

CONSULTING & SAFETY PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

June 11th, 2014

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 Company – Gissler B-2 Battery
(2RP-2242)
UL/I&J sec. 23 T17S R30E
API No. Lease # NMNM2748

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 1 3 2014

RECEIVED

Mr. Bratcher:

Burnett Oil Company (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 2.5 miles east of Loco Hills, New Mexico at UL/I&J sec. 23 T17S R30E. This site is located in close proximity to two areas of no known groundwater. This indicates the probability of no groundwater being encountered beneath this site (Figure 1).

On December 22th, 2013, Burnett discovered a release of oil and produced water from a faulty fire tube gasket, spraying over 29,789 square feet of lease pad, caliche road and pasture land. The gasket was replaced and an initial C-141 was signed on January 27th, 2014 and approved by NMOCD on April 2nd, 2014 (Appendix A).

RECS obtained this site from another environmental company. That company submitted a Revised Work Plan on January 10th, 2014 to BLM and NMOCD, and that work plan was approved. RECS, therefore, was contracted to complete the actions as described in the approved Work Plan.

RECS personnel were on site beginning February 24th, 2014, to assess the release, and remediation activities began at the site on March 7th, 2014. The release area was scraped down as shown in Figure 2. Bottom composite samples were collected from the base of each scrape and field tested for chlorides and organic vapors. The composite samples were then taken to a commercial laboratory for analysis and all samples returned values below regulatory standards for chlorides, TPH and BTEX (Appendix B). A total of 406 cubic yards of contaminated soil was taken to a NMOCD approved facility for disposal. A total of 188 cubic yards of caliche and 252 cubic yards of top soil were imported to the

site to serve as backfill. A 5 point composite sample of the imported soil was taken to a commercial laboratory and returned a laboratory chloride reading of non-detect. On April 16^{th} , 2014, the site was backfilled with the clean, imported soils and contoured to the surrounding area. On May 2^{nd} , 2014, the pasture area was seeded BLM LPC mix.

Photo documentation of these activities can be found in Appendix C.

Given that chloride levels fell below regulatory standards at 3 in, 6 in and 1 ft bgs at the three scrapes, and Burnett has removed the contaminated soil and replaced it with clean, imported soil, Burnett respectfully requests 'remediation termination' and site closure. A final C-141 can be found in 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,

Lara Weinheimer

Project Scientist

RECS

(575) 441-0431

Attachments:

Figure 1–Groundwater Study

Figure 2 – Excavation Data

Appendix A – Initial C-141

Appendix B – Laboratory Analyses

Appendix C – Photo Documentation

Appendix D – Final C-141

Figures

Depth to Groundwater

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Burnett Oil Co. Gissler B-2 Battery

LEGALS: UL/I&J sec. 23 T-17-S R-30-E EDDY COUNTY, NM

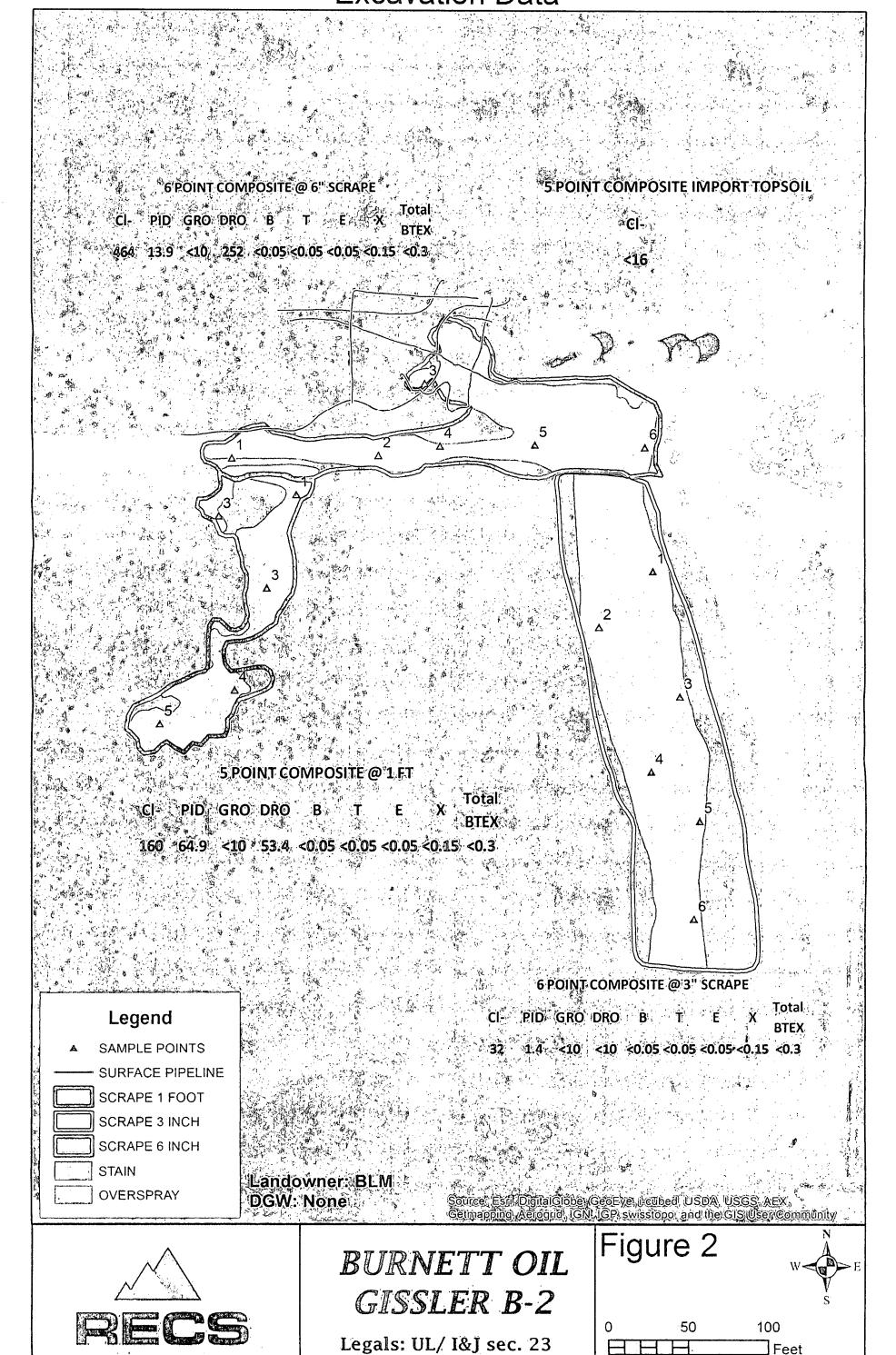
Figure 1



0.25 0.5 ☐ Miles

Drawing date: 4/14/14 Drafted by: L. Flores

Excavation Data



T-17-S R-30-E

EDDY COUNTY, NM

CONSULTING & SAFETY

GPS Date: 3/28/14, 4/1/14 KS Drawing date: 4/14/14

Drafted by: L. Flores

Appendix A Initial C-141

District 1
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Ariesia, 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
ubmit 1 Copy to appropriate District Office in

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.

			Rele	ease Notifica	tion and C	orrective A	etion,			
•			•		OPERA	TOR	X	Initial Repor	t :Fi	Final Report
Name of Co	ompany .Bi	urnett Oil C	o. Inc.		Contact	Belton Mathey				
Address 80	1 Cherry S	Street, Fort	Worth, 1	X 76102		No. 817-332-5	108			
Facility Na	me Gissle	r. B 2 Batter	у		Facility T	pe Battery				
Surface Ow	mer BLM			.' Minéral Ow	ner BLM		AP	i No. Lease	# NMN	M2748
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See attached	d work plan.									
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Title: Regula	atory Coordinat	or .			Approval f	atés:	Expire	ition Date:		
E-mail Ádd	ress: lgarvis@	burnettoil.com			Conditions	of Approyal;		Attac	hed 🔲	,
'Date: 1/27/14	4		Phone	817-332-5108						

^{*} Attach Additional Sheets If Necessary

Appendix B Laboratory Analyses



April 11, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: GISSLER B-2

Enclosed are the results of analyses for samples received by the laboratory on 04/04/14 16:05.

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 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.

Celey D. Keene

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



RICE ENVIRONMENTAL CONSULTING & SAFETY JACOB KAMPLAIN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/04/2014

Reported:

04/11/2014 GISSLER B-2

Project Name:

Project Number: NONE GIVEN Project Location: **BURNETT**

Sampling Date:

03/28/2014

Sampling Type:

Soil ,

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: 5 PT. COMP @ 1' EXC (H401037-01)

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	04/10/2014	ND	2.26	113	2.00	1.13	
Toluene*	<0.050	0.050	04/10/2014	ND	2.14	107	2.00	0.355	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.05	103	2.00	0.697	
Total Xylenes*	< 0.150	0.150	04/10/2014	ND	5.94	99.0	6.00	1.24	
Total BTEX	<0.300	0.300	04/10/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 %	6 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	160	16.0	04/10/2014	ND	400	100	400	3.92	
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	04/09/2014	ND	193	96.7	200	1.58	
DRO >C10-C28	53.4	10.0	04/09/2014	ND	207	103	200	2.36	
Surrogate: 1-Chlorooctane	115 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	107 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damagoes. Cardnal'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 needigence 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 ansing 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. Keine



RICE ENVIRONMENTAL CONSULTING & SAFETY JACOB KAMPLAIN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/04/2014

Sampling Date:

04/04/2014

Reported:

04/11/2014

Sampling Type:

Soil

Project Name:

GISSLER B-2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

BURNETT

Sample ID: 6 PT. COMP @ 3" SCRAPE (H401037-02)

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	04/10/2014	ND	2.26	113	2.00	1.13	
Toluene*	< 0.050	0.050	04/10/2014	ND	2.14	107	2.00	0.355	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.05	103	2.00	0.697	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	5.94	99.0	6.00	1.24	
Total BTEX	<0.300	0.300	04/10/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	115 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/10/2014	ND	400	100	400	3.92	
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	04/09/2014	ND	193	96.7	200	1.58	
DRO >C10-C28	<10.0	10.0	04/09/2014	ND	207	103	200	2.36	
Surrogate: 1-Chlorooctane	114 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	105 %	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keene



RICE ENVIRONMENTAL CONSULTING & SAFETY JACOB KAMPLAIN 419 W. CAIN

HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/04/2014

. .

Sampling Date:

04/04/2014

Reported:

04/11/2014

Sampling Type:

Soil

Project Name:

GISSLER B-2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

BURNETT

Sample ID: 6 PT. COMP @ 6" SCRAPE (H401037-03)

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	04/10/2014	ND	2.26	113	2.00	1.13	
Toluene*	<0.050	0.050	04/10/2014	ND	2.14	107	2.00	0.355	
Ethylbenzene*	<0.050	0.050	04/10/2014	ND	2.05	103	2.00	0.697	
Total Xylenes*	<0.150	0.150	04/10/2014	ND	5.94	99.0	6.00	1.24	
Total BTEX	<0.300	0.300	04/10/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	04/10/2014	ND	400	100	400	3.92	
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	04/09/2014	ND	193	96.7	200	1.58	
DRO >C10-C28	252	10.0	04/09/2014	ND	207	103	200	2.36	
Surrogate: 1-Chlorooctane	103	% 65.2-14	0					-	
Surrogate: 1-Chlorooctadecane	98.7	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keena



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL 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

Company Name	RECS				5. 7.	10	ଃ	ILL TO	dason on	- E-X		·····		ANAI	LYSIS	RE	QUE	ST		 ***************************************
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[†] Cardinal cannot accept verbal changes: Please fax written changes to 505-393:247#



April 11, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: GISSLER B-2

Enclosed are the results of analyses for samples received by the laboratory on 04/09/14 16:35.

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 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 \

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celes D. Keena

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



RICE ENVIRONMENTAL CONSULTING & SAFETY

JACOB KAMPLAIN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/09/2014

Sampling Date:

04/09/2014

Reported:

04/11/2014

Sampling Type:

Soil

Project Name:

GISSLER B-2

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

BURNETT

Sample ID: 5 PT COMP IMPORT TOPSOIL (H401083-01)

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP			_		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/11/2014	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, 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 whistoewer 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 claims 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. Kune



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 & Keene

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL 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

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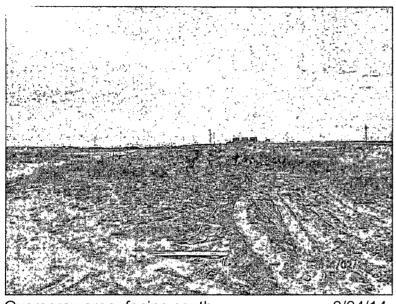
[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



Appendix C Photo Documentation

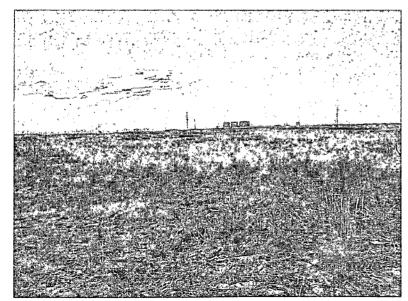
Burnett Gissler B-2 Battery

Unit Letter I&J Section 23, T17S, R30E



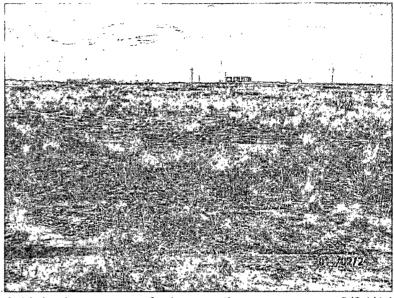
Overspray area, facing south

2/24/14



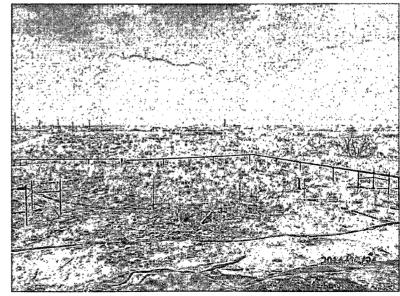
Initial release area, facing southwest

2/24/14



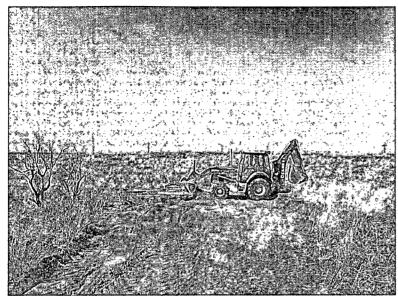
Initial release area, facing south

2/24/14



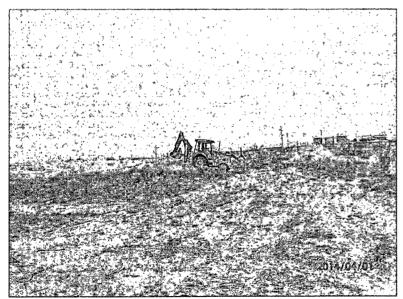
Initial release area, facing northwest

2/24/14

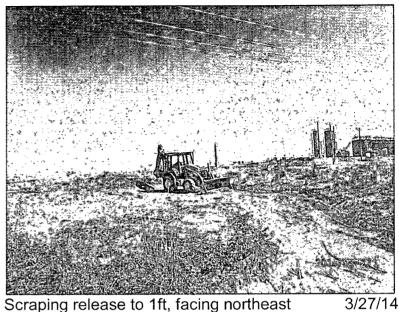


Scraping release to 6 in, facing west

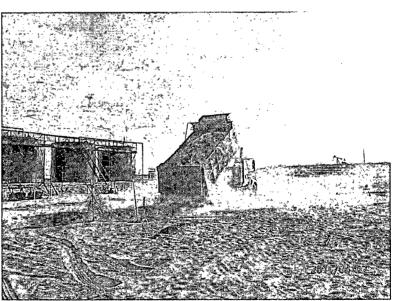
3/26/14



Scraping release to 3 in, facing south

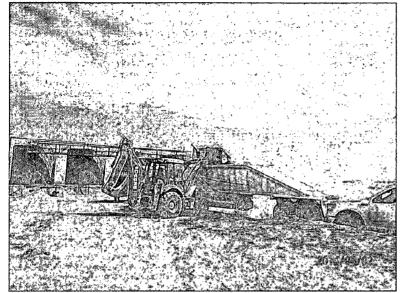


Scraping release to 1ft, facing northeast

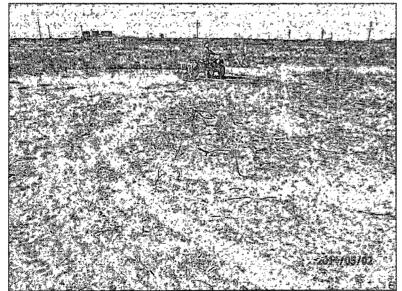


Importing caliche, facing northeast

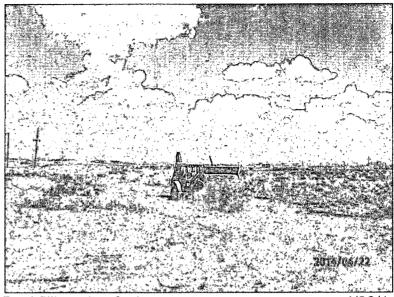
4/2/14



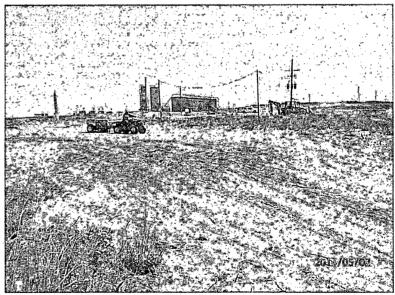
Exporting soil, facing north



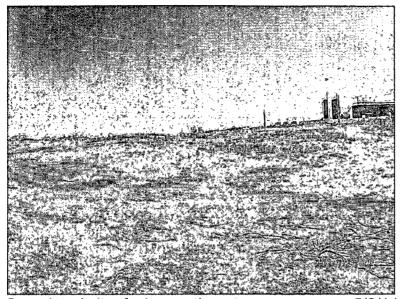
Preparing seed bed by tilling, facing west 5/2/14



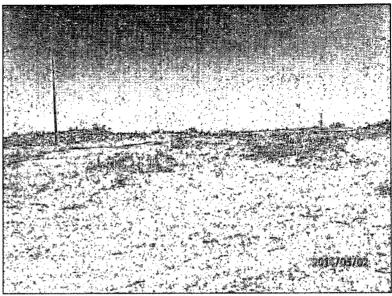
Backfilling site, facing west 4/22/14



Seeding site, facing east



Completed site, facing northeast 5/2/14



Completed site, facing west 5/2/14

Appendix D Final C-141

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV

1220 S. St. Francis Dr., Santa Fc, 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 Fc, NM 87505

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

Name of Company Burnett Oil Co. Inc. Address 801 Cherry Street, Fort Worth, TX 76102 Facility Name Gissler B 2 Battery Surface Owner BLM Mineral Owner BLM API No. Lease # NMNM27 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County 23 17S 30E NEI/4SE1/4 EDDY	al Report													
Address 801 Cherry Street, Fort Worth, TX 76102 Facility Name Gissler B 2 Battery Surface Owner BLM Mineral Owner BLM API No. Lease # NMNM27 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County	40													
Facility Name Gissler B 2 Battery Surface Owner BLM Mineral Owner BLM API No. Lease # NMNM27 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County	40													
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LatitudeLongitude														
Type of Release Petroleum/Water Mix Volume of Release Minimal Spray Volume Recovered None														
Type of Release Petroleum/Water Mix Volume of Release Minimal Spray Volume Recovered None														
Source of Release Faulty Fire Tube Gasket Date and Hour of Occurrence Date and Hour of Discovery 12/22/13 2:30 am														
Was Immediate Notice Given? Yes No Not Required If YES, To Whom?														
By Whom? Night Watchman. Staff Responded Date and Hour 1/22/2013 3:00 am														
Was a Watercourse Reached? Yes No If YES, Volume Impacting the Watercourse.														
If a Watercourse was Impacted, Describe Fully.*														
Describe Cause of Problem and Remedial Action Taken.* Faulty Fire Tube Gasket. Switched to test heater in order to replace fire tube gasket.														
this site from another environmental company. That company submitted a Revised Work Plan on January 10 th , 2014 to BLM and NMOCD, and the plan was approved. RECS, therefore, was contracted to complete the actions as described in the approved Work Plan. RECS personnel were on since beginning February 24 th , 2014, to assess the release, and remediation activities began at the site on March 7 th , 2014. The release area was scraped distincted 3 inches, 6 inches and 1 foot as needed. Bottom composite samples were collected from the base of each scrape and field tested for chlorides and or vapors. The composite samples were then taken to a commercial laboratory for analysis and all samples returned values below regulatory standards chlorides, TPH and BTEX. A total of 406 cubic yards of contaminated soil was taken to a NMOCD approved facility for disposal. A total of 188 or yards of caliche and 252 cubic yards of top soil were imported to the site to serve as backfill. A 5 point composite sample of the imported soil was a commercial laboratory and returned a laboratory chloride reading of non-detect. On April 16 th , 2014, the site was backfilled with the clean, imposoils and contoured to the surrounding area. On May 2 nd , 2014, the pasture area was seeded BLM LPC mix.	te own to rganic for cubic taken to													
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 a regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endang 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 liab should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any oth federal, state, or local laws and/or regulations.	ger ility health													
Signature: Shauno Matthews OIL CONSERVATION DIVISION														
Printed Name: Shawa Matthews Approved by Environmental Specialist:														
Title: Sr. Production Tech Approval Date: Expiration Date:														
E-mail Address: Smatthews Chumettoilom Conditions of Approval: Attached														
Date: 6/11-20/4 Phone: 57.5-219-														

NM OIL CONSERVATION

ARTESIA DISTRICT

JUN 1 8 2014