

LINN ENERGY

2130 W. Bender Blvd.
Hobbs, NM 88241
Phone 575.738.1739

Fren #23 (2RP-1453)

Termination Request

API No. 3001528822

Release Date: December 3rd, 2012

Unit Letter O, Section 19, Township 17S, Range 31E

Rice Environmental Consulting & Safety

P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

August 27th, 2013

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
Linn Energy – Fren #23 (2RP-1453)
UL/O sec. 19 T17S R31E
API No. 3001528822**

Mr. Bratcher:

Linn Energy (Linn) has retained and Rice Environmental Consulting & Safety (RECS) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 4.5 miles east of Loco Hills, New Mexico at UL/O sec. 19 T17S R31E in Eddy County, New Mexico. This site is in an area of no known groundwater.

On December 3rd, 2012, the stuffing box on the well head at the Fren #23 leaked releasing 14 barrels of produced water and 4 barrels of oil. A vacuum truck was called to the site and recovered 8 barrels of produced water and 2 barrels of oil. Linn notified NMOCD and BLM of the release on December 4th, 2012 and submitted an initial C-141 to both agencies on December 10th, 2012 (Appendix A).

The release was approximately 2,076 sq ft on the lease pad. The site had already been excavated when RECS arrived to address the site. On July 29th, 2013, RECS personnel met with BLM regarding the path forward for the site. BLM stated that they would like the excavation backfilled with clean soil and place berms around the lease pad to prevent any future releases from reaching the surrounding pasture.

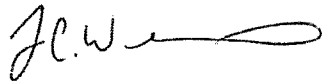
On July 31st, 2013, BLM gave approval to begin backfilling the site. Top soil that was already on location was backfilled into the excavation. A composite sample of the imported soil was taken to a commercial laboratory for analysis and returned a chloride value of 16 mg/kg (Appendix B). Berms were erected around the lease pad to prevent future releases from reaching the surrounding pasture.

Photo Documentation of these activities will be found in Appendix C.

Linn submits the final C-141 and asks for 'remediation termination' of the site or similar closure status (Appendix D).

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,

A handwritten signature in black ink, appearing to read 'J.C.W.' followed by a stylized flourish.

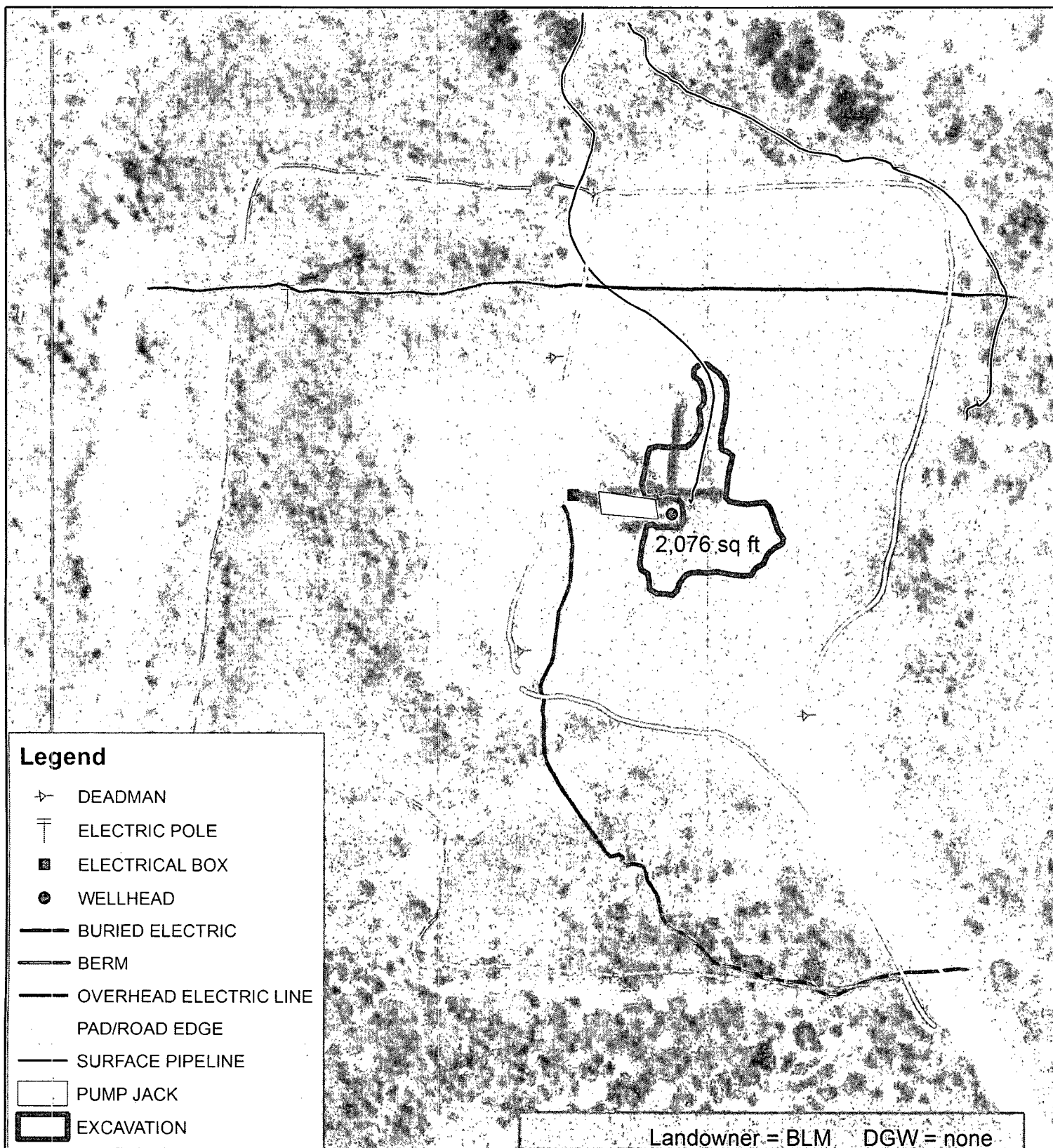
Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure 1 – Site Map
- Appendix A – Initial C-141
- Appendix B – Imported Soil Lab
- Appendix C – Photo Documentation
- Appendix D – Final C-141

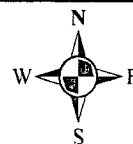
Figures

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



LINN
FREN #23
 LEGALS UL/ O Sec. 19
 T17S - R31E
 EDDY COUNTY, NM
 NMOCD Case #: 2RP-1453

Figure 1



0 30 60
 Feet

GPS date: 8/20/2013 KL
 Drawing date: 8/21/2013
 Drafted by: L. Weinheimer

Appendix A

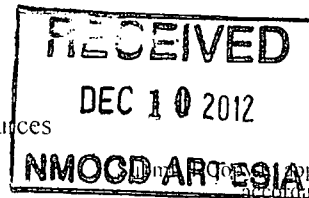
Initial C-141

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
1301 W. Grand Avenue, 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 October 10, 2003

Appropriate District Office in accordance with 19.15.29 NMAC

Release Notification and Corrective Action

JMW 123522-9835

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Linn Operating 269324	Contact: Joe Hernandez
Address: 2130 W. Bender Hobbs, NM 88240	Telephone No.: 575-738-1739
Facility Name: Fren 23	Facility Type: Oil Producer

Surface Owner: Federal	Mineral Owner: Federal	API No.: 3001528822
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LOCATION OF RELEASE

Unit Letter O	Section 19	Township 17S	Range 31E	Feet from the 10	North/South Line South	Feet from the 1475	East/West Line East	County Eddy
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Latitude: 32.8128136385222 Longitude: -103.905305919337

NATURE OF RELEASE

Type of Release: Produced Water / Oil	Volume of Release: 14 bbls / 4 bbls	Volume Recovered: 8 bbls / 2 bbls
Source of Release: Stuffing Box	Date and Hour of Occurrence: 12/3/2012 9:45am	Date and Hour of Discovery: 12/3/2012 10:15am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M. Bratcher- NM OCD Terry Gregston-BLM	
By Whom? Joe Hernandez	Date and Hour 12/04/2012 3pm	
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.*: DROVE TO LOCATION DOING DAILY ROUTINE AND NOTICE OIL ON GROUND COMING OUT OF WELL PACKING, TURN WELL OFF, CALL VACUUM TRUCK TO DO CLEAN UP.

Describe Area Affected and Cleanup Action Taken.*: OIL RAN FROM WELL HEAD E. 30 FT.LONG X 21 FT WIDE. RAN N. 40 FT.LONG X 8 FT. WIDE. RAN W. 18FT LONG X 6 FT WIDE APROX. 18 BBLS WATER AND OIL. ALL FLUID WAS ON PAD. PICKED UP OIL AND WATER OFF OF GROUND AND TOOK IT TO DISPOSAL, ALSO PICKED CONTAMINATED DIRT AND PUT ON PLASTIC ON SIDE OF LOCATION.

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: <i>[Signature]</i>	OIL CONSERVATION DIVISION	
Printed Name: Joe Hernandez	Approved by District Supervisor:	Signed By <i>[Signature]</i>
Title: Production Foreman	Approval Date: DEC 17 2012	Expiration Date:
E-mail Address: jhernandez@linenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/10/2012 Phone: 575-942-9492	Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:	

* Attach Additional Sheets If Necessary

Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:
January 17th 2013

2RP-1453

Appendix B

Imported Soil Lab

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

August 23, 2013

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: LINN FREN #23

Enclosed are the results of analyses for samples received by the laboratory on 07/30/13 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.

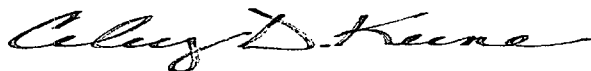
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 07/30/2013
Reported: 08/23/2013
Project Name: LINN FREN #23
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 07/29/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 8 PT. COMP (H301785-05)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/01/2013	ND	2.04	102	2.00	2.20		
Toluene*	<0.050	0.050	08/01/2013	ND	2.05	102	2.00	1.43		
Ethylbenzene*	<0.050	0.050	08/01/2013	ND	2.15	108	2.00	0.897		
Total Xylenes*	<0.150	0.150	08/01/2013	ND	6.63	110	6.00	1.41		
Total BTEX	<0.300	0.300	08/01/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 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	16.0	16.0	07/31/2013	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2013	ND	179	89.5	200	0.282	
DRO >C10-C28	<10.0	10.0	07/31/2013	ND	182	91.1	200	2.60	

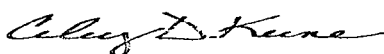
Surrogate: 1-Chlorooctane 83.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 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

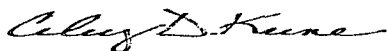
Notes and Definitions

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Linn Energy</u>		BILL TO		ANALYSIS REQUEST																							
Project Manager:		P.O. #:																									
Address:		Company:																									
City:	State:	Zip:	Attn:																								
Phone #:	Fax #:	Address:																									
Project #:	Project Owner:		City:																								
Project Name:		State:														Zip:											
Project Location: <u>Max Friess Supply Line AD</u>		Phone #:																									
Sampler Name: <u>Chris Flores</u>		Fax #:																									
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	TPH	BTEX										
H301785																											
1	Pl. 6 @ 3'	G	1			✓							7-29-2017	9:25	✓	✓	✓										
2	Pl. 6 @ 5'	G	1			✓							7-29-2017	10:30	✓	✓	✓										
3	Pl. 6 @ 8'6"	G	1			✓							7-29-2017	11:15	✓	✓	✓										
4	Pl. 6 @ 9'	G	1			✓							7-29-2017	11:25	✓	✓	✓										
5	8 Point Composite													2:00													

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: <u>7-30-2017</u>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<u>Chris Flores</u>	Time: <u>5:10</u>	<u>Joel Benson</u>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		JKamplain Iweinheimer cflores	
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool <input type="checkbox"/> Intact <input type="checkbox"/>	<u>Joel Benson</u>	
		Yes <input type="checkbox"/> No <input type="checkbox"/>		

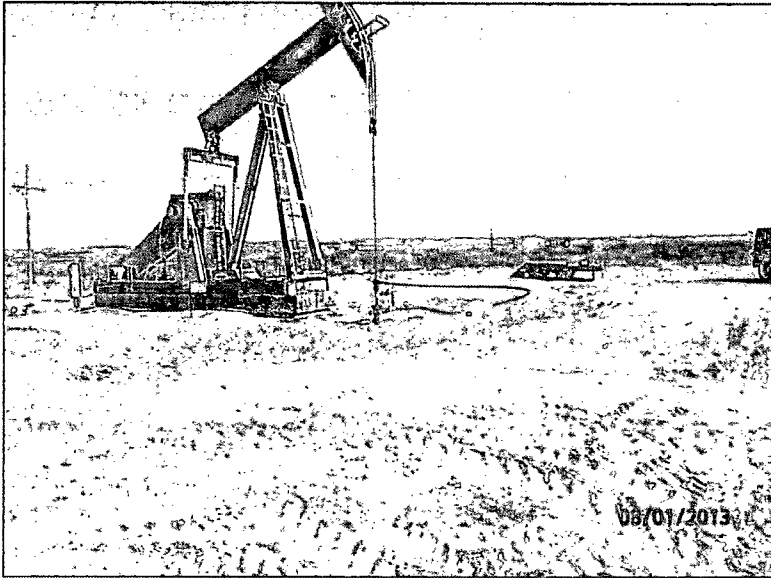
Appendix C

Photo Documentation

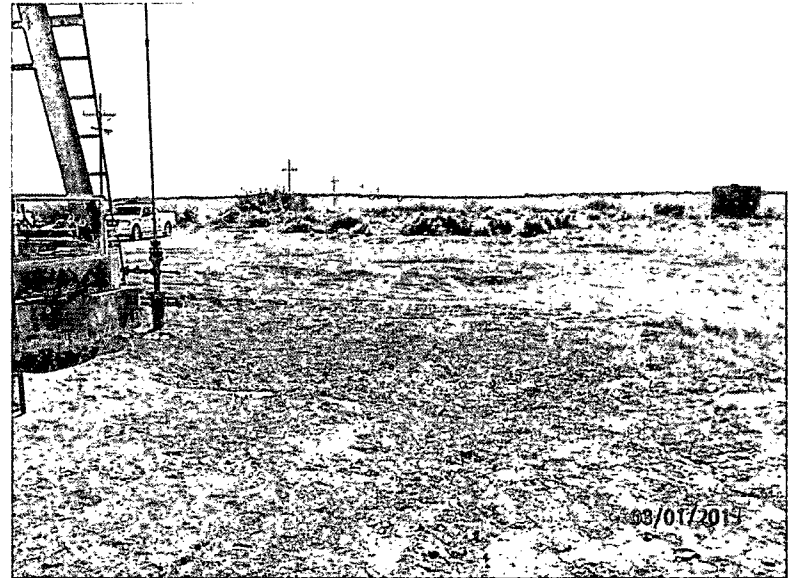
RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

Linn Fren #23

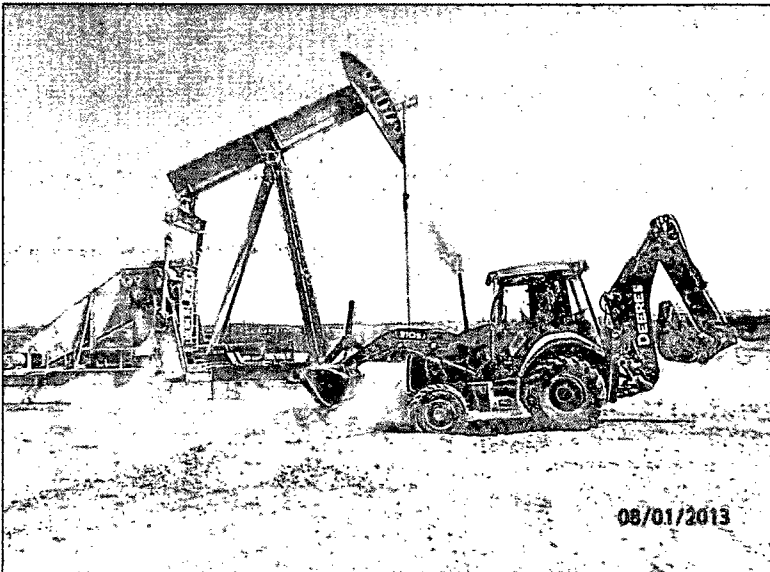
Unit Letter O, Section 19, T17S, R31E



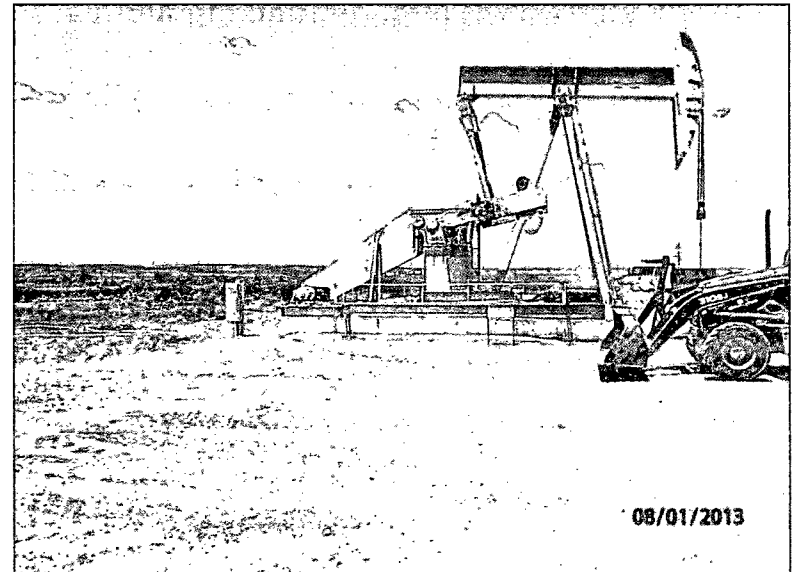
Initial site photo after initial excavation, facing north west 8/1/13



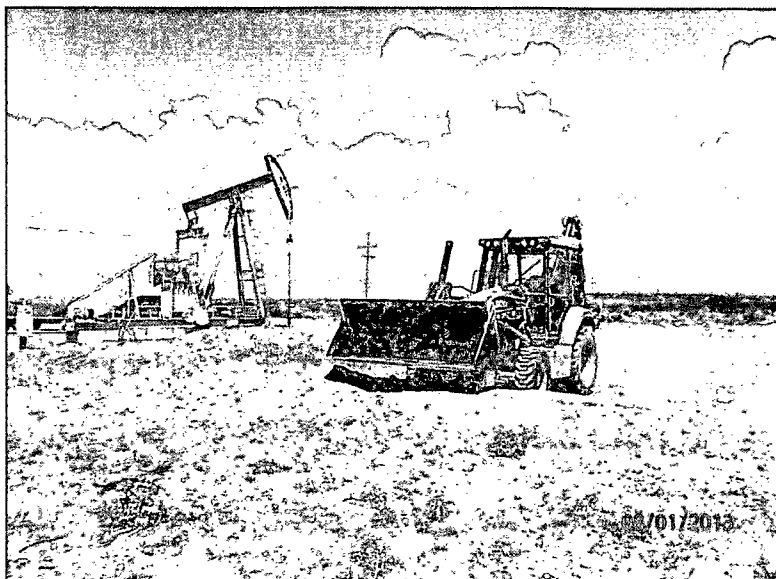
Initial site photo after initial excavation, facing east 8/1/13



Backfilling excavation, facing north 8/1/13

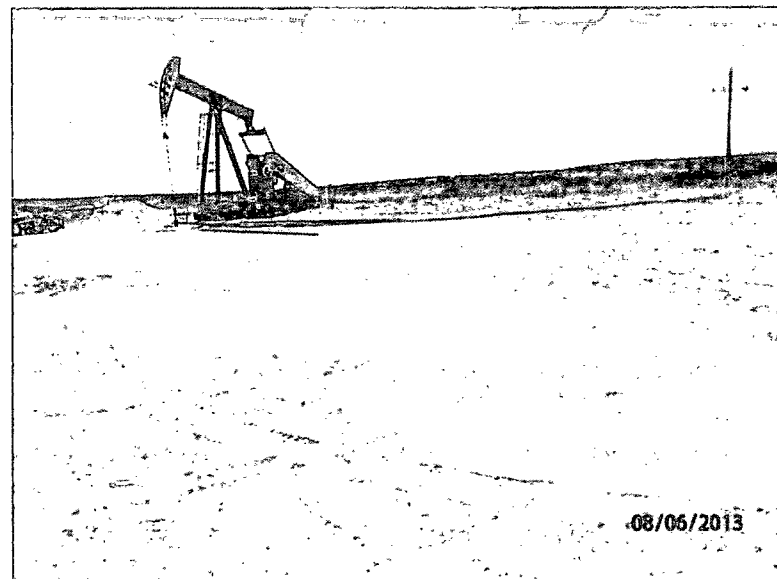


Backfilling of excavation completed, facing NW 8/1/13



Creating berms, facing northeast

8/1/13



Site completed, facing southwest

8/6/13

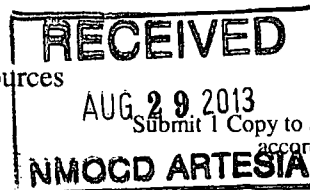
Appendix D

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Linn Energy	Contact Brian Wall	
Address 2130 W. Bender Blvd., Hobbs, NM 88240	Telephone No. (806) 367-0645	
Facility Name Fren 23	Facility Type Oil Producer	
Surface Owner BLM	Mineral Owner BLM	API No. 300152882

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	19	17S	31E	10	FSL	1475	FEL	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced water/oil	Volume of Release 14 bbls/4 bbls	Volume Recovered 8 bbls/2 bbls
Source of Release Stuffing box	Date and Hour of Occurrence 12/3/12 9:45 am	Date and Hour of Discovery 12/3/12 10:15 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? M Bratcher - NMOC D Terry Gregston - BLM	
By Whom? Joe Hernandez	Date and Hour 12/4/12 3:00 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.*

During a routine check of site, Linn noticed oil on the ground coming out of the well packing. The well was turned off. A vacuum truck was called to site to pick up standing fluid and take it to disposal. The contaminated soil was placed on plastic at the side of the location.

Describe Area Affected and Cleanup Action Taken.*

The entire release was on the pad. The release was approximately 2,076 sq ft on the lease pad. The site had already been excavated when RECS arrived to address the site. On July 29th, 2013, RECS personnel met with BLM regarding the path forward for the site. BLM stated that they would like the excavation backfilled with clean soil and place berms around the lease pad to prevent any future releases from reaching the surrounding pasture. On July 31st, 2013, BLM gave approval to begin backfilling the site. Top soil that was already on location was backfilled into the excavation. A composite sample of the imported soil was taken to a commercial laboratory for analysis and returned a chloride value of 16 mg/kg. Berms were erected around the lease pad to prevent future releases from reaching the surrounding pasture.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC D 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 NMOC D 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, NMOC D 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: Brian Wall	Approved by Environmental Specialist:		
Title: Production Foreman	Approval Date:	Expiration Date:	
E-mail Address: Bwall@linenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date:	Phone: (806) 367-0645		

* Attach Additional Sheets If Necessary

2RP-1453