD Number: C 00212

Sorted by: File Number

I 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

(with Ownership Information)

(acre ft per annum)

0 HAROLD FAULK

(R=POD has been replaced

Code Grant

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

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

C=the file is closed)

qqq

X

Source 6416 4 Sec Tws Rng

Υ

Shallow 1 4 1 32 22S 28E

583517 3579775*

Shallow 1 4 1 32 22S 28E

Sub

basin Use Diversion Owner

IRR

794.46 HAROLD FAULK

County POD Number

C 00213

C 00213

rd Count: 2

ile Nbr

:12

:13

POD Search:

POD Number: C 00213

Sorted by: File Number

location was derived from PLSS - see Help



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

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

C=the file is closed)

qqq

Source 6416 4 Sec Tws Rng

X

Sub ile Nbr

basin Use Diversion Owner

3 HAROLD FAULK

(acre ft per annum)

County POD Number ED C 00236

Code Grant

Shallow 2 2 3 32 22S 28E

3579372* 583723

rd Count: 1

POD Search:

POD Number: C 00236

Sorted by: File Number

location was derived from PLSS - see Help



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

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

	(acre ft po	er annum)		C=the file is closed)	(quarters are smallest to largest) (NAD83 UTM in meters)
	Sub				ववव	
ile Nbr	basin Use Divers	sion Owner	County POD Number	Code Grant	Source 6416 4 Sec Tws Rng	X Y
140	C DOL	3 BRANTLEY FARMS	ED <u>C 03040</u>		Shallow 4 3 1 31 22S 28E	582253 3579191
<u>01</u>	C PRO	0 MEWBOURNE OIL COMPANY	ED <u>C 03040</u>		Shallow 4 3 1 31 22S 28E	582253 3579191
<u>55</u>	C PRO	0 PATTERSON DRILLING	ED <u>C 03040</u>		Shallow 4 3 1 31 22S 28E	582253 3579191
:78	C PRO	0 NADEL & GUSSMAN	ED <u>C 03040</u>		Shallow 4 3 1 31 22S 28E	582253 3579191
<u>:34</u>	C PRO	0 MEWBOURNE OIL	ED <u>C 03040</u>		Shallow 4 3 1 31 22S 28E	582253 3579191

ard Count: 5

POD Search:

POD Number: C 03040

Sorted by: File Number

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'14 2:09 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

C=the file is closed)

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

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

qqq

Source 6416 4 Sec Tws Rng

Х

583317 3579567*

Sub DOL

basin Use Diversion Owner

3 HAROLD FAULK

(acre ft per annum)

County POD Number ED C 03094

Code Grant

Shallow 4 3 1 32 22S 28E

Υ

rd Count: 1

ile Nbr

POD Search:

POD Number: C 03094

Sorted by: File Number

location was derived from PLSS - see Help



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)

qqq

Source 6416 4 Sec Tws Rng

Х

Sub

basin Use Diversion Owner

DOL

(acre ft per annum)

3 DAVID FAULK

County POD Number ED C 03184

Code Grant

Shallow 2 3 3 32 22S 28E

583327

rd Count: 1

ile Nbr

POD Search:

POD Number: C 03184

Sorted by: File Number

location was derived from PLSS - see Help



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

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

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

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

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

(In feet)

	POD		_										
POD Number C 02743	Sub- Code basin	County ED			4		Tws 22S	_	X 596989	Y 3579473⁺ ♠	•	-	Water Column
C 03531 POD1	С	ED	1				228		600001	3586721	100	68	32
C 03531 POD2	С	ED	1	1	2	12	228	29E	600008	3586696 🍪	110	68	42
C 03531 POD3	С	ED	1	1	2	12	22S	29E	599995	3586714 🍪	105	68	37
C 03531 POD4	С	ED	1	1	2	12	22S	29E	599994	3586761 🍪	100		
C 03531 POD5	С	ED	1	1	2	12	22S	29E	599992	3586804 🍪	100		
C 03531 POD6	С	ED	1	1	2	12	22S	29E	599974	3586681 🍪	100		
C 03531 POD7	С	ED	1	1	2	12	22S	29E	600008	3586695 🊱	100		
C 03531 POD8	С	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: 6

61 feet

Minimum Depth:

47 feet

Maximum Depth:

68 feet

Record Count: 11

PLSS Search:

Township: 22S

Range: 29E



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)

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

Sub

County POD Number

Code Grant

C=the file is closed)

999

Source 6416 4 Sec Tws Rng

Х

600001

ile Nbr

basin Use Diversion Owner

0 MOSAIC CARLSBAD POTASH INC.

ED C 03531 POD1

Shallow 1 1 2 12 22S 29E

3586721

rd Count: 1

POD Search:

POD Number: C 03531 POD1

Sorted by: File Number

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/14 2:31 PM Page 1 of 1 **ACTIVE & INACTIVE POINTS OF DIVERSION**



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)

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

qqq

Source 6416 4 Sec Tws Rng

Х

Sub ile Nbr

EXP

basin Use Diversion Owner

(acre ft per annum)

0 MOSAIC CARLSBAD POTASH INC.

County POD Number ED C 03531 POD2 **Code Grant**

C=the file is closed)

Shallow 1 1 2 12 22S 29E

600007

rd Count: 1

POD Search:

POD Number: C 03531 POD2

Sorted by: File Number



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

C=the file is closed)

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

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

qqq

Source 6416 4 Sec Tws Rng

X

ile Nbr

Sub

basin Use Diversion Owner

(acre ft per annum)

0 MOSAIC CARLSBAD POTASH INC.

County POD Number ED C 03531 POD3 **Code Grant**

Shallow 1 1 2 12 22S 29E

599995

ard Count: 1

POD Search:

POD Number: C 03531 POD3

Sorted by: File Number

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Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



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)

qqq

Source 6416 4 Sec Tws Rng

X

679883

ile Nbr

i87

basin Use Diversion Owner

(acre ft per annum)

0 MOSAIC POTASH CARLSBAD INC

County POD Number ED C 03587 POD3 **Code Grant**

Shallow 2 4 1 07 22S 29E

ord Count: 1

POD Search:

POD Number: C 03587 POD3

Sub

CUB MON

Usage Filter:

Use: All Usages

Sorted by: File Number

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Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

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

C=the file is closed)

Code Grant

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

qqq

Source 6416 4 Sec Tws Rng 2 4 4 14 22S 29E

677582

Х

ile Nbr

87

Sub

basin Use Diversion Owner CUB MON

(acre ft per annum)

County POD Number 0 MOSAIC POTASH CARLSBAD INC

C 03587 POD4

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

C=the file is closed)

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

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

(in feet)

	POD Sub-		O	Q C)					Depth	Depth	Water
POD Number	Code basin	County			-	Tws	Rng	Х	Υ	•	•	Column
C 02111		ED	2	2 2	33	22S	30E	605505	3580336* 🍪	248	155	93
C 02637		ED	1	3 3	24	22\$	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	228	30E	603860	3581329*	503		
C 02950 EXPL		ED	4	2 4	23	228	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	228	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	228	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



Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)

47 WESTERN AG-MINERALS CO.

(R=POD has been replaced

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

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

C=the file is closed)

qqq

Source 6416 4 Sec Tws Rng

Sub

MIN

basin Use Diversion Owner

County POD Number ED C 02111

Code Grant

Shallow 2 2 2 33 22S 30E

605505

rd Count: 1

ile Nbr

POD Search:

POD Number: C 02111

Sorted by: File Number

location was derived from PLSS - see Help

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ACTIVE & INACTIVE POINTS OF DIVERSION



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

C=the file is closed)

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

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

qqq

Source 6416 4 Sec Tws Rng

Х

Sub

MON

basin Use Diversion Owner

(acre ft per annum)

0 U.S. DEPT OF ENERGY - WIPP

County POD Number ED C 03015

Code Grant

Artesian 1 4 3 22 22S 30E

606099

rd Count: 1

ile Nbr

15

POD Search:

POD Number: C 03015

Sorted by: File Number

location was derived from PLSS - see Help

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Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION

Appendix IV

LABORATORY ANALYSES

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



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.

Celes & Keens

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 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	Analyze	d By: MS			<u> </u>		
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 (PIL	111 %	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP			·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/28/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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 5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	108 9	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keene



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: Sample Received By:

Cool & Intact Jodi Henson

Project Number: Project Location: NONE GIVEN

EAST OF CARLSBAD, NM

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS			·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 89.4-12	6					_	
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 65.2-14	0				***		
Surrogate: 1-Chlorooctadecane	98.4	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keine



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

Fax To:

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	Analyze	d By: MS				<u></u>	
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	109	% 89.4-12	6						
Chloride, SM4500CI-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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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	% 65.2-14	0			· · ·			
Surrogate: 1-Chlorooctadecane	97.2	% 63.6-15	4						

Cardinal Laboratories

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Celey D. Keine

*=Accredited Analyte



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

Received: Reported:

03/26/2014

04/02/2014

GOLDEN D #4

Project Number: Project Location:

Project Name:

NONE GIVEN

EAST OF CARLSBAD, NM

Sampling Date:

03/26/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	89.4-12	?6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/28/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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	% 65.2-1-	10						
Surrogate: 1-Chlorooctadecane	93.9	% 63.6-15	54						

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Kune



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	Analyze	d 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 %	6 89.4-12	6						···
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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	81.6	% 63.6-15	4						

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Celeg & Keine



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: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

NONE GIVEN

EAST OF CARLSBAD, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS		_			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	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 (PIE	110 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/28/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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	78.45	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	84.6	% 63.6-15	4						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received: Reported: 03/26/2014

04/02/2014

Project Name: Project Number: GOLDEN D #4 NONE GIVEN

Project Location:

EAST OF CARLSBAD, NM

Sampling Date:

03/26/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	111 %	6 89.4-12	6						
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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.3 9	% 63.6-15	4						

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Celey D. Keine

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 & Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(5/5) 393-2326 FAX (5/5) 393-24/	6														
Company Name	Bosco			BIL	LL TO	: : : : :				ANA	LYSIS	REQ	UEST			
Project Manage	: Bopco : Tony Sovoie		F	P.O. #:												
Addresa:	<u> </u>			Company: P	Souoie					İ				1 1		1
City:	State:	Zip:		Attn: Tony	<u>Sauoie</u>							:				
Phone #:	Fax #:			Address:					ļ							
Project #:	Project Owner	r:		City:												
Project Name:	<u>se \\</u>			State:	Zip:											
	1: Golden O Fed #4		E	Phone #:										1 1		ľ
	Michael Alus		F	ax #:										1 1	1	
FOR LAB USE ONLY		MAT	RIX	PRESERV.	SAMPLING											
Lab I.D. <u>H400</u> 899	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	DATE	TIME	CL		夏							
ľ	5p.1@ 21	81 4	_ _		3/25/14 17	2:07	X	Χ	X							
2	5,36 2	8 1 ×		_	3/25/14/	1:18	<u>×</u>	<u>~</u>	حـــــــــــــــــــــــــــــــــــــ							
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ঙ	A.70 Y	3 1 ×			3/24/14/11	0.09	×	*	<i>~</i>							
<u></u>	9. 160 41 5p. 860 41	8112			3/26/14 1	0.34	×	×	$\succeq oldsymbol{oldsymbol{oldsymbol{eta}}}$							
7_	Sp.9@41	8 1 ×	- -		3/26/14/11	.00	×	×	~_							
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	nd Damages. Cardinars liability and client's evolusive remedy for a								L	i				11		
analyses. All claims includi-	ng those for negligence and any other cause whatsoever shall be	deemed waived unless made in	writing and re	ecerved by Cardinal v	within 30 days after con	mpletion of th	re applicat	ole:								

service. In no event shall Cardinal be liable for incidental or consequental 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:	Date: Received By:	Phone Result: Yes No Add'l Phone #:	
Mical	THE TO MADE THE MADE	Fax Result:	
Relinquished By:	Date: Received By:	ngladon @diversitiveds.com TASavoico bassa	i .m
Remiduished by.	Date: Natelved by.	175	<u> </u>
 	Time:	Rporoodivershieldsi.com	
Delivered By: (Circle One)	Sample Condition CHECKED BY:	Tjennings Odivorstielisticon	
Sampler - UPS - Bus - Other:	-2,62 Cool Intact -2,62 Cool Intact Wes Tes No No	malves odivershidisi.com	

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



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/ga/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.

Celeg & Keens

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



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

Fax To:

Sampling Date:

04/08/2014

Received: Reported: 04/09/2014 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	Analyze	d 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 (PIE	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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 9	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	127	% 63.6-15	4						

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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	Analyze	d 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 9	% 89.4-12	6						
Chloride, SM4500CI-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	Analyze	d By: ms	,				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	110 9	% 63.6-15	4						

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

Received:

RTFY 80218

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)

BIEX 8UZIB	mg/	r Kg	Anaiyze	а ву: мъ					
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 (PIC	107	% 89.4-120	5						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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	% 63.6-15	4						

Analyzed Ry: MS

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Kune



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 NONE GIVEN Sampling Condition:

Cool & Intact

Project Number: Project Location:

EAST OF CARLSBAD, NM

Sample Received By:

Jodi Henson

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed 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	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	119	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kune



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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 /575) 303-2326 FAY /575) 303-2476

Company Name	: Basco			······································			BI	LL TO	Harriel	-				ANA	LYSI	S RE	QUE	ST			
Project Manage	Tony Savoie					P.(O. #:					1									
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City:	State:	Zip	:			At	tn: Tory	t zmoj zdece	و						ļ						
Phone #:	Fax #:						ldress:	3							1						
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Project Name:						Sta	ate:	Zip:						1							
Project Location	1: Golden O Fed # Y	E	ddy	10, Ni	1	Ph	one #:			Ì					}						
Sampler Name:	Michael Alux		(x #:]	}										
FOR LAB USE ONLY			-	MATR	IX	-	PRESERV	SAMPL	NG		l	1			1		ļ				
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attiliates or successors arising out of or related to the perio		rdiess of whether such claim is based	d upon any of the above stated re	sons of otherwise.		
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11117	4/4/14	•		Fax Result:	□ No Add'l Fax #:	
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Delivered By: (Circle One)		Sample Condition	CHECKED BY:	Rpons@divers	iliedisi.com	
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Sampler - UPS - Bus - Other:	410	Yes Yes	431	Tiennings@dr	versifiedfsi.com	
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¹ Cordinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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/ga/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.

Celeg & Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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: Project Location: NONE GIVEN

Sample Received By:

Jodi Henson

EAST OF CARLSBAD, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	124 %	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keine



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

Received:

04/09/2014

04/13/2014

Sampling Date:

04/08/2014 Soil

Reported: Project Name:

GOLDEN D #4

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Number:
Project Location:

EAST OF CARLSBAD, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 89.4-12	6					•	
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	134 9	% 63.6-15	4						

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*=Accredited Analyte

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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	Analyze	d 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 (PIC	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	114 %	63.6-15	4						

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*=Accredited Analyte

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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	Analyze	d 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	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	04/10/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	104	% 63.6-15	4						

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Celey & Keine



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

Received:

04/09/2014

Reported:

04/13/2014 GOLDEN D #4

Project Name: Project Number:

NONE GIVEN

Project Location:

EAST OF CARLSBAD, NM

Sampling Date:

04/08/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte _	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	04/10/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: ms			·-·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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 %	65.2-14	0	- , ,- <u>,-</u> ,-					
Surrogate: 1-Chlorooctadecane	100 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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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	Analyze	d 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 (PIE	108 9	% 89.4-12	6				<u> </u>		
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	ed 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 %	% 65.2-14	0		~				
Surrogate: 1-Chlorooctadecane	103 9	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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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: Project Location:

NONE GIVEN

Sample Received By:

Jodi Henson

EAST OF CARLSBAD, NM

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

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	04/10/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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%	65.2-14	0	7-44					
Surrogate: 1-Chlorooctadecane	103 %	63.6-15	4						

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*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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 GOLDEN D #4 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	Analyze	d 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 (PIC	108 9	89.4-12	6			-			
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/10/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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 %	65.2-14	0	, <u>.</u>					
Surrogate: 1-Chlorooctadecane	98.4 9	63.6-15	4						

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*=Accredited Analyte

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Celeg to Keene



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	Analyze	d 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 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/10/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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 %	65.2-14	0		_				
Surrogate: 1-Chlorooctadecane	104 9	63.6-15	4						

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*=Accredited Analyte

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

Received: Reported:

04/09/2014

04/

04/13/2014 GOLDEN D #4

Project Name: Project Number:

NONE GIVEN

Project Location:

EAST OF CARLSBAD, NM

Sampling Date:

04/09/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

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

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP				. <u></u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/10/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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 9	% 65.2-14	0		-				
Surrogate: 1-Chlorooctadecane	109 9	% 63.6-15	4						

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Celeg D. Keene



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	Analyze	d 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 5	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/10/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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 9	% 65.2-14	0			•			<u>.</u> .
Surrogate: 1-Chlorooctadecane	99.6	% 63.6-15	4						

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*=Accredited Analyte

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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: Sample Received By: Cool & Intact lodi Henson

Project Number: Project Location:

NONE GIVEN

EAST OF CARLSBAD, NM

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

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 (PIE 109 % 89		% 89.4-12	26		٠				
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP			<u>.</u>		
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	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	97.9	% 63.6-15	4						

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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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Company Name:

BILL TO

P.O. #:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

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

Project Manage	": Tony Savoic				Ρ.	O. #:													
Address:	0	Company: Bopco					0290		ł					ŀ			. ,		ŀ
City:					- 1	tn: Tong	٠	oic										i 1	ŀ
Phone #:	Fax #:					ddress:	·											, 1	1
Project #:	Project Owne	r:			Ci	ty:												, [
Project Name:					St	State: Zip:													
Project Location: Golden O Fed #4				Ph	none #:			1							ļ			1	
Sampler Name:	Michael Alux				Fa	x #:													İ
FOR LAB USE ONLY				MATRIX		PRESERV.	SAMI	PLING	.]									, 1	j
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	OTHER:	ACID/BASE: ICE / COOL OTHER:	DATI	E TIME	CL	なま	OFEX								
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5_	SW 5 @ 1	8	-		-		4/8/14		1	1						 			
	SW 6 @ 1'	-87	-		+-	X		1 12:00	<u>\</u>	-						 		_[]	
8	5W7@1'	के	ì		+		4/8/1			土	7					 			
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10	Sw 10 m 1	0	1		1-	×	4 914	18:50	~	1 W						 			
	is Damages, Cardinal's bability and cherd's exclusive remedy for ing those for negligence and any other cause whatsoever shall be							paid by the chent to	r the the applica	ble								المرواسيون	
	ardinal be tiable for incidental or consequental damages, including out of or related to the performance of services hereunder by 0																		
Relinquished B	Date://1/24	Re	ceiv	red By:				Phone Re Fax Resu REMARK	lt:	☐ Ye			Add'l F	Phone : Fax #:	#:	 			
Relinquished By: Date 1.4.14 Received By:							E-m	ail R	esul	ts To	o :							į	
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Delivered By: (Circle One)					LLO.	29/	FD BY:	Rpoi											ł
	- Bus - Other: 4. 60	_ (Cool Intact	/ es	Alnit	als)	Tjen							1				
+ Cardinal	cannot accept verbal changes. Please	e fax	wri	ttenschangas to	(57	5) 393/232	y												

Elicinating to (2/3) 333/2326/



RUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Bosco		BILL TO	12 2	ANALYSIS RE	QUEST
Project Manager: TONY Savoic		P.O. #:			
Address:		Company: Bopco			
City: State:	Zip:	Attn: Tony Soucie			
Phone #: Fax #:		Address: 0	_		
Project #: Project Owner	r:	City:	_		
Project Name:		State: Zip:			
Project Location: Golden D Feed #4	Eddy conh	Phone #:			
Sampler Name: Michael Alus	<u>'\</u>	Fax #:	_		
Lab I.D. Sample I.D.	48 49 (G)RAB OR (C)OMP. / / # CONTAINERS GROUNDWATER WASTEWATER I SOIL SLUDGE	PRESERY SAMPLING OTHER: ACIDIBASE: AIR AIR AIR AIR AIR AIR AIR AIR AIR AIR	5 X X X		
PLEASE NOTE: Liability and Damages. Cardinal's hability and client's erclusive remedy for a analyses. All claims including those for negligence and any other cause whatsoever shall be					
service. In no event shall Cardinal be hable for incidental or consequental damages, including affiliates or successors arising out of or related to the performance of services hereunder by C	without limitation, business interruptions,	loss of use, or loss of profits incurred by chent, its sub	sidiaries,		
Relinquished By: Date: Date: 19/14	Received By:	Phone Fax Re	Result: 🗆 Yes 🗆 N sult: 🗀 Yes 🗆 N		
Timé:		. REMAF			
Relinquished By: Date: 4 9.1	Received By:		nail Results To		
Time:3:40	1 A. Unic	<i>Y</i> (<i>V()</i>)(() () () ()	ladden@divers		
I Delivered By: (Circle One)	Sample Condit		ons@diversifie		
Sampler - UPS - Bus - Other:	Yes Ye	s 4 1 1 1 1 1 1 1	nnings@divers	ifiedfsi.com	

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

Form C-141

Revised August 8, 2011

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

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

Attached

Name of Company: BOPCO, L.P. Contact: Tony Savoie	Release Notification and Corrective Action															
Address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220 Telephone No. 575-887-7329 Facility Name: Golden "D" Federal #4 ZRP-ZZIS 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 South South South South Saturation Saturat							OPERA	al Report	\boxtimes	Final Re	port					
Facility Name: Golden "D" Federal #4 ZRP- 2218 Facility Type: Exploration and Production Surface Owner Federal Mineral Owner Federal API No. 30-015-35636 LOCATION OF RELEASE Unit Letter Section Township 29E Feet from the 2310 South Line South Line Feet from 330 East/West Line County Eddy 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 Date and Hour of Occurrence 3/6/14 line unknown 9:30 A.M. Was Immediate Notice Given? If YES, To Whom? By Whom? Brian Wall Date and Hour: 09/06/2013 Was a Watercourse Reached? If Yes No Not Required If YES, Volume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully.* NA Describe Cause of Problem and Remedial Action Taken. * The release impacted approximately 4300 sq. ft. of well pad area. Based on conditions observe 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 startluid was recovered DFSI was retained, and the site remediated in accordance with BLM and NolOgo guideline and the public health of the critical from the proper and complete to the best of my knowledge and understand that pursuant to NMOCD rules an regulations all operators are required to report and/or file certain release not frecitorion and porter or disable should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human he or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of insight should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human he 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 offer regulations.							• • • • • • • • • • • • • • • • • • •									
Location of Release: County Eddy	Address: 52	2 W. Men	mod, Suite 7	04 Carlst												
Location of Release: Unit Letter Section 17	Facility Nan	ne: Golder	n "D" Federa	ZRP- 221	8	Facility Typ	e: Exploration	and Pro	duction							
Location of Release: Unit Letter Section 17	Surface Own	ner Fede	ral		Mineral C	wner I	Federal			API No	. 30-015-3	5636				
Unit Letter Section 17							· · · · · · · · · · · · · · · · · · ·	EACE								
Latitude 32.478527 Longitude -103.999193 NATURE OF RELEAS Type of Release: Produced water/oil Source of Release: Connection on easing choke Source of Release: Connection on easing choke Source of Release: Connection on easing choke Date and Hour of Occurrence 3/6/14 time unknown Was Immediate Notice Given? Yes No Not Required By Whom? Brian Wall Was a Watercourse Reached? Yes No Date and Hour: 09/06/2013 If YES, Volume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully.* NA Describe Cause of Problem and Remedial Action Taken.* The easing 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 observe 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 star fluid was recovered. DESI 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 an regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endange public health or the environment. The acceptance of a C-141 report does not relieve the operator of ilabilit should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human he 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.	Unit Latter	Caption	Township				County F	ldv		 -,						
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OIL CONSERVATION DIVISION								OIL CON	ISERV	ATION	DIVISIO	<u>NC</u>				
Signature: Approved by Environmental Specialist:		, (7	<u></u>			Approved by	Environmental S	Specialis	st:						
Title: Waste Management and Remediation Specialist Approval Date: Expiration Date:		•		liation Spe	cialist		Approval Da	te:		Expiration	Date:					

Conditions of Approval:

-05/15/14 5/30/14 Phone: 432-556-8730

E-mail Address: tasovie@basspet.com

^{*} Attach Additional Sheets If Necessary