

January 30<sup>th</sup>, 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 24<sup>th</sup>, 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 24<sup>th</sup>, 2014. NMOCD received the initial C-141 on March 27<sup>th</sup>, 2014, and approved it on April 2<sup>nd</sup>, 2014 (Appendix A).

RECS personnel were on site beginning on March 24<sup>th</sup>, 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 27<sup>th</sup>, 2014. NMOCD approved the CAP on June 2<sup>nd</sup>, 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 9<sup>th</sup>, 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 20<sup>th</sup>, 2014. NMOCD and BLM approved the site to be backfilled on October 21<sup>st</sup>, 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 4<sup>th</sup>, 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

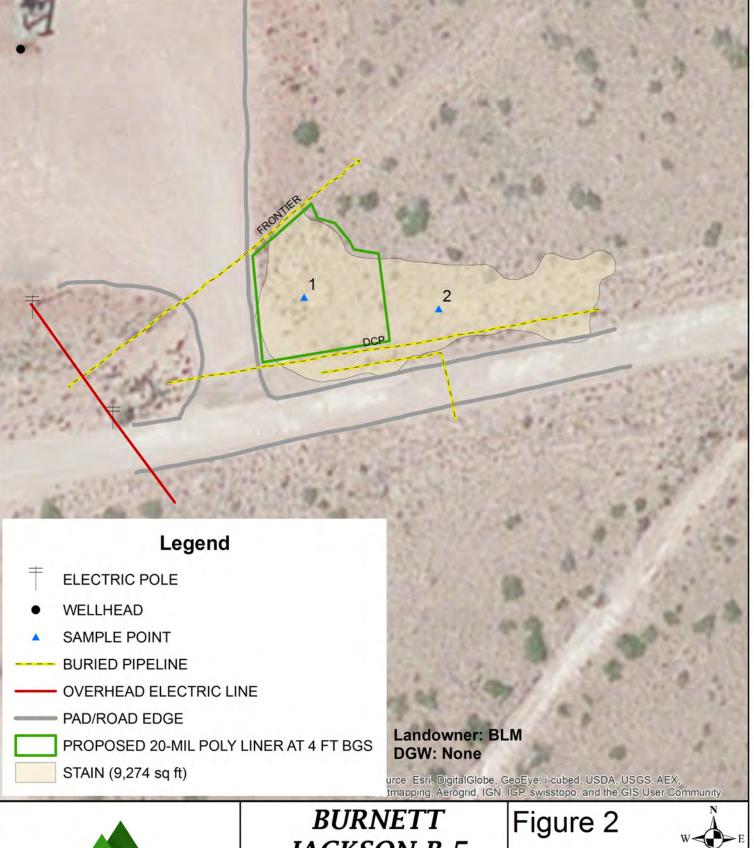
# Figures

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

# Initial Sampling Data

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### **Proposed Corrective Actions**

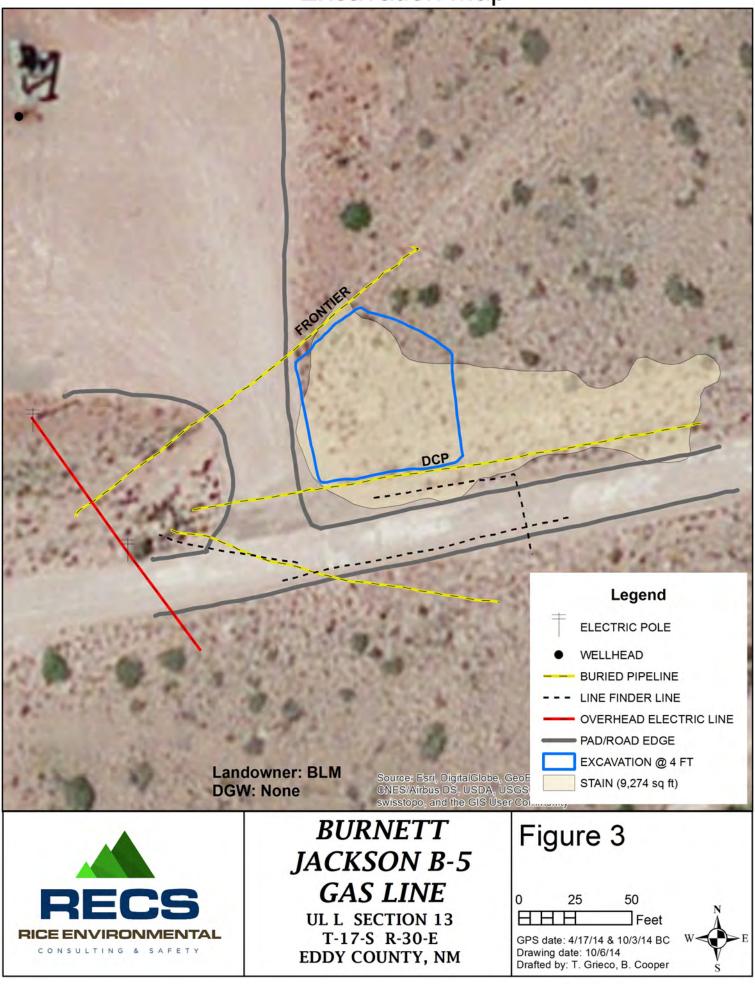




BURNETT JACKSON B-5 GAS LINE UL L SECTION 13 T-17-S R-30-E EDDY COUNTY, NM

IGP, swisstopo, and the GIS L	Jser Community
Figure 2	W S E
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GPS date: 3/24/14 EC Drawing date: 5/22/14 Drafted by: L. Weinheimer	
	0 40 GPS date: 3/24/14 EC Drawing date: 5/22/14

### **Excavation Map**



# Appendix A Initial C-141

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

1220 S. St. Fra	ncis Dr., Sant	ta Fe, NM 8750	5	Sa	nta F	e, NM 875	505					
Release Notification and Corrective Action												
					-	OPERA	TOR	_	🛛 Initi	al Report		Final Report
		urnett Oil C		3080		Contact Sh	awna Matthews	5				
Address P.				No. (575) 322-7	7213							
Facility Na	me Jackso	on B-5 Gas L	ine			Facility Typ	be Gas Line					
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				LOCA	TIO	N OF RE	FASE					
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# 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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. Keine

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)

BTEX 8021B	mg/	kg	Analyze	d 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 BTEX	<0.300	0.300	03/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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	65.2-14	0						
Surrogate: 1-Chlorooctadecane	94.5	63.6-15	4						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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Celey D. Keine

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)

BTEX 8021B	mg/	kg	Analyze	d 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 BTEX	<0.300	0.300	03/31/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.5	63.6-15	1						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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Celey D. Keine

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

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 sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

RDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 202 2226 EAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name:	Recs		10.				100	111	BI	11 70	1				A	NAL	YSIS R	EQUEST			
	: Jacob Kampbell	1					P.0	D. #:													
Address:			Company:									S									
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FOR LAB USE ONLY			Г		MATR	XIX	T	PRE	SERV	SAMPLI	NG	0	6		μ	ete					
Lab I.D. H400895	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SolL	SLUDGE	OTHER :	ACID/BASE:	OTHER :	DATE	TIME					Complete					
1	Pt. 2 @ Surfect	6	1		V				V	J-25-19		X	X	x	-	-					
2	Pt. 2 @ Surfact Pt. 2 @ Surfact	6	1		0	+	-			3-25-14	10:05	X	X	X							
																			_		
			+				-														
			-			+	-	+		-		-							_		
		+	1		1	-	-														

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 whataoever 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 fable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

atiliates or successors arising out of or related to the perform Relinquished By: KALQ Humy Relinquished By:	Detension Rece Timers 15	ived By: Ali ived By:	son	Phone Result:       Yes       No       Add'l Phone #:         Fax Result:       Yes       No       Add'l Fax #:         REMARKS:       Add'l Fax #:       Add'l Fax #:         email results       Knorman@rice-ecs.com       Kjones@riceswd.com; jkamplain@rice-ecs.com hconder@rice-ecs.com;
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact Yes Yes No No	CHECKED BY:	Lweinheimer@rice-ecs.com 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



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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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. Keine

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	Analyze	d 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	% 61.3-14	2						
Surrogate: Toluene-d8	105	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	92.9	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	′kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	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 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	119 9	63.6-15	4						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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Celey D. Keine

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. Keine

Celey D. Keene, Lab Director/Quality Manager

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

RDINAL LABORATORIES

Company Name	(505) 393-2326 FAX (505) 393-24						and a				470					A	ANAL	YSIS F	REQUE	ST		_
Project Manage	F V	ores	5				Ρ.	0. #:							1							
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City: Hobbs	State: NM	Zip	88	240			At	tn:	_								ior					
Phone #:	Fax #:						Ac	idre	SS:								An					
Project #:	Project Owner	:					Ci	ty:	_				S	Σ		포	IS/					
Project Name:			_				St	ate:		2	Zip:		de	15	×	TPH	ior	S				
Project Location	n: # Jackson B-5 gas	- 1	ine	2	_	_	-	one	-	_			Chlorides	801	BTEX	SB	Cations/Anions	TDS				
Sampler Name:	Kyle Schnaidt	_	_	_	MAT		Fa	x #:	ESER	1	SAMPLI		Ē	TPH	B	Texas		F				
FOR LAB USE ONLY		(C)OMP.	ERS	ATER	TT									TF		F	Complete					
Lab I.D.	Sample I.D.	(G)RAB OR	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER :	ACID/BASE	ICE / COOL	OTHER :	DATE	TIME					Col					
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ages. Cardinal's kal ity and client's e dy for any o 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,

Relinquished By: Ky/c Schna.dt	Date: 5-2-14 Time: 40	Received By:	won	Phone Result: Fax Result: REMARKS:	□ Yes □ Yes	⊠ No ⊠ No	Add'I Phone #: Add'I Fax #:
Relinquished By:	Date:	Received By:		email resu	ults		10 0000000
	Time:			Knorman(	@rice-e	CS.CO	m 1 flores Qrice-ecs. co-4
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact	CHECKED BY:				jkamplain@rice-ecs.com n; Lweinheimer@rice-ecs.com

# 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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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. Keine

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	3 mg/k		Analyze	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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Celeg D. Keine

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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ORIES

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B	
A	RDINAL LABORAT

101 East Marland, Hobbs, NM 88240	2111 Beechwood, Abilene, TX 79603
(EOE) 202 2326 EAX (505) 393-2476	(325) 673-7001 FAX (325)673-7020

Company Name: RECS	-	1	/		-				B	114	110					A	NAL	YSIS	REQUES	ST		
Project Manager: Laura Flores /							P.0	). #:														
Address: 419 W Cain							Cor	mpa	ny:								S					
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Project Name: Duncht oil Co.						-	-			-	Lib.		Chlorides	801	BTEX		ti	TDS			1 1	
Project Location: Jackson B-S Gas line							-	one	#:				ō	8	F	Texas	ő	님			1-1	
Sampler Name: Joshua Balcom		_	_		ATRI	~	_	R#:	SEI	PV	SAMPLI	NG	5	F	ш	e l	1.0				1 1	
FOR LAB USE ONLY	a.				1	T				1	Crime L.		1	TPH			let				1 1	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	LICE / COOL	OTHER :	DATE	TIME					Complete					
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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 teceived by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be table for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, nder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: Time: Received By: Date: Time:	Phone Result:       Yes       No       Add'l Phone #:         Fax Result:       Yes       No       Add'l Fax #:         REMARKS:       email results:       hconder@rice-ecs.com; knorman@rice-ecs.com; jkamplain@rice-ecs.com; regans@rice-ecs.com; lflores@rice-ecs.com;
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact Pres Pres No No	Iweinheimer@rice-ecs.com; cursanic@rice-ecs.com environmental tech: jbalcom@rice-ecs.com

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-246

## 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 east

3/24/14



Initial release area, facing northeast

3/24/14



Installing the vertical, facing southeast

5/2/14



Excavating, facing southwest

10/9/14



Exporting soil, facing northeast

10/16/14



Continue excavating, facing southeast 1

10/13/14





Excavation completed, facing southeast

10/17/14





Installing liner, facing west

10/19/14



Key set of liner completed, facing south

10/19/14



Importing top soil, facing northwest

10/20/14



Backfilling excavation, facing west

10/23/14



Backfilling excavation, facing northwest

10/21/14



10/24/14



Spreading soil amendments, facing northeast 11/4/14



Seeding site, facing east

11/4/14



Tilling in soil amendments, facing north

11/4/14



Seeding site, facing southwest

11/4/14



Tilling in the seed, facing west

11/4/14



Site completed, facing north

11/4/14



Site completed, facing east

11/4/14



Site completed, facing west

11/4/14

# Appendix E

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

Oil Conservation Division 1220 South St. Francis Dr.

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

District IV 1220 S. St. Frar	ncis Dr., Santa	a Fe, NM 87505	i	-		st. Franc , NM 875						
			Rele	ease Notific		,		ction				
						OPERAT	<b>TOR</b>	🗌 Initia	l Report	$\boxtimes$	Final Report	
	1 7	Burnett Oil C				Contact	_					
Address Facility Nat		y St. Unit #9 son B-5 Gas		orth, TX 76102		Telephone N Facility Typ						
			Line			racinty Typ	e Gas Lille					
Surface Ow	ner BLN	N		Mineral C	Owner			API No.	30-015-	32793		
	-					N OF REI						
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_ <u>32.83</u>	1953	_ Longitud	e <u>-103.930483</u>					
				NAT	URE	OF RELI	EASE					
Type of Rele		nd Produced V		1 11 4	UILL	Volume of	Release 5 bbl		ecovered			
Source of Release         Multiple poly lines         Date and Hour of Occurrence         Date and Hour of Discovery 3/24/14												
3/24/14         10:30 am           Was Immediate Notice Given?         If YES, To Whom?												
Yes No Not Required Mike Burton - BLM												
By Whom? Was a Water		plain - RECS					our 3/24/14 lume Impacting t	1:05 pm				
was a water	course Read		Yes 🗵	No		II 1125, VC	iune impacting t	ne watercourse.				
If a Waterco	urse was Im	pacted, Descr	ibe Fully.*	*								
water over 9 Describe Are points withir returned a ch values of non installed at P intervals and returned a ch NMOCD and excavated to a 20-mil rein BLM approv of the import and contource I hereby cert regulations a public health should their or the enviro	,274 square a Affected a in the release aloride value in-detect, exc point 1 to del field tested aloride value d BLM on N 4 ft bgs, and forced poly yed the site t ted soil was ad to the sum ify that the i all operators in or the enviro operations h inment. In a	feet of pasture and Cleanup A area and field of 3,760 mg/ cept for the DI termine the de for chlorides of 480 mg/kg (ay 27 <sup>th</sup> , 2014 d a total of 53- liner was inst o be backfilled taken to a cor rounding local nformation gi are required to ronment. The ave failed to a	e land. No Action Tak tested for kg and Po RO reading pth of chl- and organ g and GRO . NMOCI 4 cubic ya alled and 1 d on Octol nmercial 1 tion. On N ven above o report ar acceptance adequately OCD accep	ne of this fluid w ken.*□RECS person chlorides and orginit 2 returned a cl g at Point 2, whice oride contaminati ic vapors. The 10 D, DRO and BTE. D approved the C rds of excavated key set. A request ber 21 <sup>st</sup> , 2014. A aboratory and reture November 4 <sup>th</sup> , 201 is true and compand/or file certain re- te of a C-141 repor-	vas recov sonnel w ganic vaj hloride v h returne on. The 0 ft bgs s X results AP on Ju soil was at to back total of s urned a c 44, soil a blete to th release no ort by the remediate	ered. The lin ere on site be pors. Both sa alue of 48 mg ed a value of 2 vertical was ample was th of non-detec une 2 <sup>nd</sup> , 2014. taken to a NM fill the site w 576 cubic yar chloride value mendments w be best of my potifications ar e NMOCD m e contaminati	es were shut dow ginning on March mples were taken g/kg. GRO readin 29.3 mg/kg. Base installed to a dept en taken to a corr t. Based on the in CAP activities b AOCD approved as sent to NMOC ds of top soil was of non-detect. T vere added to the knowledge and u and perform correct arked as "Final R- on that pose a thro	ted several poly line n and repaired. n 24 <sup>th</sup> , 2014. Surfac to a commercial la ngs, DRO readings a ed on the surface san th of 10 ft bgs, and s umercial laboratory nitial sampling of th began on October 9 <sup>th</sup> facility for disposal. CD and BLM on Oct imported to the sitt the site was backfill <u>site, and the site wa</u> nderstand that pursu- tive actions for rele eat to ground water, responsibility for co	e samples v boratory fo and BTEX mpling resu samples we for analysis e site, a CA <sup>h</sup> , 2014. Th At the bas tober 20 <sup>th</sup> , 2 e to serve a ed with the <u>s seeded w</u> and to NM ases which eve the ope surface wa	were tal r analy: reading ilts, a vo re taken s. The s AP was he site vo se of the 2014. N s backfi import ith LPC OCD ru may er rator of ater, hu	ken at two sis. Point 1 s returned ertical was n at regular sample submitted to was e excavation, NMOCD and ill. A sample sed top soil c mix. ules and ndanger Tiability man health	
							OIL CON	SERVATION	DIVISIO	<u>)N</u>		
Signature: Printed Nam	٥.					Approved by	Environmental S	pecialist:				
Title:						Approval Dat	e:	Expiration I	Date:			
E-mail Addr	ess:					Conditions of			Attached			

Date: Phone: \* Attach Additional Sheets If Necessary