



1st Release
(Remediated)

SP #4

SP #5

SP #3

SP #6

2nd Release Point

Floor #3

2nd Release

Floor #2b

SP #5

Floor #2c

1' bgs

SP #2

1.5' bgs

1st Release Point

SP #1

SP #3

2' bgs

2' bgs

SP #4

2' bgs

Floor #1a

SP #1

6" bgs

20 10 0 10 20

Distance in Feet

Legend:

- 1st Release Margins
- 2nd Release Margins
- Pipelines
- 1st Release Sample Locations
- Sample Location
- Hand Auger Sample Point

Figure 2
 Site & Sample Location Map
 BOPCO, L.P.
 BEU DI 9 Process Facility
 Eddy County, New Mexico
 NMOCD Ref # 2RP-

Basin Environmental Services

Prep By: JWL	Checked By: BJA
February 20, 2015	Scale 1"=20'

**TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**BOPCO, LP
BEU DI #9 34H FREE WATER KNOCK OUT
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: 2RP-**

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH C ₆ -C ₃₅ (mg/Kg)	4500 CI-B CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₅ (mg/Kg)		
Floor #1a	6"	2/13/2015	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	40.4	11.9	52.3	496
Floor #2b	1'	2/13/2015	Excavated	10.3	103	18.0	181	313	4,930	14,400	2,010	21,340	240
Floor #2c	18"	2/13/2015	In-Situ	<0.050	0.161	<0.050	<0.150	<0.300	11.4	22.1	<10.0	33.5	32.0
SP #1 @ 6"	6"	2/13/2015	In-Situ	<0.050	0.059	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
SP #2 @ 6"	6"	2/13/2015	Excavated	8.62	85.8	26.6	125	246	3440	10500	1540	15,480	576
SP #3 @ 8'	8'	2/13/2015	In-Situ	0.263	1.02	0.135	0.549	1.97	16.1	26.7	<10.0	42.8	416
SP #3 @ 9'	9'	2/13/2015	In-Situ	<0.050	0.231	0.076	0.451	0.758	18.6	194	33.7	246	208
SP #3 @ 11'	11'	2/13/2015	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	10.3	111	17.9	139	128
SP #4 @ 1.5'	1.5'	2/13/2015	In-Situ	<0.050	0.052	0.051	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SP #5 @ 4'	4'	2/13/2015	In-Situ	0.766	6.53	1.59	6.95	15.8	121	515	76.0	712	112
SP #3 @ 12.5'	12.5'	2/16/2015	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	11.0	65.7	<10.0	76.7	112
Floor #2b @ 2'	2'	2/16/2015	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
Floor #3 @ 1'	1'	2/16/2015	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
SP #2 @ 2' bgs	2'	2/24/2015	In-Situ	-	-	-	-	-	603	2,660	370	3,633	112
SP #2 @ 4' bgs	4'	2/24/2015	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #2 @ 6' bgs	6'	2/24/2015	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
NMOCD Criteria				10				50				5,000	1,000

- = Not analyzed.

February 25, 2015

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BEU DI 9 FWKO

Enclosed are the results of analyses for samples received by the laboratory on 02/24/15 13:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 BEN J. ARGUIJO
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	02/24/2015	Sampling Date:	02/24/2015
Reported:	02/25/2015	Sampling Type:	Soil
Project Name:	BEU DI 9 FWKO	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BOPCO		

Sample ID: SP #2 @ 2' BGS (H500520-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/25/2015	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	603	10.0	02/24/2015	ND	205	103	200	0.704	
DRO >C10-C28	2660	10.0	02/24/2015	ND	200	99.9	200	0.351	
EXT DRO >C28-C35	370	10.0	02/24/2015	ND					

Surrogate: 1-Chlorooctane 119 % 47.2-157
 Surrogate: 1-Chlorooctadecane 104 % 52.1-176

Sample ID: SP #2 @ 4' BGS (H500520-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/25/2015	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	02/24/2015	ND	205	103	200	0.704	
DRO >C10-C28	<10.0	10.0	02/24/2015	ND	200	99.9	200	0.351	
EXT DRO >C28-C35	<10.0	10.0	02/24/2015	ND					

Surrogate: 1-Chlorooctane 82.8 % 47.2-157
 Surrogate: 1-Chlorooctadecane 80.6 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 BEN J. ARGUIJO
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

 Received: 02/24/2015
 Reported: 02/25/2015
 Project Name: BEU DI 9 FWKO
 Project Number: NONE GIVEN
 Project Location: BOPCO

 Sampling Date: 02/24/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP #2 @ 6' BGS (H500520-03)
Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/25/2015	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	02/24/2015	ND	205	103	200	0.704	
DRO >C10-C28	<10.0	10.0	02/24/2015	ND	200	99.9	200	0.351	
EXT DRO >C28-C35	<10.0	10.0	02/24/2015	ND					

Surrogate: 1-Chlorooctane 89.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.0 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Basin Environmental Service Technologies, LLC
 Project Manager: Ben J. Argujio
 Address: P.O. Box 301
 City: Lovington State: NM Zip: 88260
 Phone #: (575) 396-2378 Fax #: (575) 396-1429
 Project #: Project Owner: BOPCO, LP
 Project Name: BEU DI 9 FURK
 Project Location: BEU DI 9
 Sampler Name: Todd Walters
 P.O. #: Company: BOPCO, LP
 Attn: Tony Savoie
 Address: 522 W. Mermod
 City: Carlsbad
 State: NM Zip: 88220
 Phone #: (432) 556-8730
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
A500520	1		1									2-24-15	11:00	8015 m	
	2		1									2-24-15	11:10	Hold BTEX	
	3		1									2-24-15	11:20	PLUSIT	
														CI	

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Relinquished By: *[Signature]*
 Date: 2-24-15
 Time: 1:55
 Received By: *[Signature]*
 Date:
 Time:
 Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: 5.82

Sample Condition
 Cool Yes No
 Intact Yes No
 CHECKED BY: *[Signature]*
 Phone Result: Yes No
 Fax Result: Yes No
 Add'l Phone #:
 Add'l Fax #:
 REMARKS:

Please email results to pm@basinenrv.com & Tsavoie@BassPet.com
 † Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476
 HSCU

February 27, 2015

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BEU DI 9 FWKO

Enclosed are the results of analyses for samples received by the laboratory on 02/26/15 16:20.

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Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 BEN J. ARGUIJO
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

 Received: 02/26/2015
 Reported: 02/27/2015
 Project Name: BEU DI 9 FWKO
 Project Number: NONE GIVEN
 Project Location: EDDY, NM

 Sampling Date: 02/26/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: STOCK PILE (H500560-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/27/2015	ND	400	100	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	857	50.0	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	4920	50.0	02/27/2015	ND	186	92.8	200	4.05	
EXT DRO >C28-C35	738	50.0	02/27/2015	ND					

Surrogate: 1-Chlorooctane 114 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Basin Environmental Service Technologies, LLC	P.O. #:
Project Manager: Ben Argujilo	Company: BOPCOLLP
Address: P.O. Box 301	Attn: Tony Saviole
City: Lovington	Address: 522 W. Mermod
Phone #: (575)396-2378	City: Carlsbad
Fax #: (575)396-1429	State: NM
Project #: AFE 26056	Zip: 88220
Project Name: BEU DI 9 FWKO	Phone #: (423)556-8730
Project Location: Eddy, N.M.	Fax #:
Sampler Name: Bill Wooley	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						
H500560	1	C	1			X						2/26/2015	14:45	X	X	
	Stock Pile															

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Relinquished By: Bill Wooley	Date: 2-26-15	Received By: Scotti Peterson	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: [Signature]	Time: 16:00	Received By: [Signature]	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) [Signature]	Date: 2-26-15	CHECKED BY: [Signature]	REMARKS: PUSTH!!	
Sampler - UPS - Bus - Other: [Signature]	Time: 16:20	Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool	Please email results to pm@basinenv.com & Tasavojie@BassPet.com	