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

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

Form C-141

Revised August 8, 2011

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

Release Notification and Corrective Action													
NABIG						OPERA		<u> </u>		al Report		Final Repor	
	 -	OPCO, L.P.	30	0737		Contact: To		20					
				oad, N.M. 88220 attery (Vessel fo			No. 575-887-732 e: Exploration a		duction		-		
#34H)		Idy Offic Di-							·				
Surface Ow	ner: State			Mineral C)wner:	State and Fe	deral		API No. 30-015-42008				
						N OF REI	LEASE			<u>-</u>			
Unit Letter P	Section 21	Township 21S	Range 30E	Feet from the	North	n/South Line	Feet from the	East/\	West Line	County: Eddy			
				Latitude N 32	.45658	5_Longitud	e <u>W 103.87924</u>	<u> </u>					
				NAT	URE	OF RELI	EASE	•	,				
Type of Rele	ase: Crude	oil and produc	ed water				Release: 46 bbls bbls produced wa		ı	Recovered: 2 roduced wat		s crude oil and	
Source of Re	lease: Heate	er-treater				Date and H	four of Occurrence approx. 8:00 p.m.	ce:		Hour of Dis		y: 11/7/14 at	
Was Immedi	ate Notice (Yes [No Not R	eauired	If YES, To							
By Whom?		;				Date and H	lour: 11/8/14 at 2	:51 p.m					
Was a Water	course Read		Yes 🗵] No		If YES, Volume Impacting the Watercourse. NM OIL CONSERVATION							
If a Waterco	urse was Im	pacted, Descr	ibe Fully.	*		<u> </u>				ARTESI			
						,				NOV	182	2014	
Describe Car	ise of Probl	em and Reme	dial Actio	n Tokan *					.	REC	EIV	ED	
				ate. The well was	shut ir	and the gaske	t was replaced. A	All free s	tanding flu	iid was remo	oved w	ith a vacuum	
The spill imp samples were pasture. Soil	pacted appro collected a samples we	at 6" intervals are collected a	60 sq.ft. of to a depth nd field te	ken.* Process containing of 3 ft. to check sted for chloride state to the NMOC	for oil a saturati	and water satur on depth in the	ration. The spill n pasture area. Th	nisted ar	nd area of a	approximate)	y 3,42	5, sq. ft in the	
regulations a public health should their or or the enviro	If operators or the envioperations h nment. In a	are required tronment. The lave failed to	o report an acceptant adequately OCD accep	e is true and comp nd/or file certain r ce of a C-141 repo investigate and r otance of a C-141	elease of the control	notifications ar ne NMOCD m te contaminati	nd perform correct arked as "Final R on that pose a three the operator of	ctive act deport" of eat to go respons	ions for rel loes not rel round wate ibility for c	leases which lieve the ope or, surface was compliance v	may e rator o ater, hi vith an	endanger of liability uman health	
		0	$oldsymbol{arrho}$				OIL CON	SERV	ATION	DIVISIO	<u>N</u>		
Signature:	100	Due	سف			Ammound by	Signe Environmental S	d By	Alika,	Brand	# <u>*</u>		
Printed Name	e: Tony Sav	oie				Approved by	Environmental S	pecians	ι: 		'n		
Title: Waste	Managemer	nt and Remedi	ation Spe	cialist		Approval Dat	e:	4	Expiration	Date: W/	+1		
E-mail Addre	ess: tasavoid	e@basspet.co	n ·			Conditions of	`Approval:	_ ,		. Attached			
	118/1			none: 432-556-873	30	Remediation	Approval: on per O.C.D. EMEDIATION	Rules	& Guide	elines 10			
Attach Addi	tional Shee	ets If Necess	ary			LATER TH	- 1 A I I/	1114	<u> </u>		RP	2615	

FIELD SPILL REPORT

Distribution List: CJ Barry, TA Savoie, RL Gawlik, JR Smitherman, B Biehl, SF Johnson, FD Schoch, G Fletcher, J Fuqua, A Ruth, A Thompson, S Walters, B Blevins, G Goodgame

DATE: November 7, 2014

LOCATION OF SPILL SITE: BEU D

BEU DI 9 #34 (API 30-015-42008) P-21-21S-30E

GPS COORDINATES (Lat & Long): 32.456474 585 -103.879241

ESTIMATED VOLUMES (Oil & Water Separately):

*If BBLs Recovered are not available at time of Initial Report: Send in Followup report when numbers are known

Volume spilled:		BBls Spilled	*BBls Recovered	Net Spilled		BBIs Spilled	*BBls Recovered	Net Spilled
On ground /or earth berm -	Oil:	46	26	20	Water:	18	10	8
Contained in impervious liner -	Oil:			0	Water:			0
Total:	Oil:	46	26	20	Water:	18	10	8

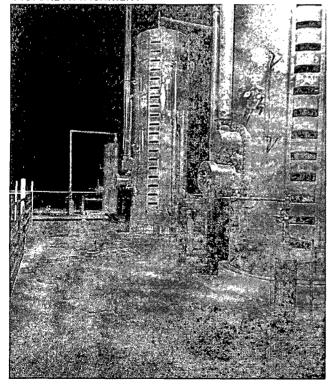
DESCRIPTION (What happened?):

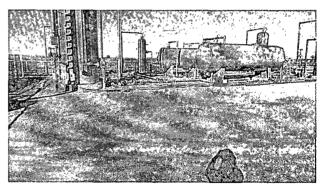
Manway gasket on main production heater failed.

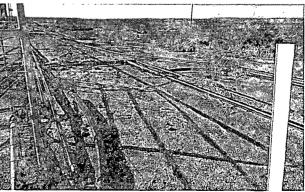
SPILL RESPONSE (How was the spill cleaned up?):

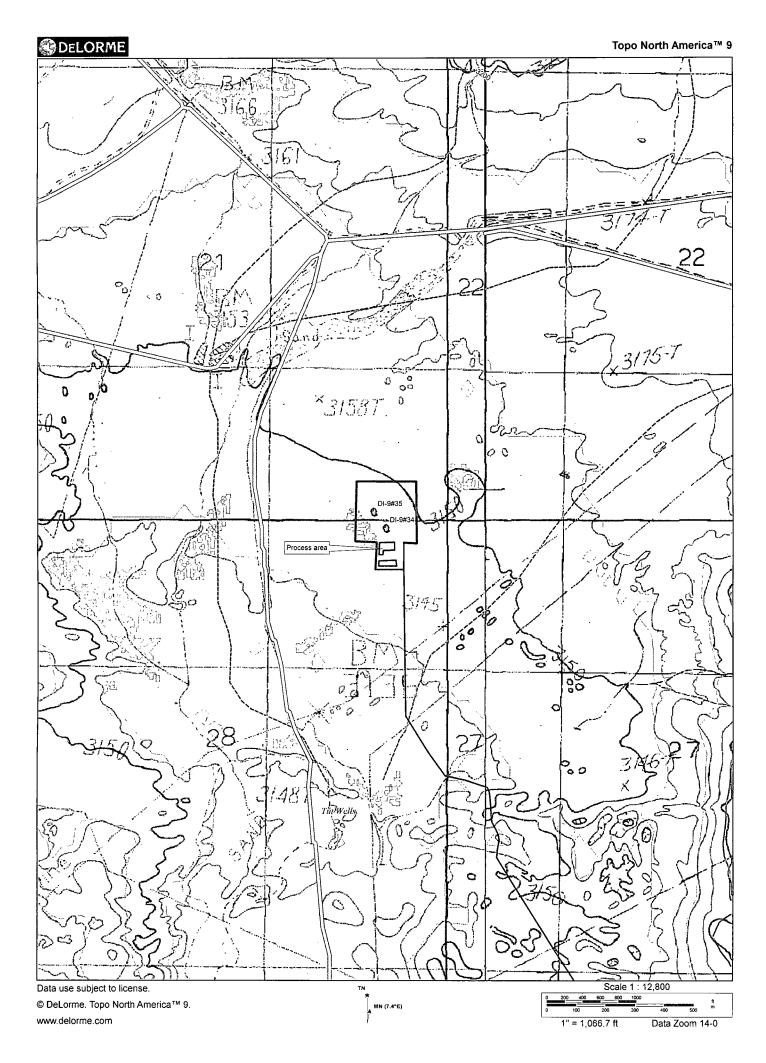
The well monitor noticed release and reported immediately. He also called out vaccum truck. EH&S was notified and immediately filed spill report with the OCD. EH&S followed up on the spill on 11/10/14 to determine the volume released and saturation depth.

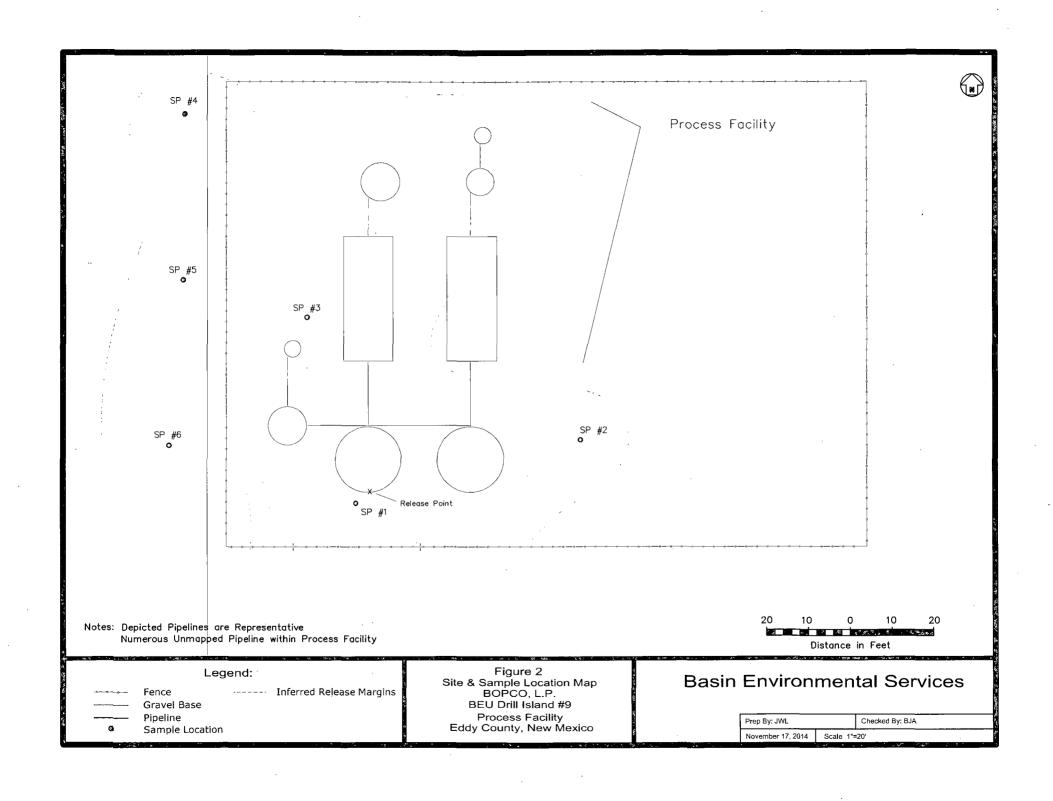
PICTURE ATTACHMENT:











Date:

11/14/2014

		
ID	CL-	PID
SP #4 @ Surface	4,412	Stained
SP #4 @ 1'	336	no odor
SP #4 @ 2'	200	no odor
SP #5 @ Surface		Stained
SP #5 @ 1'		no odor
SP #5 @ 2'	1,552	no odor
SP #5 @ 3'	<120	no odor
SP #6 @ Surface	25,336	Stained
SP #6 @ 1'	420	no odor
SP #6 @ 2'	264	no odor
	·	
	<u>.</u>	
	<u> </u>	
_		

Notes: BEU DI #9 Pasture Investigation

SP #4 32.4567, -103.87949
SP #5 32.45665, -103.87945
SP #6 32.45649, -103.87946
Samples were collected West of the Well Pad within well defined pooling areas characterized by previous shovel marks

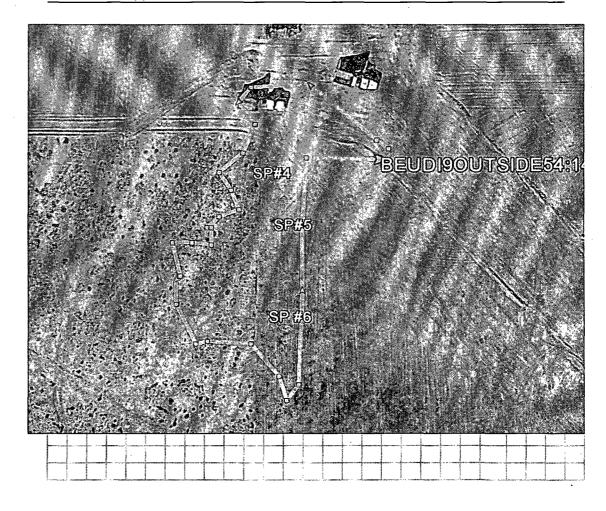


TABLE 1 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP BEU DI #9 - CALICHE WELL PAD PROFILE

EDDY COUNTY, NEW MEXICO

					METHOD: E	PA SW 846	-8021B, 503	0	MET	HOD: 80	15M	TOTAL	4500 CI-B
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	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)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
SP #1 @ Surface	Surface	11/12/2014	In-Situ	-	-	-	-		3,210	16,600	2,500	22,310	992
SP #1 @ 6"	6"	11/12/2014	In-Situ		-	-		-	4,300	13,600	1,990	19,890	3,520
SP #1 @ 9"	9"	11/12/2014	In-Situ	-	-		-		12.7	16.2	<10.0	28.9	416
SP #1 @ 12"	12"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #1 @ 18"	18"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #1 @ 24"	24"	11/12/2014	In-Situ	-	-	-		-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #1 @ 30"	30"	11/12/2014	In-Situ		-	-	,	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #1 @ 36"	36"	11/12/2014	In-Situ	_	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
					A 4 8	(1) Contract (1)		14/07/2017	W 40	(3.70 2.4			
SP #2 @ Surface	Surface	11/12/2014	In-Situ		-	-	-	-	977	21,100	3,510	25,587	3,560
SP #2 @ 6"	6"	11/12/2014	In-Situ		-	-			293	1060	139	1,492	<16.0
SP #2 @ 12"	12"	11/12/2014	In-Situ	-	-	-	•	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #2 @ 18"	18"	11/12/2014	In-Situ		-	-	-		<10.0	<10.0	<10.0	<10.0	<16.0
SP #2 @ 24"	24"	11/12/2014	In-Situ	-		-	-		<10.0	<10.0	<10.0	<10.0	<16.0
SP #2 @ 30"	30"	11/12/2014	In-Situ	-		-	<u>-</u>	-	<10.0	<10.0	<10.0	<10.0	<16.0
	Sec. 2	11/3/3/3/19				1.7		* A			1 200	2000	
SP #3 @ Surface	3'	10/30/2014	In-Situ	-		-	-	-	2,600	29,000	4,310	35,910	1,090
SP #3 @ 12"	3'	10/30/2014	In-Situ		-	-	-	- :_	25.4	311	36.2	373	784
SP #3 @ 18"	3'	10/30/2014	In-Situ		-	-	-		<10.0	44.2	<10.0	44.2	80.0
SP #3 @ 24"	3'	10/30/2014	In-Situ	-		-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #3 @ 30"	3'	10/30/2014	In-Situ				-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #3 @ 36"	5'	10/30/2014	In-Situ	-		-	-		<10.0	<10.0	<10.0	<10.0	<16.0
			3.00	1 1 1								34	M
NMOCD Criteria				10				50				5,000	1,000

- = Not analyzed.

10000 BOPCO, L.P. DEPARTMENT 11.10-14 EHS A. Ruth BELL DI 9 Leak Manway gasket on main production heater failed. 3425 fte pastive 6750 fte pad 66 x 60' x 3' 896.18 26 bbl Oil 55°8°10′ ×33° 9.8° 30′8°00′ ×11° 10-16915°34 recovered 10, 42, 21, 310 PJ us nus vie 1.19 158.71 Scoled area 80' × 15' Overspray \$ 45/ x 45 Runo# 6" ar Some 40'x 5'

Savoie, Tony A.

From:

Savoie, Tony A.

Sent:

Saturday, November 08, 2014 2:51 PM

To:

mike.bratcher@state.nm.us; Heather.Patterson@state.nm.us

Subject:

Spill

I was notified last night about an 8 bbl crude oil spill at the BEU-DI-9, they were supposed to update this morning Just a heads up in case it turns out to be more Tony

Sent from my iPhone

Savoie, Tony A.

From:

Savoie, Tony A.

Sent:

Saturday, November 08, 2014 5:15 PM

To:

Savoie, Tony A.

Cc:

mike.bratcher@state.nm.us; Heather.Patterson@state.nm.us

Subject:

Re: Spill

Just got an update, vac truck recovered 26 bbls oil and 10 bbls pw Will get saturation loss and send a C-141

Sent from my iPhone

On Nov 8, 2014, at 2:51 PM, "Savoie, Tony A." < TASavoie@BassPet.Com > wrote:

- > I was notified last night about an 8 bbl crude oil spill at the
- > BEU-DI-9, they were supposed to update this morning Just a heads up in
- > case it turns out to be more Tony

>

> Sent from my iPhone



November 14, 2014

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BEU DI #9

Enclosed are the results of analyses for samples received by the laboratory on 11/13/14 11:15.

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.

Celeg & Keine

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



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received: Reported: 11/13/2014

11/14/2014

Project Name: Project Number: BEU DI #9

Project Location:

NONE GIVEN EDDY COUNTY, NM Sampling Date:

11/12/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Celey D. Keene

Sample ID: SP #1 @ SURFACE (H403488-01)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	11/14/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3210	50.0	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	16600	50.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	2500	50.0	11/13/2014	ND					
•									

Surrogate: 1-Chlorooctane

349 %

47.2-157

Surrogate: 1-Chlorooctadecane

390 %

52.1-176

Sample ID: SP #1 @ 6" (H403488-02)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	11/14/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4300	50.0	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	13600	50.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	1990	50.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	228	% 47.2-15	7						

Surrogate: 1-Chlorooctadecane

345 %

52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Clay Titrama



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

11/13/2014

Sampling Date:

11/12/2014

Reported:

11/14/2014

Sampling Type:

Soil

Project Name:

BEU DI #9

Sampling Condition: Sample Received By: Cool & Intact Celey D. Keene

Project Number: Project Location: NONE GIVEN EDDY COUNTY, NM

Sample ID: SP #1 @ 9" (H403488-03)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP			<u> </u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	11/14/2014	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	12.7	10.0	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	16.2	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					

Surrogate: 1-Chlorooctane

111 %

47.2-157

Surrogate: 1-Chlorooctadecane

123 %

52.1-176

Sample ID: SP #1 @ 12" (H403488-04)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	110	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	118	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

Celeg to Kenne



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

11/13/2014

Reported: Project Name: 11/14/2014 BEU DI #9

Project Number:

NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

oling Date:

11/12/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Celey D. Keene

Sample ID: SP #1 @ 18" (H403488-05)

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	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	113	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123	% 52.1-17	6						

Sample ID: SP #1 @ 24" (H403488-06)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	114 9	% 47.2-15	7		_				
Surrogate: 1-Chlorooctadecane	125 9	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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aleg to Kenne



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

11/13/2014

Sampling Date: Sampling Type: 11/12/2014

Reported:

11/14/2014

Soil

True Value OC

Project Name: Project Number: BEU DI #9 NONE GIVEN Sampling Condition: Sample Received By:

% Recovery

Cool & Intact Celey D. Keene

Oualifier

Project Location:

EDDY COUNTY, NM

Sample ID: SP #1 @ 30" (H403488-07)

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank			

Chloride	<16.0	16.0	11/14/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: ms			<u>-</u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					-

Surrogate: 1-Chlorooctane

111 %

47.2-157

Surrogate: 1-Chlorooctadecane

123 %

52.1-176

Sample ID: SP #1 @ 36" (H403488-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	•
EXT DRO > C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	113	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	124	% 52.1-17	'6						

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alex trans



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

11/13/2014

Sampling Date:

11/12/2014

Reported:

11/14/2014

Sampling Type:

Soil

Project Name:

BEU DI #9

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: SP #2 @ SURFACE (H403488-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	11/14/2014	ND	416	104	400	0.00	
TPH 8015M mg/k		/kg	Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	977	50.0	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	21100	50.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	3510	50.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	245	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	675	% 52.1-17	6						

Sample ID: SP #2 @ 6" (H403488-10)

mg/	kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	11/14/2014	ND	416	104	400	0.00	
mg/	kg	Analyze	d By: ms					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
293	10.0	11/13/2014	ND	199	99.4	200	2,34	
1060	10.0	11/13/2014	ND	210	105	200	1.53	
139	10.0	11/13/2014	ND					
137 %	6 47.2-15	7			`			
139 %	6 52.1-17	6				•		
	Result <16.0 mg/ Result 293 1060 139	<16.0 16.0 mg/kg Result Reporting Limit 293 10.0 1060 10.0 139 10.0 137 % 47.2-15	Result Reporting Limit Analyzed <16.0	Result Reporting Limit Analyzed Method Blank <16.0	Result Reporting Limit Analyzed Method Blank BS <16.0	Result Reporting Limit Analyzed Method Blank BS % Recovery <16.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <16.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <16.0

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Fax To:

(575) 396-1429

Received: Reported: 11/13/2014

11/14/2014

BEU DI #9

Project Name: Project Number:

NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

11/12/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Celey D. Keene

Sample ID: SP #2 @ 12" (H403488-11)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	120	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	133	% 52.1-17	'6						

Sample ID: SP #2 @ 18" (H403488-12)

mg,	/kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	11/14/2014	ND	416	104	400	0.00	
PH 8015M mg/kg		Analyze	d By: ms			<u> </u>		
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	11/13/2014	ND	199	99.4	200	2.34	
<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
<10.0	10.0	11/13/2014	ND					
115	% 47.2-15	7						
125	% 52.1-17	6						
	Result <16.0 mg, Result <10.0 <10.0 <10.0	<16.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 115 % 47.2-15	Result Reporting Limit Analyzed <16.0	Result Reporting Limit Analyzed Method Blank <16.0	Result Reporting Limit Analyzed Method Blank BS <16.0	Result Reporting Limit Analyzed Method Blank BS % Recovery <16.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <16.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <16.0

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Clay Zitana

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

11/13/2014

Reported:

11/14/2014

Project Name: Project Number:

BEU DI #9 NONE GIVEN

Project Location:

Analyte

Analyte

EDDY COUNTY, NM

Sampling Date:

11/12/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Celey D. Keene

Sample ID: SP #2 @ 24" (H403488-13)

Chloride, SM4500Cl-B

Chloride TPH 8015M

GRO C6-C10 DRO >C10-C28 EXT DRO >C28-C35 ma/ka

Analyzed By: AP

 									
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<16.0	16.0	11/14/2014	ND	416	104	400	0.00		
 mg/kg		Analyzed By: ms							
Result	Reporting Limit	Analyzed	Method Blank	· BS	% Recovery	True Value QC	RPD	Qualifier	
<10.0	10.0	11/13/2014	ND	199	99.4	200	2.34		
<10.0	10.0	11/13/2014	ND	210	105	200	1.53		
<10.0	10.0	11/13/2014	ND						

Surrogate: 1-Chlorooctane

115 %

47.2-157

Surrogate: 1-Chlorooctadecane

126 %

52.1-176

Sample ID: SP #2 @ 30" (H403488-14)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/14/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg_	Analyze	d By: ms				<u> </u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/13/2014	ND	199	99.4	200	2,34	•
DRQ >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	•
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND				•	
Surrogate: 1-Chlorooctane	112	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	124	% 52.1-17	6						

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Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

11/13/2014

Sampling Date:

11/12/2014

Reported:

11/14/2014

Sampling Type:

Soil

Project Name:

BEU DI #9

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: SP #3 @ SURFACE (H403488-15)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP		 _	·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	11/14/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2600	50.0	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	29000	50.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	4310	50.0	11/13/2014	ND				,	
Surrogate: 1-Chlorooctane	278	% 47.2-15	·································				<u>.</u>		

Surrogate: 1-Chlorooctadecane

826 %

52.1-176

Sample ID: SP #3 @ 6" (H403488-16)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP			-		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	11/14/2014	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	25.4	10.0	11/14/2014	ND	186	92.8	200	0.855	•
DRO >C10-C28	311	10.0	11/14/2014	ND	188	94.1	200	1.14	
EXT DRO >C28-C35	36.2	10.0	11/14/2014	ND					
Surrogate: 1-Chlorooctane	113	% 47.2-15	7						•
Surrogate: 1-Chlorooctadecane	119	% 52.1-17	6						

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Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

11/13/2014

Reported:

11/14/2014

Project Name:

BEU DI #9

Project Number:

NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

11/12/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Celey D. Keene

Sample ID: SP #3 @ 12" (H403488-17)

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AP						<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/14/2014	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms					<u></u> -
Analyte	Result	Reporting Limit	/ Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/14/2014	ND	186	92.8	200 ·	0.855	
DRO >C10-C28	44.2	10.0	11/14/2014	ND	188	94.1	200	1.14	
EXT DRO >C28-C35	<10.0	10.0	11/14/2014	ND					
Surrogate: 1-Chlorooctane	112	% 47.2-1.	57	•					

Surrogate: 1-Chlorooctane 112 % 4/.2-15/
Surrogate: 1-Chlorooctadecane 123 % 52.1-176

Sample ID: SP #3 @ 18" (H403488-18)

Chloride, SM4500CI-B	mg,	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/14/2014	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	11/14/2014	ND	186	92.8	200	0.855	
DRO >C10-C28	<10.0	10.0	11/14/2014	ND .	188	94.1	200	1.14	
EXT DRO >C28-C35	<10.0	10.0	11/14/2014	ND					
Surrogate: 1-Chlorooctane	112	% 47.2-15	7			. "			
Surrogate: 1-Chlorooctadecane	119	% 52.1-17	6						

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Fax To: (575) 396-1429

Received:

11/13/2014

Reported:

11/14/2014 BEU DI #9

Project Name: Project Number:

NONE GIVEN

Project Location:

EDDY COUNTY, NM

Sampling Date:

re: 11/12/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Celey D. Keene

Sample ID: SP #3 @ 24" (H403488-19)

Chloride, SM4500Cl-B	. mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/14/2014	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	11/14/2014	ND	186	92.8	200	0.855	
DRO >C10-C28	<10.0	10.0	11/14/2014	ND	188	94.1	200	1.14	
EXT DRO >C28-C35	<10.0	10.0	11/14/2014	ND					
Surrogate: 1-Chlorooctane	108	% 47.2-15	7	-				-	1.
Surrogate: 1-Chlorooctadecane	119	% 52.1-17	6						

Sample ID: SP #3 @ 30" (H403488-20)

Chloride, SM4500CI-B mg/kg			Analyze	d By: AP	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/14/2014	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	11/14/2014	ND	186	92.8	200	0.855	
DRO >C10-C28	<10.0	10.0	11/14/2014	ND	188	94.1	200	1.14	
EXT DRO >C28-C35	<10.0	10.0	11/14/2014	ND					
Surrogate: 1-Chlorooctane	113 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	124 9	% 52.1-17	6						

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Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received:

11/13/2014

Sampling Date:

11/12/2014

Reported:

11/14/2014

Sampling Type:

Soil

Project Name:

BEU DI #9

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: SP #3 @ 36" (H403488-21)

Chloride, SM4500Cl-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	11/14/2014	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	11/14/2014	ND	186	92.8	200	0.855	
DRO >C10-C28	<10.0	10.0	11/14/2014	ND	188	94,1	200	1.14	
EXT DRO >C28-C35	<10.0	10.0	11/14/2014	ND					
Surrogate: 1-Chlorooctane	112	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	124	% 52.1-17	6						

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aligh Kuna



Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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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aleg & Kuna

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476																								
Company Name:		-						BILL TO						ANALYSIS REQUEST										
Project Manager:	Joel Lowry							P.O.	#:														T	
Address: P.O. E	30x 301							Con	ipan	y:	BOPC	O, LP	1										1	İ
City: Lovington	State: NM	Zip	: 8	8260)			Attn	:		Tony Savo	oie												
Phone #: (575)3	396-2378 Fax #: (575)3	96-14	129		-	***		Add	ress	:		-	1											i
Project #:	Project Owne	r:						City	:		nema Allenia nema se esta interesa e e entre e e e		1			_			1				1	İ
Project Name:	BEU DI #9	-			and the second					NM	Zip:			ŝ	18)	II.			1				- 1	İ
Project Location:	Eddy Co., NM					- ar an anger		***************************************	ne#				į	50	(8021B)	FOR TPH								İ
Sampler Name:		**********			0.1700.000	****		Fax		-	**************	the enterior to the other decomposition and appropriate	Chloride	FPH (8015M)	X	DF							1	-
FOR LAB USE ONLY	······································	T	Т	T	M	ATRI			RES	ERV.	SAMPLI	NG	١	2	втех	HOLD		-					1	
Lab I.D. H403488	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME					:							
Ol	SP #1 @ Surf.	9	1			x l			×		11/12/14	900	x	×						<u> </u>				
32	SP #1 @ 6"	9	1			x		_].	×		11/12/14	910	×	×						<u> </u>				
03	SP #1 @ 9"	9	1			x			×		11/12/14	920	×	х						<u> </u>				
2YI	SP #1 @ 12"	g	1			×			X		11/12/14	930	×	×					<u> </u>	<u> </u>				
05	SP #1 @ 18"	9	1			x .			X		11/12/14	940	×	×					Ŀ					
Ok	SP #1 @ 24"	9	1			x .			X		11/12/14	950	×	x					<u> </u>					
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PLEASE NOTE: Liability and Damages. Cordinal's liability and client's exclusive remark for any claim enteng whether based in contract or tos, shall be fertiled to the amount cald by the client for the analyses. All claims including those for morphogones of any other course whateveer shall be deemed wished unless made in writing and received by Certical within 10 days after completion of the applicable service. In one event shall Cardinal be liability for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of use, or loss of used or puttle incurred by client, its substituties.

attitudes or successors answing out of or retailed to the performance of	r services hereunder by Cardinal regardiess of whether such coarn is based upon any of the above stated reason	ns or otherwise.
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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAY (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393-2-	4/0																							
Company Name:	ipany Name:						BILL TO						ANALYSIS						REQUEST						
Project Manager:	Joel Lowry					P.O. #:																			1
Address: P.O. 8	Box 301							Company: BOPCO, LP]				
City: Lovington	State: NM	Zip	: 8	826	0			Attn	·:	-	Tony S	avoi	e				-								i
Phone #: (575)3	396-2378 Fax #: (575)3	96-1	429					Add	ress	s:		-													i
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19	SP #3 @ 24"	9	1			x				x	11/12/1	4	1240	х	×										
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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476 BILL TO Company Name: **ANALYSIS REQUEST** P.O. #: Project Manager: Joel Lowry Address: P.O. Box 301 Company: BOPCO, LP State: NM Zip: 88260 Lovington Attn: Tony Savoie Phone #: (575)396-2378 Fax #: (575)396-1429 Address: Project #: Project Owner: City: HOLD FOR TPH BTEX (8021B) TPH (8015M) BEU DI #9 Project Name: State: NM Zip: Chloride Project Location: Eddy Co., NM Phone #: Sampler Name: Fax #: MATRIX PRESERV. SAMPLING FOR LAB USE ONLY Lab I.D. Sample I.D. DATE TIME SP #3 @ 36" 11/12/14 1300

PLEASE NOTE: Usbibly and Damagos. Cerdinal's lability and clients exclusive remedy for any claim arising whether based in contract or text, their be finished to the amount good by the client for the analyses. At claims including those for replipance and any other cause whatboover that be deemed varied unless made in winting and received by Castriani within 30 days after completion of the applicable source. In so event shalf Cardinal for fails to fails for incidental or conscioustal states, applicables where the Cardinal for fails are failed in the client for incidental or conscious that is a fail for incidental or conscious that fails considered where the cardinal fails are the cardinal fails and the constitution of

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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

#54

Patterson, Heather, EMNRD



From:

Savoie, Tony A. <TASavoie@BassPet.Com>

Sent:

Saturday, November 08, 2014 5:15 PM

To:

Savoie, Tony A.

Cc:

Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD

Subject:

Re: Spill

Just got an update, vac truck recovered 26 bbls oil and 10 bbls pw Will get saturation loss and send a C-141

Sent from my iPhone

On Nov 8, 2014, at 2:51 PM, "Savoie, Tony A." < TASavoie@BassPet.Com > wrote:

- > I was notified last night about an 8 bbl crude oil spill at the
- > BEU-DI-9, they were supposed to update this morning Just a heads up in
- > case it turns out to be more Tony

>

> Sent from my iPhone