



March 17, 2016

Mike Bratcher
New Mexico Energy, Minerals & Natural Resources Oil Conservation Division,
Environmental Bureau - District 2
811 S. First St.
Artesia, NM 88210

RE: Corrective Action Plan
Burnett Oil Co., Inc. - Gissler A 9
UL/H sec. 14 T17S R30E

Mr. Bratcher

The above location is located approximately 2 miles northeast of Loco Hills, New Mexico at UL/H sec. 14 T17S R30E. The site is located in an area of no known groundwater.

On December 16, 2015 a release was discovered of 10 barrels of crude oil and produced water. The release occurred when a steel injection line going to the Gissler A (API # 30-015-04153) ruptured and come to surface. The release impacted a 400'x1' area with a 10'x 20' pooling area in a pipeline ROW. The BLM and the NMOCDC were both notified of the release on December 16, 2015 with the initial C-141 being filed on the same day.

On February 8, 2016, Burnett Oil Co., Inc. collected initial samples at four different sample points. The samples were taken to a commercial laboratory for testing.

Corrective Action Plan

To remediate the impacted soil, Burnett Oil Co., Inc. would like to work the impacted area with chloride bonding agents, flush the area with fresh water and drive the chlorides approximately 3' below surface level. After each installment of binding agents, Burnett Oil Co., Inc. will collect samples for verification of remediation success. Once the chlorides have been pushed below the root zone, and the hydrocarbons have been remediated below regulatory standards the area will be reseeded with BLM #2 seed mix. The area will then be observed until sufficient regrowth occurs.



March 17, 2016

Following the approval of the plan and after the remediation has taken place, Burnett Oil Co., Inc. will submit all proper closure documentation to the NMOCD and the BLM in accordance to the State and Federal Guidelines set forth.

Please feel free to contact me with any questions concerning this remediation plan request.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Johnny Titsworth', is written over a series of horizontal lines.

Johnny Titsworth
HSE Coordinator
Burnett Oil Co., Inc.
P.O. Box 188 / CR 220 North
Loco Hills, NM 88255
(432)-425-2891
Email: jtitsworth@burnettoil.com

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Burnett Oil Co., Inc.	Contact	Leslie Garvis
Address	Burnett Plaza - Suite 1500, 801 Cherry Street-Unit 9, Ft. Worth, TX 76102	Telephone No.	817-583-8730
Facility Name	Gissler A 9	Facility Type	Oil well
Surface Owner	BLM	Mineral Owner	BLM
		API No.	30-015-04153

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	14	17S	30E	1980	North	660	East	Eddy

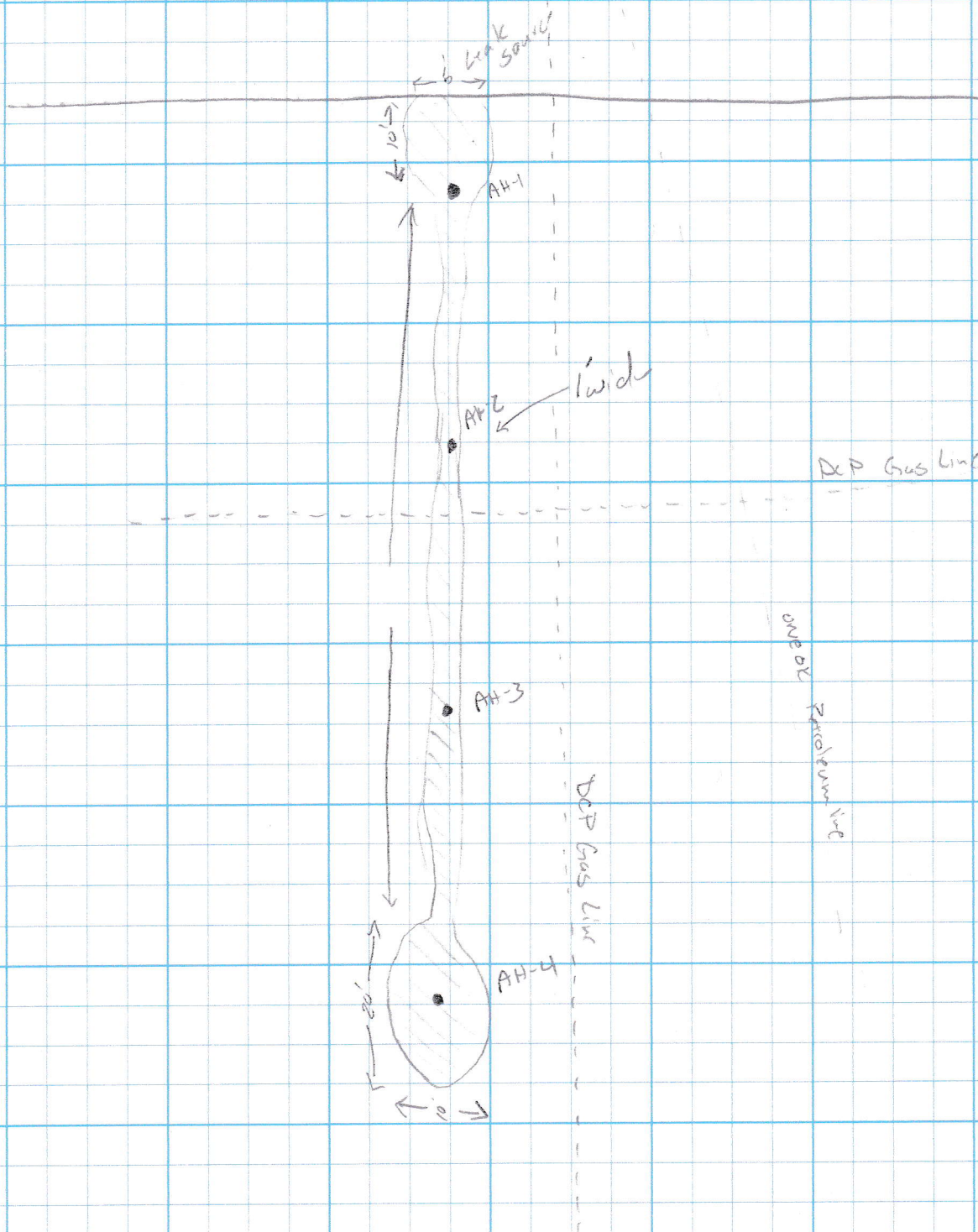
Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil/Water	Volume of Release	3 bbls/7 bbls	Volume Recovered	0/0
Source of Release	Poly Pipe	Date and Hour of Occurrence	12/16/15 1000	Date and Hour of Discovery	12/16/15 1000
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	BLM - S.Tucker, OCD - H.Patterson		
By Whom?	Leslie Garvis	Date and Hour	12/16/15 1435		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.* N/A					
Describe Cause of Problem and Remedial Action Taken.* Steel flowline to tank battery corroded and released PW & Oil. Pipeline will be repaired and returned to service					
Describe Area Affected and Cleanup Action Taken.* Area affect is approx 400' x 1' and 10'x20' in the track of the pipeline right of way, with a pooling area at the end of the release. The release originated at the top of an elevated area and traveled downhill. The spill is approx. 150-200 yards north of the Gissler A 2 tank battery. Impacted area will be sampled and cleaned up according to regulatory requirements. Clean up plan will be submitted as soon as developed.					
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: 		OIL CONSERVATION DIVISION			
Printed Name: Leslie Garvis		Approved by Environmental Specialist:			
Title: Regulatory Coordinator		Approval Date:		Expiration Date:	
E-mail Address: lgarvis@burnettoil.com		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: 12/16/15		Phone: 817-583-8730			

* Attach Additional Sheets If Necessary

← 2



February 22, 2016

JOHNNY TITSWORTH

Burnett Oil Co., Inc

P. O. BOX 188

LOCO HILLS, NM 88255

RE: GISSLER A #9

Enclosed are the results of analyses for samples received by the laboratory on 02/09/16 13:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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:

Burnett Oil Co., Inc
JOHNNY TITSWORTH
P. O. BOX 188
LOCO HILLS NM, 88255
Fax To: None

Received: 02/09/2016
Reported: 02/22/2016
Project Name: GISSLER A #9
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: AH-1 0-1' (H600287-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	02/12/2016	ND	432	108	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	2710	100	02/11/2016	ND	219	110	200	0.648		
DRO >C10-C28	12800	100	02/11/2016	ND	208	104	200	0.772		

Surrogate: 1-Chlorooctane 170 % 35-147

Surrogate: 1-Chlorooctadecane 313 % 28-171

Sample ID: AH-1 1-1.5' (H600287-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	02/12/2016	ND	432	108	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	02/16/2016	ND	208	104	200	1.10	
DRO >C10-C28	65.5	10.0	02/16/2016	ND	218	109	200	0.367	

Surrogate: 1-Chlorooctane 107 % 35-147

Surrogate: 1-Chlorooctadecane 121 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Burnett Oil Co., Inc
JOHNNY TITSWORTH
P. O. BOX 188
LOCO HILLS NM, 88255
Fax To: None

Received: 02/09/2016
Reported: 02/22/2016
Project Name: GISSLER A #9
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: AH-1 2-2.5' (H600287-03)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	02/12/2016	ND	432	108	400	0.00	

Sample ID: AH-1 3-3.5' (H600287-04)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	02/12/2016	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Burnett Oil Co., Inc
JOHNNY TITSWORTH
P. O. BOX 188
LOCO HILLS NM, 88255
Fax To: None

Received: 02/09/2016
Reported: 02/22/2016
Project Name: GISSLER A #9
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: AH-2 0-1' (H600287-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/11/2016	ND	2.10	105	2.00	2.38	
Toluene*	5.61	0.500	02/11/2016	ND	2.08	104	2.00	2.62	
Ethylbenzene*	12.7	0.500	02/11/2016	ND	1.90	95.0	2.00	2.16	
Total Xylenes*	26.1	1.50	02/11/2016	ND	5.71	95.2	6.00	2.49	
Total BTEX	44.4	3.00	02/11/2016	ND					

Surrogate: 4-Bromofluorobenzene (PII) 113 % 73.6-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/12/2016	ND	432	108	400	0.00	
TPH 8015M			mg/kg		Analyzed By: MS				

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	599	50.0	02/11/2016	ND	219	110	200	0.648	
DRO >C10-C28	3140	50.0	02/11/2016	ND	208	104	200	0.772	

Surrogate: 1-Chlorooctane 137 % 35-147

Surrogate: 1-Chlorooctadecane 118 % 28-171

Sample ID: AH-2 1-1.5' (H600287-06)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/12/2016	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Burnett Oil Co., Inc
JOHNNY TITSWORTH
P. O. BOX 188
LOCO HILLS NM, 88255
Fax To: None

Received: 02/09/2016
Reported: 02/22/2016
Project Name: GISSLER A #9
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: AH-3 0-1' (H600287-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	02/12/2016	ND	432	108	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	2090	100	02/10/2016	ND	226	113	200	1.04		
DRO >C10-C28	17400	100	02/10/2016	ND	215	108	200	0.440		

Surrogate: 1-Chlorooctane 221 % 35-147
Surrogate: 1-Chlorooctadecane 392 % 28-171

Sample ID: AH-3 1-1.5' (H600287-08)

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	02/12/2016	ND	432	108	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	1200	50.0	02/16/2016	ND	208	104	200	1.10		
DRO >C10-C28	8060	50.0	02/16/2016	ND	218	109	200	0.367		

Surrogate: 1-Chlorooctane 161 % 35-147
Surrogate: 1-Chlorooctadecane 189 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Burnett Oil Co., Inc
JOHNNY TITSWORTH
P. O. BOX 188
LOCO HILLS NM, 88255
Fax To: None

Received: 02/09/2016
Reported: 02/22/2016
Project Name: GISSLER A #9
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: AH-3 2-2.5' (H600287-09)

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	02/12/2016	ND	432	108	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	02/19/2016	ND	198	99.1	200	5.85	
DRO >C10-C28	13.5	10.0	02/19/2016	ND	216	108	200	12.2	

Surrogate: 1-Chlorooctane 98.3 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 28-171

Sample ID: AH-3 3-3.5' (H600287-10)

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	02/12/2016	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Burnett Oil Co., Inc
JOHNNY TITSWORTH
P. O. BOX 188
LOCO HILLS NM, 88255
Fax To: None

Received: 02/09/2016
Reported: 02/22/2016
Project Name: GISSLER A #9
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: AH-4 0-1' (H600287-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/11/2016	ND	2.10	105	2.00	2.38	
Toluene*	1.18	0.500	02/11/2016	ND	2.08	104	2.00	2.62	
Ethylbenzene*	6.38	0.500	02/11/2016	ND	1.90	95.0	2.00	2.16	
Total Xylenes*	16.0	1.50	02/11/2016	ND	5.71	95.2	6.00	2.49	
Total BTEX	23.6	3.00	02/11/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	02/12/2016	ND	432	108	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	569	50.0	02/10/2016	ND	226	113	200	1.04	
DRO >C10-C28	4950	50.0	02/10/2016	ND	215	108	200	0.440	

Surrogate: 1-Chlorooctane 164 % 35-147

Surrogate: 1-Chlorooctadecane 140 % 28-171

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JOHNNY TITSWORTH
P. O. BOX 188
LOCO HILLS NM, 88255
Fax To: None

Received: 02/09/2016
Reported: 02/22/2016
Project Name: GISSLER A #9
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: AH-4 1-1.5' (H600287-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/12/2016	ND	432	108	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	02/16/2016	ND	208	104	200	1.10	
DRO >C10-C28	<10.0	10.0	02/16/2016	ND	218	109	200	0.367	

Surrogate: 1-Chlorooctane 106 % 35-147
Surrogate: 1-Chlorooctadecane 116 % 28-171

Sample ID: AH-4 2-2.5' (H600287-13)

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	02/12/2016	ND	432	108	400	0.00	

Sample ID: AH-4 3-3.5' (H600287-14)

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	02/12/2016	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Burnett Oil Co., Inc
 JOHNNY TITSWORTH
 P. O. BOX 188
 LOCO HILLS NM, 88255
 Fax To: None

 Received: 02/09/2016
 Reported: 02/22/2016
 Project Name: GISSLER A #9
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 02/08/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: AH-4 4-4.5' (H600287-15)

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	02/12/2016	ND	432	108	400	0.00	

Sample ID: AH-4 5-5.5' (H600287-16)

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	02/12/2016	ND	432	108	400	0.00	

Sample ID: AH-4 6-6.5' (H600287-17)

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	02/12/2016	ND	432	108	400	0.00	

Sample ID: AH-4 7-7.5' (H600287-18)

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	02/12/2016	ND	432	108	400	0.00	

Sample ID: AH-4 8-8.5' (H600287-19)

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	02/12/2016	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

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

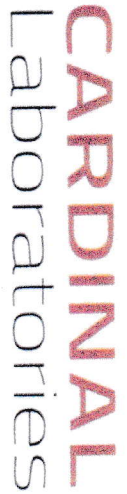
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Celey D. Keene, Lab Director/Quality Manager



Page 1

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

Company Name: Barrett Oil Co. Inc. Project Manager: Jimmy Treaswell Address: P.O. Box 188 City: Leno Hill Phone #: 432-425-2591 State: NM Zip: 88255 Fax #: Project Owner: Project Name: Custer A 9 Project Location: Eddy Co. NM Sampler Name: Jimmy Treaswell <small>FOR LAB USE ONLY</small>		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:																																																																																																																																																																																	
Lab I.D.: H000267 Sample I.D.:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">Lab I.D.</th> <th style="width:10%;">Sample I.D.</th> <th style="width:10%;">(G)RAB OR (C)OMP.</th> <th style="width:10%;"># CONTAINERS</th> <th style="width:10%;">GROUNDWATER</th> <th style="width:10%;">WASTEWATER</th> <th style="width:10%;">SOIL</th> <th style="width:10%;">OIL</th> <th style="width:10%;">SLUDGE</th> <th style="width:10%;">OTHER</th> <th style="width:10%;">ACID/BASE</th> <th style="width:10%;">ICE / COOL</th> <th style="width:10%;">OTHER</th> <th style="width:10%;">DATE</th> <th style="width:10%;">TIME</th> <th style="width:10%;">REMARKS</th> </tr> <tr> <td>AA-1</td> <td>0-1'</td> <td></td> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2/8/16</td> <td></td> <td>X</td> </tr> <tr> <td>AA-1</td> <td>1-1.5'</td> <td></td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>AA-1</td> <td>2-2.5'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>AA-1</td> <td>3-3.5'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>AA-2</td> <td>0-1'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>AA-2</td> <td>1-1.5'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>AA-3</td> <td>0-1'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>AA-3</td> <td>1-1.5'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>AA-3</td> <td>2-2.5'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>AA-3</td> <td>3-3.5'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> </table>	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	REMARKS	AA-1	0-1'		9										2/8/16		X	AA-1	1-1.5'		4												X	AA-1	2-2.5'														X	AA-1	3-3.5'														X	AA-2	0-1'														X	AA-2	1-1.5'														X	AA-3	0-1'														X	AA-3	1-1.5'														X	AA-3	2-2.5'														X	AA-3	3-3.5'														X	MATRIX PRESERV SAMPLING	Chlorides TPH 8015 BTEX
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	REMARKS																																																																																																																																																																				
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PLEASE NOTE: Laboratory and Diagnostic Chemicals Laboratory and their subsidiaries are not responsible for the accuracy of the results of the analysis of any sample received for analysis unless the sample is properly labeled and received by the laboratory within 30 days after completion of the applicable service. In no event shall the laboratory be liable for negligent or consequential damages, including secondarily, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or subsidiaries, arising out of or resulting from the performance of services rendered by the laboratory or its subsidiaries.																																																																																																																																																																																			
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Delivered By: (Circle One) Sampler - UPS - Bus - Other:																																																																																																																																																																																			
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> CHECKED BY: [Signature]																																																																																																																																																																																			
REMARKS: If soil TPH exceeds 5,000 mg/kg Run deeper horizon																																																																																																																																																																																			



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 2

Company Name: Barrett Oil Co Inc		P.O. #:		BILL TO									
Project Manager: Jimmy Townsend		Company:		ANALYSIS REQUEST									
Address: P.O. Box 186		Attn:											
City: Lee Hill		Address:											
Phone #: (432) 475-7841		City:											
State: NM		State:											
Zip: 88255		Zip:											
Project #:		Project Owner:											
Project Name: Gissler A 9		Project Location: Elder Co. NM											
Sampler Name: Jimmy Townsend		Phone #:											
Fax #:		Fax #:											

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	REMARKS
H00257	11 Ah-4	0-1	1	X			2/8/02		Chlorides
	12 Ah-4	1-1.5'	1	X					TPH 80.5
	13 Ah-4	2-2.5'	1	X					BTEX
	14 Ah-4	3-3.5'	1	X					
	15 Ah-4	4-4.5'	1	X					
	16 Ah-4	5-5.5'	1	X					
	17 Ah-4	6-6.5'	1	X					
	18 Ah-4	7-7.5'	1	X					
	19 Ah-4	8-8.5'	1	X					
	20 Ah-4	9-9.5'	1	X					

PLEASE NOTE: Following each sample, Cardinal's custody chain must be maintained. For any chain custody evidence related to individual test, must be passed to the project lead by the client for the analysis. All claims, including those for negligence and any other claims, shall be waived unless notice is received by Cardinal within 90 days after completion of this analysis. No claim shall be made against Cardinal for negligence or other claims, including those for negligence and any other claims, shall be waived unless notice is received by Cardinal within 90 days after completion of this analysis. No claim shall be made against Cardinal for negligence or other claims, including those for negligence and any other claims, shall be waived unless notice is received by Cardinal within 90 days after completion of this analysis.

Relinquished By: *[Signature]* Date: 2/4/02 Received By: *[Signature]* Date: 2/8/02

Relinquished By: *[Signature]* Date: 1/25/02 Received By: *[Signature]* Date: 2/8/02

Time: 1:25

Delivered By: (Circle One) ☒ UPS ☐ Bus ☐ Other: *-5.42*

Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No

CHECKED BY: *[Signature]*

Phone Result: ☐ Yes ☐ No Add'l Phone #: *500 7/25*

Fax Result: ☐ Yes ☐ No Add'l Fax #: *500 7/25*

REMARKS: *It was TPH records 5,000 mg/kg*

Table 1 - Analytical Results

Date	Sample ID	Depth	Chloride	TPH - GRO	TPH - DRO	Benzene	Toluene	ethylbenzene	Xylene	BTEX
2/8/2016	AH-1	0-1'	3200	2710	12800					
2/8/2016	AH-1	1'-1.5'	3600	<10.0	65.5					
2/8/2016	AH-1	2'-2.5'	2800							
2/8/2016	AH-1	3'-3.5'	752							
2/8/2016	AH-2	0-1'	128	599	3140	<0.500	5.61	12.7	26.1	44.4
2/8/2016	AH-2	1'-1.5'	160							
2/8/2016	AH-3	0-1'	592	2090	17400					
2/8/2016	AH-3	1'-1.5'	80	1200	8060					
2/8/2016	AH-3	2'-2.5'	<16.0	<10.0	13.5					
2/8/2016	AH-3	3'-3.5'	<16.0							
2/8/2016	AH-4	0-1'	1040	569	4950	<0.500	1.18	6.38	16	23.6
2/8/2016	AH-4	1'-1.5'	32	<10.0	<10.0					



Table 1 - Analytical Results

[illegible]