

January 30th, 2015

Mike Bratcher

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

**RE: Termination Request
Burnett Oil Co. – Jackson B-5 Gas Line (2RP-2243)
UL/L sec. 13 T17S R30E
API No. 30-015-32793**

Mr. Bratcher:

Burnett Oil Co. (Burnett) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 3 miles northeast of Loco Hills, New Mexico at UL/L sec. 13 T17S R30E. The site is located in an area of no known groundwater.

On March 24th, 2014, Burnett discovered a release of 5 barrels of oil and produced water. The release occurred when a rupture in an adjacent gas line caused a fire that melted several poly lines and released the oil and produced water over 9,274 square feet of pasture land. None of the release fluid was recovered. BLM was notified of the release on March 24th, 2014. NMOCD received the initial C-141 on March 27th, 2014, and approved it on April 2nd, 2014 (Appendix A).

RECS personnel were on site beginning on March 24th, 2014. Surface samples were taken at two points within the release area and field tested for chlorides and organic vapors (Figure 1). Both samples were taken to a commercial laboratory for analysis. Point 1 returned a chloride value of 3,760 mg/kg and Point 2 returned a chloride value of 48 mg/kg. Gasoline Range Organics (GRO) readings, Diesel Range Organics (DRO) readings and BTEX readings returned values of non-detect, except for the DRO reading at Point 2, which returned a value of 29.3 mg/kg (Appendix B). Based on the surface sampling results, a vertical was installed at Point 1 to determine the depth of chloride contamination. The vertical was installed to a depth of 10 ft bgs, and samples were taken at regular intervals and field tested for chlorides and organic vapors. The 10 ft bgs sample was then taken to a commercial laboratory for analysis. The sample returned a chloride value of 480 mg/kg and GRO, DRO and BTEX results of non-detect.

Based on the initial sampling of the site, a Corrective Action Plan (CAP) was submitted to NMOCD and BLM on May 27th, 2014. NMOCD approved the CAP on June 2nd, 2014. The CAP stated that the area around Point 1 would be excavated to a depth of 4 ft bgs (Figure 2). At

the base of the 4 ft excavation, a 20-mil reinforced poly liner would be installed and properly seated. All excavated soils would be evaluated for use as backfill and any soils that did not meet regulatory standards would be disposed of at a NMOCD approved facility. The remaining soils would be blended on site to use as backfill. Clean soil would be imported to the site to replace any soils taken for disposal. A sample of the blended backfill would be taken to a commercial laboratory to confirm that the backfill had constituents below regulatory standards. The excavation would then be backfilled with the blended soil and contoured to the surrounding location. The entire site would be tilled, soil amendments added to the site as needed and then seeded with a blend of native vegetation.

CAP activities began on October 9th, 2014. The site was excavated to 4 ft bgs, and a total of 534 cubic yards of excavated soil was taken to a NMOCD approved facility for disposal. At the base of the excavation, a 20-mil reinforced poly liner was installed and key set. A request to backfill the site was sent to NMOCD and BLM on October 20th, 2014. NMOCD and BLM approved the site to be backfilled on October 21st, 2014. A total of 576 cubic yards of top soil was imported to the site to serve as backfill. A sample of the imported soil was taken to a commercial laboratory and returned a chloride value of non-detect (Appendix C). The site was backfilled with the imported top soil and contoured to the surrounding location. On November 4th, 2014, soil amendments were added to the site, and the site was seeded with LPC mix.

Photo documentation of all field activities can be found in Appendix D.

Given that the site was remediated per the approved CAP, and NMOCD and BLM gave permission to backfill the site, Burnett respectfully requests 'remediation termination' and site closure. A final C-141 can be found in Appendix E.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,



Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure 1 – Initial Sampling Data
- Figure 2 – Proposed Corrective Actions
- Figure 3 – Excavation Map
- Appendix A – Initial C-141
- Appendix B – Initial Sampling Labs
- Appendix C – Imported Top Soil Lab
- Appendix D – Photo Documentation
- Appendix E – Final C-141








Figures

Initial Sampling Data

Point 1

	CI-	PID	GRO	DRO	B	T	E	X	BTEX
SS	3760	1.6	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
6"	701	0.6							
1'	729	0.3							
1.5'	770	1.2							
2'	892	2							
2.5'	1000	3.4							
3'	953	0.7							
3.5'	1046	0.2							
4'	1073	0.2							
4.5'	1275	0.2							
5'	1495	0.4							
5.5'	1679	0.2							
6'	1224	0.5							
6.5'	1430	0.7							
7'	1117	0.1							
7.5'	1387	0.1							
8'	1245	0.2							
8.5'	632	4							
9'	520	3.4							
9.5'	666	2.6							
10'	480	2.2	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

Legend

-  ELECTRIC POLE
-  WELLHEAD
-  SAMPLE POINT
-  BURIED PIPELINE
-  OVERHEAD ELECTRIC LINE
-  PAD/ROAD EDGE
-  STAIN (9,274 sq ft)

Point 2

	CI-	PID	GRO	DRO	B	T	E	X	BTEX
Surface	48	87	<10	29.3	<0.05	<0.05	<0.05	<0.15	<0.3

CI- FIELD DATA

CI- LAB DATA

Landowner: BLM

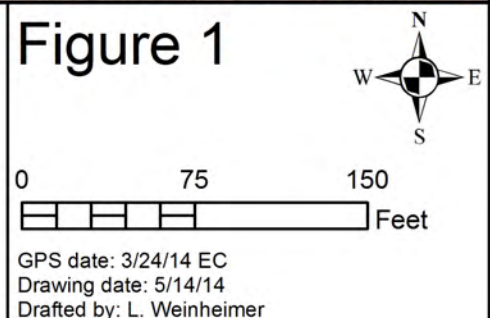
DGW: None

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

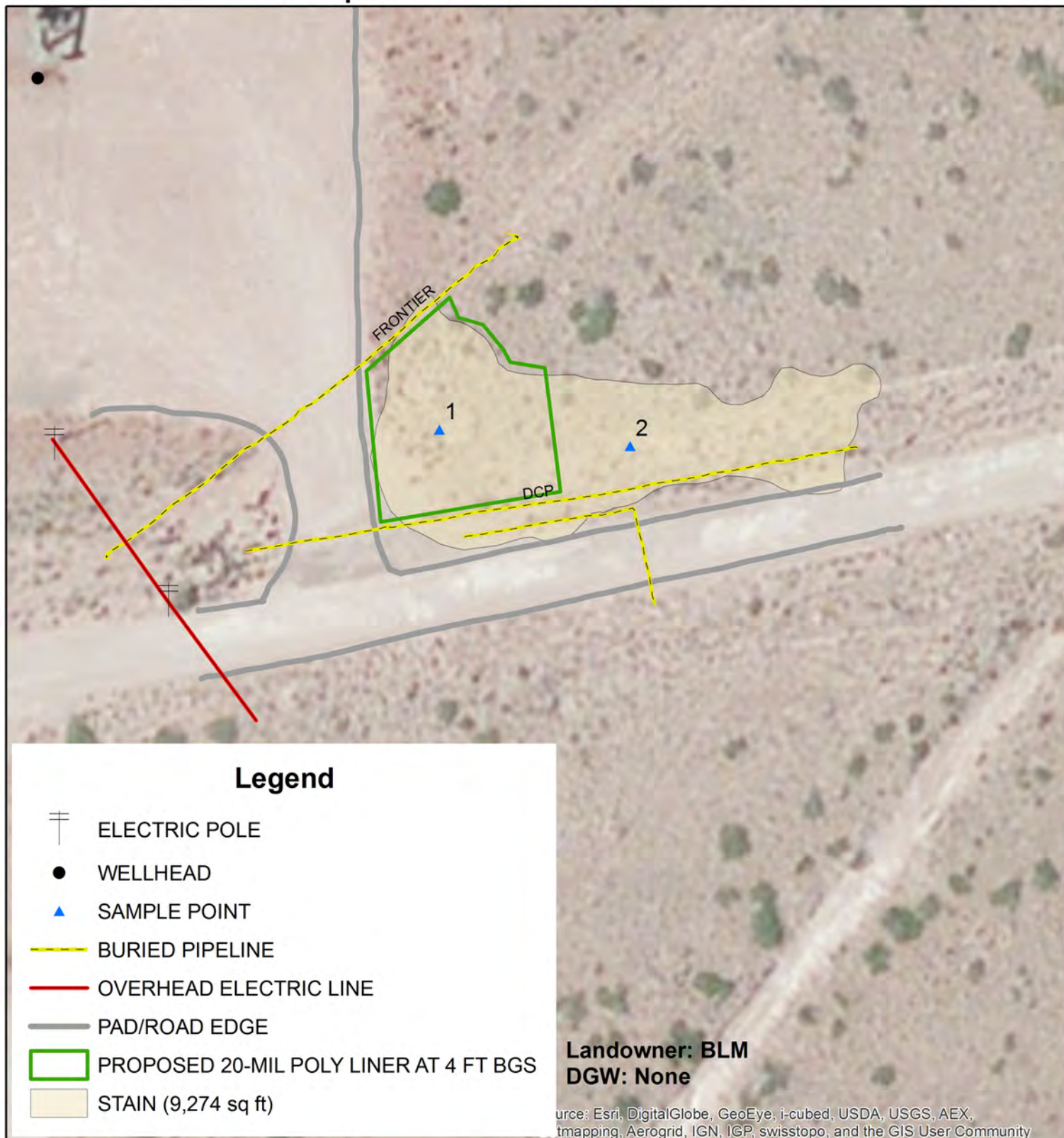


**BURNETT
JACKSON B-5
GAS LINE**
UL L SECTION 13
T-17-S R-30-E
EDDY COUNTY, NM

Figure 1



Proposed Corrective Actions



**BURNETT
JACKSON B-5
GAS LINE**
UL L SECTION 13
T-17-S R-30-E
EDDY COUNTY, NM

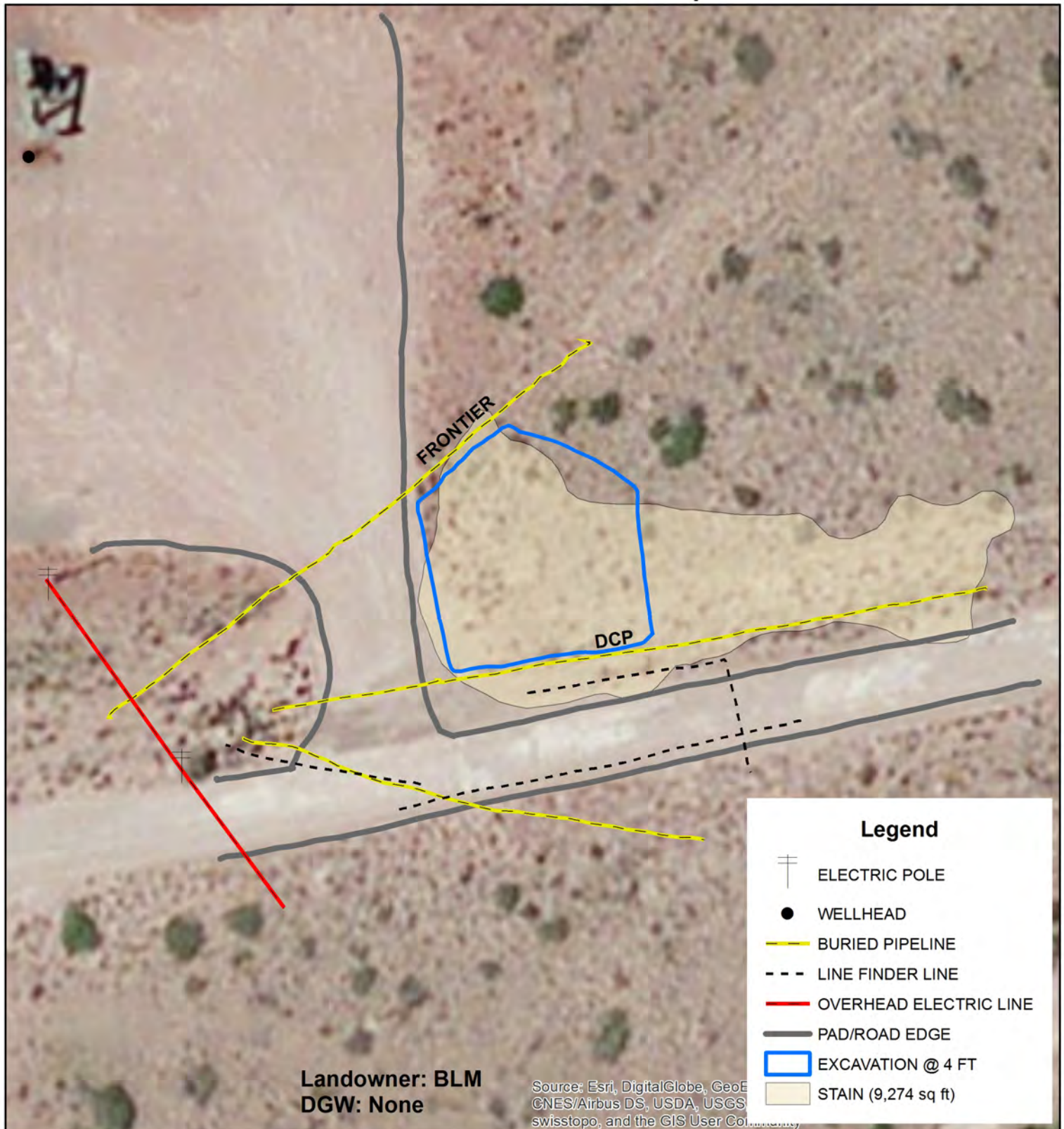
Figure 2



0 40 80
Feet

GPS date: 3/24/14 EC
Drawing date: 5/22/14
Drafted by: L. Weinheimer

Excavation Map



**BURNETT
JACKSON B-5
GAS LINE**
UL L SECTION 13
T-17-S R-30-E
EDDY COUNTY, NM

Figure 3

0 25 50
Feet

GPS date: 4/17/14 & 10/3/14 BC
Drawing date: 10/6/14
Drafted by: T. Grieco, B. Cooper



Appendix A

Initial C-141

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Burnett Oil Co. Inc. <u>3080</u>	Contact	Shawna Matthews
Address	P.O. Box 188, Loco Hills, NM 88255	Telephone No.	(575) 322-7213
Facility Name	Jackson B-5 Gas Line	Facility Type	Gas Line
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-32793

LOCATION OF RELEASE

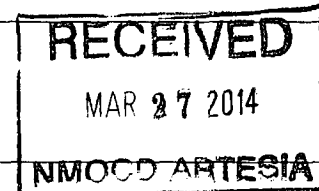
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	13	17S	30E	1730	FSL	1098	FWL	Eddy

Latitude 32.831953 Longitude -103.930483

NATURE OF RELEASE

Type of Release	Oil and Produced Water	Volume of Release	5 bbls	Volume Recovered	0 bbls
Source of Release	Multiple poly lines	Date and Hour of Occurrence	3/24/14 10:30 am	Date and Hour of Discovery	3/24/14 10:30 am
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Burton - BLM		
By Whom?	Jake Kamplain - RECS	Date and Hour	3/24/14 1:05 pm		
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.*



Describe Cause of Problem and Remedial Action Taken.*

A rupture in a gas line caused a fire that melted several poly lines releasing oil and produced water over 9,274 square feet of pasture land. None of this fluid was recovered. The lines were shut down and repaired.

Describe Area Affected and Cleanup Action Taken.*

The site will be assessed and then remediated to NMOCD and BLM regulations.

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: <u>Shawna Matthews</u>	OIL CONSERVATION DIVISION	
Printed Name: Shawna Matthews	Approved by Environmental Specialist: <u>Handwritten Signature</u>	
Title: Production Technician	Approval Date: <u>4-2-14</u>	Expiration Date: <u>NA</u>
E-mail Address: smatthews@burnettoil.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	Remediation per OCD Rule & Guidelines. SUBMIT REMEDIATION PROPOSAL NO LATER THAN:	

* Attach Additional Sheets If Necessary

5-2-14

2RP-224.3

Appendix B

Initial Sampling Labs

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

April 01, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: JACKSON B-S GAS LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/25/14 15:15.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
JACOB KAMPLAIN
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received:	03/25/2014	Sampling Date:	03/25/2014
Reported:	04/01/2014	Sampling Type:	Soil
Project Name:	JACKSON B-S GAS LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 @ SURFACE (H400885-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2014	ND	1.92	95.9	2.00	14.2	
Toluene*	<0.050	0.050	03/31/2014	ND	1.81	90.7	2.00	13.4	
Ethylbenzene*	<0.050	0.050	03/31/2014	ND	1.75	87.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	03/31/2014	ND	5.10	85.0	6.00	14.3	
Total BTX	<0.300	0.300	03/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	03/28/2014	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	03/27/2014	ND	215	108	200	6.62	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	196	98.2	200	1.52	

Surrogate: 1-Chlorooctane 92.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.5 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/25/2014	Sampling Date:	03/25/2014
Reported:	04/01/2014	Sampling Type:	Soil
Project Name:	JACKSON B-S GAS LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 2 @ SURFACE (H400885-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2014	ND	1.92	95.9	2.00	14.2	
Toluene*	<0.050	0.050	03/31/2014	ND	1.81	90.7	2.00	13.4	
Ethylbenzene*	<0.050	0.050	03/31/2014	ND	1.75	87.7	2.00	14.5	
Total Xylenes*	<0.150	0.150	03/31/2014	ND	5.10	85.0	6.00	14.3	
Total BTX	<0.300	0.300	03/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/28/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	215	108	200	6.62	
DRO >C10-C28	29.3	10.0	03/27/2014	ND	196	98.2	200	1.52	

Surrogate: 1-Chlorooctane 88.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.5 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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 client for analyses. All claims, including those for negligence and 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 claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 shall 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: <i>Kyle Henry</i>		Date: <i>3/25/14</i>	Received By: <i>Jodi Munson</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
		Time: <i>3:15</i>		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:	
		Time:		email results	
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	Knorman@rice-ecs.com	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials) <i>JH</i>	Kjones@riceswd.com; jkamplain@rice-ecs.com hconder@rice-ecs.com;	
		<input type="checkbox"/> Yes <input type="checkbox"/> No		Lweinheimer@rice-ecs.com	
		<input type="checkbox"/> Yes <input type="checkbox"/> No		Khumphrey@rice-ecs.com	
				sedwards@rice-ecs.com, lflores@rice-ecs.com	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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

May 12, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: JACKSON B-5 GAS LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/02/14 16:40.

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

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	05/02/2014	Sampling Date:	05/02/2014
Reported:	05/12/2014	Sampling Type:	Soil
Project Name:	JACKSON B-5 GAS LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: POINT 1 @ 10' (H401357-01)

BTEX 8260B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2014	ND	2.28	114	2.00	2.50	
Toluene*	<0.050	0.050	05/10/2014	ND	2.27	114	2.00	0.752	
Ethylbenzene*	<0.050	0.050	05/10/2014	ND	2.18	109	2.00	0.311	
Total Xylenes*	<0.150	0.150	05/10/2014	ND	6.74	112	6.00	2.10	
Total BTEX	<0.300	0.300	05/10/2014	ND					

Surrogate: Dibromofluoromethane 98.6 % 61.3-142

Surrogate: Toluene-d8 105 % 71.3-129

Surrogate: 4-Bromofluorobenzene 92.9 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	05/09/2014	ND	400	100	400	7.69	

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	05/09/2014	ND	200	100	200	4.31	
DRO >C10-C28	<10.0	10.0	05/09/2014	ND	221	111	200	4.59	

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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 shall 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:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Kyle Schmidt		Time:	Jodi Henson	Fax Result:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:		
		Time:		email results		
Delivered By: (Circle One)		Sample Condition		Knorman@rice-ecs.com jkones@rice-ecs.com		
Sampler - UPS - Bus - Other:		Cool Intact		Kjones@riceswd.com; jkamplain@rice-ecs.com		
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		hconder@rice-ecs.com; Lweinheimer@rice-ecs.com		
		CHECKED BY:				
		Initials:				

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#54

Appendix C

Imported Top Soil Lab

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

October 23, 2014

LAURA FLORES

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: JACKSON B-5 GAS LINE

Enclosed are the results of analyses for samples received by the laboratory on 10/21/14 15:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY
LAURA FLORES
419 W. CAIN
HOBBS NM, 88240
Fax To: (575) 397-1471

Received:	10/21/2014	Sampling Date:	10/21/2014
Reported:	10/23/2014	Sampling Type:	Soil
Project Name:	JACKSON B-5 GAS LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: IMPORTED SOIL (H403230-01)

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	10/22/2014	ND	400	100	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RECS				BILL TO				ANALYSIS REQUEST																					
Project Manager: Laura Flores /				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> <div>Complete Cations/Anions</div> <div>TDS</div> </div>																					
Address: 419 W Cain				Company:																									
City: Hobbs		State: NM		Zip: 88240		Attn:																							
Phone #:		Fax #:		Address:		City:																							
Project #:		Project Owner:		State:		Zip:																							
Project Name: Dupont oil co.				Phone #:																									
Project Location: Jackson D-S Gas line				Fax #:																									
Sampler Name: Joshua Balcom																													
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(G/RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING															
								GROUNDWATER																					
								WASTEWATER																					
								SOIL																					
								OIL																					
								SLUDGE																					
								OTHER :																					
								ACID/BASE:																					
								ICE / COOL																					
								OTHER :																					
												DATE		TIME															
H403230		Imported soil		G		1								10/21/14		9:00													

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 shall 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: 10/21/14		Received By:		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:	
		Time: 13:45		Jodi Benson		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:				email results:			
Delivered By: (Circle One)				Sample Condition		CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other:		40		Cool Intact		JHB			
				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
				<input type="checkbox"/> No <input type="checkbox"/> No					

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#54

Appendix D

Photo Documentation

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

Burnett Oil Jackson B-5 Gas Line

Unit Letter L, Section 13, T17S, R30E



Source of release, facing southwest

3/24/14



Initial release area, facing northeast

3/24/14



Initial release area, facing east

3/24/14



Installing the vertical, facing southeast

5/2/14



Excavating, facing southwest

10/9/14



Continue excavating, facing southeast

10/13/14



Exporting soil, facing northeast

10/16/14



Excavation completed, facing northwest

10/16/14



Excavation completed, facing southeast 10/17/14



Installing liner, facing west 10/19/14



Key set of liner completed, facing northwest 10/19/14



Key set of liner completed, facing south 10/19/14



Importing top soil, facing northwest 10/20/14



Backfilling excavation, facing northwest 10/21/14



Backfilling excavation, facing west 10/23/14



Excavation backfilled, facing northwest 10/24/14



Spreading soil amendments, facing northeast 11/4/14



Tilling in soil amendments, facing north 11/4/14



Seeding site, facing east 11/4/14



Seeding site, facing southwest 11/4/14



Tilling in the seed, facing west

11/4/14



Site completed, facing east

11/4/14



Site completed, facing north

11/4/14



Site completed, facing west

11/4/14

Appendix E

Final C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

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	
Address	801 Cherry St. Unit #9, Fort Worth, TX 76102	Telephone No.	
Facility Name	Jackson B-5 Gas Line	Facility Type	Gas Line
Surface Owner	BLM	Mineral Owner	API No. 30-015-32793

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	13	17S	30E	1730	FSL	1098	FWL	Eddy

Latitude 32.831953 Longitude -103.930483

NATURE OF RELEASE

Type of Release	Oil and Produced Water	Volume of Release	5 bbls	Volume Recovered	0 bbls
Source of Release	Multiple poly lines	Date and Hour of Occurrence	3/24/14 10:30 am	Date and Hour of Discovery	3/24/14 10:30 am
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Burton - BLM		
By Whom?	Jake Kamplain - RECS	Date and Hour	3/24/14 1:05 pm		
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.*

Describe Cause of Problem and Remedial Action Taken.*☐ A rupture in a gas line caused a fire that melted several poly lines, releasing oil and produced water over 9,274 square feet of pasture land. None of this fluid was recovered. The lines were shut down and repaired.

Describe Area Affected and Cleanup Action Taken.*☐ RECS personnel were on site beginning on March 24th, 2014. Surface samples were taken at two points within the release area and field tested for chlorides and organic vapors. Both samples were taken to a commercial laboratory for analysis. Point 1 returned a chloride value of 3,760 mg/kg and Point 2 returned a chloride value of 48 mg/kg. GRO readings, DRO readings and BTEX readings returned values of non-detect, except for the DRO reading at Point 2, which returned a value of 29.3 mg/kg. Based on the surface sampling results, a vertical was installed at Point 1 to determine the depth of chloride contamination. The vertical was installed to a depth of 10 ft bgs, and samples were taken at regular intervals and field tested for chlorides and organic vapors. The 10 ft bgs sample was then taken to a commercial laboratory for analysis. The sample returned a chloride value of 480 mg/kg and GRO, DRO and BTEX results of non-detect. Based on the initial sampling of the site, a CAP was submitted to NMOCD and BLM on May 27th, 2014. NMOCD approved the CAP on June 2nd, 2014. CAP activities began on October 9th, 2014. The site was excavated to 4 ft bgs, and a total of 534 cubic yards of excavated soil was taken to a NMOCD approved facility for disposal. At the base of the excavation, a 20-mil reinforced poly liner was installed and key set. A request to backfill the site was sent to NMOCD and BLM on October 20th, 2014. NMOCD and BLM approved the site to be backfilled on October 21st, 2014. A total of 576 cubic yards of top soil was imported to the site to serve as backfill. A sample of the imported soil was taken to a commercial laboratory and returned a chloride value of non-detect. The site was backfilled with the imported top soil and contoured to the surrounding location. On November 4th, 2014, soil amendments were added to the site, and the site was seeded with LPC mix.

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:		<u>OIL CONSERVATION DIVISION</u>	
Printed Name:		Approved by Environmental Specialist:	
Title:	Approval Date:	Expiration Date:	
E-mail Address:	Conditions of Approval:		Attached <input type="checkbox"/>
Date:	Phone:		

* Attach Additional Sheets If Necessary