

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

NAB1432355958		OPERATOR		<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Name of Company: BOPCO, L.P. 200737		Contact: Tony Savoie			
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220		Telephone No. 575-887-7329			
Facility Name: Big Eddy Unit DI-9 Tank Battery (Vessel for #34H)		Facility Type: Exploration and Production			
Surface Owner: State		Mineral Owner: State and Federal		API No. 30-015-42008	

LOCATION OF RELEASE

Unit Letter P	Section 21	Township 21S	Range 30E	Feet from the	North/South Line	Feet from the	East/West Line	County: Eddy
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	-----------------

Latitude N 32.456585 Longitude W 103.879241

NATURE OF RELEASE

Type of Release: Crude oil and produced water	Volume of Release: 46 bbls crude oil and 18 bbls produced water	Volume Recovered: 26 bbls crude oil and 10 bbls produced water
Source of Release: Heater-treater	Date and Hour of Occurrence: 11/7/14 at approx. 8:00 p.m.	Date and Hour of Discovery: 11/7/14 at approx. 9:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Bratcher and H. Patterson (via e-mail)	
By Whom? Tony Savoie	Date and Hour: 11/8/14 at 2:51 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse:	

NM OIL CONSERVATION

ARTESIA DISTRICT

NOV 18 2014

RECEIVED

Describe Cause of Problem and Remedial Action Taken.*

A gasket failed on the heater-treater man-way plate. The well was shut in and the gasket was replaced. All free standing fluid was removed with a vacuum truck.

Describe Area Affected and Cleanup Action Taken.*

The spill impacted approximately 6,750 sq. ft. of process containment area that had the base soil treated with a bionic soil solution during construction, samples were collected at 6" intervals to a depth of 3 ft. to check for oil and water saturation. The spill misted and area of approximately 3,425, sq. ft in the pasture. Soil samples were collected and field tested for chloride saturation depth in the pasture area. The lab results and soil chemistry tables are attached. The impacted area will be cleaned up in accordance to the NMOCD remediation guidelines.

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

Signature: Tony Savoie		OIL CONSERVATION DIVISION	
Printed Name: Tony Savoie		Signed By Mike Bratcher Approved by Environmental Specialist:	
Title: Waste Management and Remediation Specialist		Approval Date: 11/19/14	Expiration Date: N/A
E-mail Address: tasavoie@basspet.com		Conditions of Approval:	
Date: 11/18/14 Phone: 432-556-8730		Remediation per O.C.D. Rules & Guidelines SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 12/19/14	

* Attach Additional Sheets If Necessary

2RP 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 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		BBLs 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

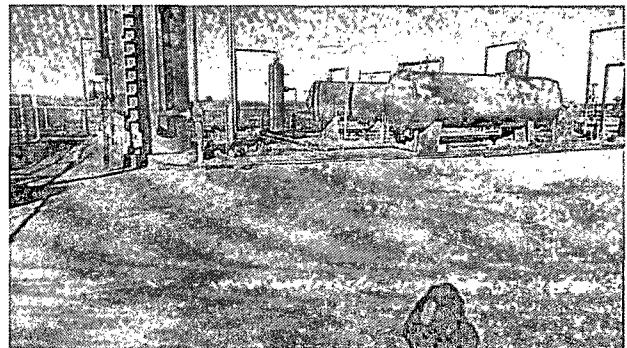
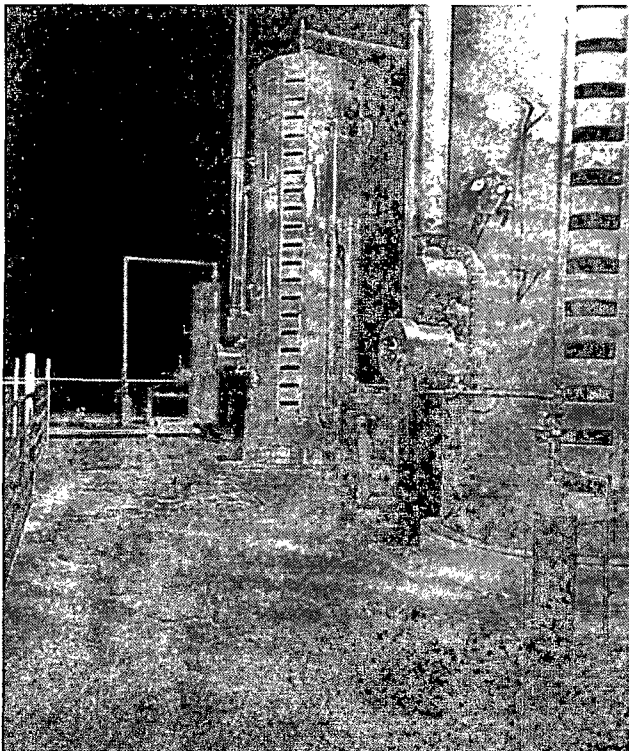
DESCRIPTION (What happened?):

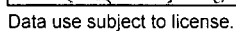
Manway gasket on main production heater failed.

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

The well monitor noticed release and reported immediately. He also called out vacuum 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.

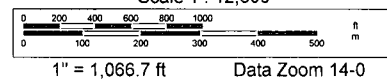
PICTURE ATTACHMENT:





www.delorme.com

Scale 1 : 12,800





SP #4

SP #5

SP #6

SP #3

SP #2

SP #1

Release Point

Process Facility

Notes: Depicted Pipelines are Representative
Numerous Unmapped Pipeline within Process Facility

20 10 0 10 20

Distance in Feet

Legend:

- Fence
- Inferred Release Margins
- Gravel Base
- Pipeline
- Sample Location

Figure 2
Site & Sample Location Map
BOPCO, L.P.
BEU Drill Island #9
Process Facility
Eddy County, New Mexico

Basin Environmental Services

Prep By: JWL

Checked By: BJA

November 17, 2014

Scale 1"=20'

Date: 11/14/2014

Notes: BEU DI #9 Pasture Investigation

[illegible]

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

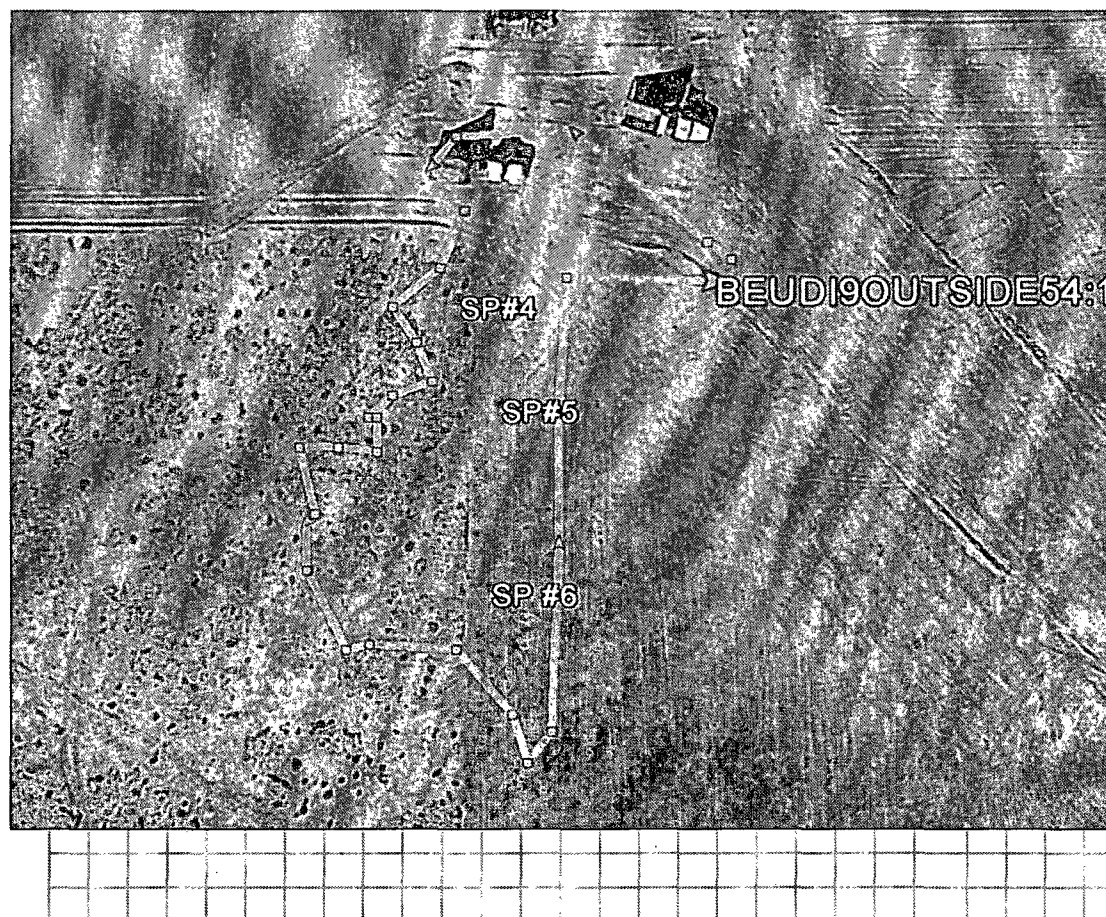


TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP
BEU DI #9 - CALICHE WELL PAD PROFILE
EDDY COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M			TOTAL TPH	4500 Cl-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)	C ₆ -C ₃₅ (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
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	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
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
NMOCD Criteria				10				50				5,000	1,000

- = Not analyzed.

DATE

DEFRANTINE

2014年12月15日

11-10-14

EHS

A. K. K.

BELL DI 9 Leak

Manway gasket on main production heater failed.

3425 ft² pasture
6750 ft² pad

26 bbl Oil
10 bbl PW
recovered

60-160-123-96.18

40° 50' 35.0

55-10,12-9.8

30 x 20 x 10-15/34

27-15-10-65

CONFIDENTIAL

45-457-1-10

15-71

Scrub areas
Total 1

80' x 15'

Übersprach

45' x 45'

Runoff 6"

40' x 5'

GRS Source

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



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

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 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,

Celest D. Keene

Lab Director/Quality Manager

Analytical Results For:

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 #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						
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					
<hr/>									
Surrogate: 1-Chlorooctane	349 %	47.2-157							
Surrogate: 1-Chlorooctadecane	390 %	52.1-176							

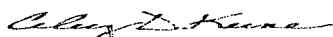
Sample ID: SP #1 @ 6" (H403488-02)

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						
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					
<hr/>									
Surrogate: 1-Chlorooctane	228 %	47.2-157							
Surrogate: 1-Chlorooctadecane	345 %	52.1-176							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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 #1 @ 9" (H403488-03)

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

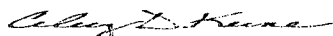
Sample ID: SP #1 @ 12" (H403488-04)

Chloride, SM4500Cl-B		mg/kg		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 %	47.2-157								
Surrogate: 1-Chlorooctadecane	118 %	52.1-176								

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 #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 %	47.2-157							
Surrogate: 1-Chlorooctadecane	123 %	52.1-176							

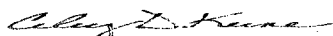
Sample ID: SP #1 @ 24" (H403488-06)

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	114 %	47.2-157								
Surrogate: 1-Chlorooctadecane	125 %	52.1-176								

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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 #1 @ 30" (H403488-07)

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	111 %	47.2-157							
Surrogate: 1-Chlorooctadecane	123 %	52.1-176							

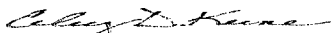
Sample ID: SP #1 @ 36" (H403488-08)

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 %	47.2-157								
Surrogate: 1-Chlorooctadecane	124 %	52.1-176								

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 #2 @ SURFACE (H403488-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed 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/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 %	47.2-157								
Surrogate: 1-Chlorooctadecane	675 %	52.1-176								

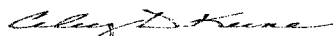
Sample ID: SP #2 @ 6" (H403488-10)

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	293	10.0	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	1060	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	139	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	137 %	47.2-157							
Surrogate: 1-Chlorooctadecane	139 %	52.1-176							

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Analytical Results For:

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 #2 @ 12" (H403488-11)

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	120 %	47.2-157								
Surrogate: 1-Chlorooctadecane	133 %	52.1-176								

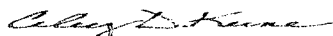
Sample ID: SP #2 @ 18" (H403488-12)

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	115 %	47.2-157							
Surrogate: 1-Chlorooctadecane	125 %	52.1-176							

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Analytical Results For:

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 #2 @ 24" (H403488-13)

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	115 %	47.2-157								
Surrogate: 1-Chlorooctadecane	126 %	52.1-176								

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

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	112 %	47.2-157								
Surrogate: 1-Chlorooctadecane	124 %	52.1-176								

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Analytical Results For:

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 @ SURFACE (H403488-15)

Chloride, SM4500Cl-B		mg/kg	Analyzed 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	Analyzed By: ms						
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					
<i>Surrogate: 1-Chlorooctane</i>									
	278 %	47.2-157							
<i>Surrogate: 1-Chlorooctadecane</i>									
	826 %	52.1-176							

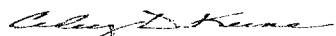
Sample ID: SP #3 @ 6" (H403488-16)

Chloride, SM4500Cl-B		mg/kg	Analyzed 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	Analyzed 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					
<i>Surrogate: 1-Chlorooctane</i>									
	113 %	47.2-157							
<i>Surrogate: 1-Chlorooctadecane</i>									
	119 %	52.1-176							

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Analytical Results For:

 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, 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	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	11/14/2014	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 %	47.2-157							
Surrogate: 1-Chlorooctadecane	123 %	52.1-176							

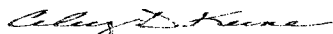
Sample ID: SP #3 @ 18" (H403488-18)

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	11/14/2014	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 %	47.2-157								
Surrogate: 1-Chlorooctadecane	119 %	52.1-176								

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Analytical Results For:

 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 @ 24" (H403488-19)

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	11/14/2014	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 %	47.2-157								
Surrogate: 1-Chlorooctadecane	119 %	52.1-176								


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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/14/2014	ND	400	100	400	3.92		
TPH 8015M			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	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 %	47.2-157								
Surrogate: 1-Chlorooctadecane	124 %	52.1-176								

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 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 @ 36" (H403488-21)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/14/2014	ND	400	100	400	3.92	

TPH 8015M

mg/kg

Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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					

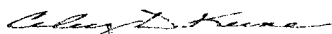
Surrogate: 1-Chlorooctane 112 % 47.2-157

Surrogate: 1-Chlorooctadecane 124 % 52.1-176

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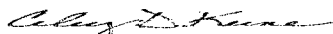
Notes and Definitions

- 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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#54



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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

Page 16 of 16

Company Name:				BILL TO				ANALYSIS REQUEST																				
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> <div>HOLD FOR TPH</div> </div>																				
Address: P.O. Box 301				Company: BOPCO, LP																								
City: Lovington State: NM Zip: 88260				Attn: Tony Savoie																								
Phone #: (575)396-2378 Fax #: (575)396-1429				Address:																								
Project #: Project Owner:				City:																								
Project Name: BEU DI #9				State: NM Zip:																								
Project Location: Eddy Co., NM				Phone #:																								
Sampler Name:				Fax #:																								
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																		
Lab I.D.	Sample I.D.	Q/RAB OR (COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME														
H403477-21	SP #3 @ 36"	g	1			x					x		11/12/14	1300	x	x												

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever that be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 11-13-14	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Quilley</i>	Time: 10:00	<i>B.L. Blakum</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 11/13/14	Received By:	REMARKS:	
<i>B.L. Blakum</i>	Time: 11:15	<i>Chelene</i>	Run Highest TPH for BTEX	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	Please email results to pm@basinenv.com, TASavoie@BassPet.com, acruith@basspet.com	
Sampler - UPS - Bus - Other:	Cool Intact	(Initials)		
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>col</i>		

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

#54

BADCO

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