

From: Johnny Titsworth
To: [Bratcher, Mike, EMNRD](#); [Patterson, Heather, EMNRD](#); [Tucker, Shelly](#)
Cc: [Kyle Adams](#); [Leslie Garvis](#)
Subject: Jackson B 30 WIW
Date: Friday, November 18, 2016 11:05:12 AM
Attachments: 6113011 PBELSTD_NELAC_COC_PDF_NEW.rev1 (1) FINAL 09 19 16 1537 (1).pdf
JB 30 Work Plan.pdf

All

Attached is the work plan and the analytical for the Jackson B 30 WIW. If there are any questions or concerns, feel free to contact us.

Johnny Titsworth
HSE COORDINATOR

BURNETT OIL CO., INC.
P.O. Box 188
CR 220 North
Loco Hills, NM 88255
MOBILE: (432)-425-2891
EMAIL: jtitsworth@burnettoil.com

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November 18, 2016

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

RE: Corrective Action Plan
Burnett Oil Co., Inc. – Jackson B 30 WIW
UL/N sec. 1 T17S R30E

Mr. Bratcher

The above location is located approximately 2 miles northeast of Loco Hills, New Mexico at UL/N sec.1 T17S R30E. The site is located in an area of no known groundwater.

On April 28, 2016, a release of 60 barrels of total fluid was discovered. The release occurred when a steel injection line coming into the well ruptured and come to surface. The release impacted a 165'x40'-20" area on the pad and various locations in the pasture area surrounding the pad location (API # 30-015-21386). The BLM and the NMOCD were both notified of the release on April 28, 2016 with the initial C-141 being filed on the same day.

Corrective Action Plan

To remediate the impacted soil, Burnett Oil Co., Inc. has hired Aspen Grow LLC. to apply their Detox chloride bonding agents to the impacted area in the pasture. The Detox remediation bonding agents will be applied with water and aid in the remediation of the impacted soil, as well as help move the chlorides 3' below surface level. There will be four applications of the bonding agents in each installation. After each installment of bonding agents, Burnett Oil Co., Inc. will collect samples for verification of remediation success. Once the hydrocarbons chlorides have been remediated and/or pushed below the root zone below and analytical is below regulatory standards the impacted pasture area will be reseeded with BLM #2 seed mix. The area will then be observed until sufficient regrowth occurs.



November 18, 2016

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

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

Sincerely,

A handwritten signature in blue ink, appearing to read 'JT', is written over a horizontal line.

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

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

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Burnett Oil Co., Inc	Contact	Leslie Garvis
Address	801 Cherry Street, Ste 1500, Fort Worth, Texas 76102	Telephone No.	817-583-8730
Facility Name	Jackson B 30	Facility Type	WIW
Surface Owner	BLM	Mineral Owner	BLM
		API No.	30-015-21386

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	1	17S	30E	660	South	1980	West	Eddy

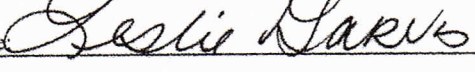
Latitude 32.85804 Longitude -103.92752

NATURE OF RELEASE

Type of Release	Oil/Water	Volume of Release	3 BO/57 BW	Volume Recovered	0 BO/0 BW
Source of Release	Steel injection line corroded & released fluid	Date and Hour of Occurrence	Date and Hour of Discovery 4/28/16/0800		
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required		If YES, To Whom? Phone Call to BLM - S. Tucker, OCD - H. Patterson		
By Whom?	Leslie Garvis	Date and Hour	4/28/16 approx 1500		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If YES, Volume Impacting the Watercourse. N/A		
If a Watercourse was Impacted, Describe Fully.* N/A					
Describe Cause of Problem and Remedial Action Taken.* Steel Injection line corroded and release fluid. Line has been repaired and put back into service.					
Describe Area Affected and Cleanup Action Taken.* Please see attached diagram for description of areas on and off the pad that were impacted. The impacted area will be assessed and remediated per regulatory standards.					

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.

OIL CONSERVATION DIVISION

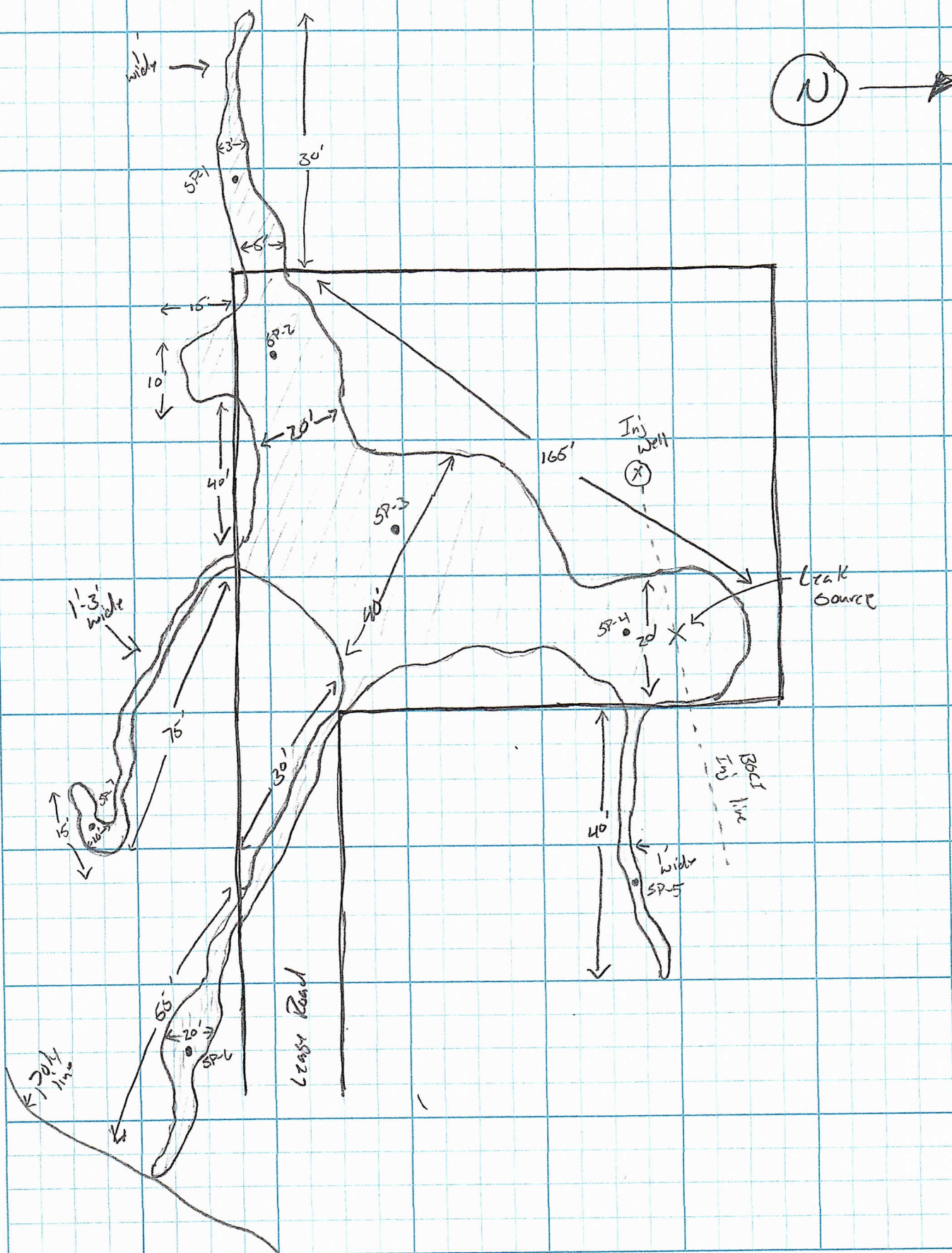
Signature: 	Approved by Environmental Specialist:		
Printed Name: Leslie Garvis	Approval Date:		
Title: Regulatory Coordinator	Expiration Date:		Attached <input type="checkbox"/>
E-mail Address: lgarvis@burnettoil.com	Conditions of Approval:		
Date: 5/2/16	Phone: 817-583-8730		

* Attach Additional Sheets If Necessary

4/28/16

N 32.85804
W -103.92752

API #
30-015-21386

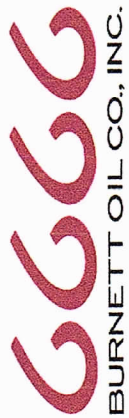




Location: Jackson B 30 WIW Page: 1

Table 1 - Analytical Results

Date	Sample ID	Depth	Chloride	TPH - GRO	TPH - DRO	Benzene	Toluene	ethylbenzene	Xylene	BTEX
9/13/2016	SP-1	0-1'	1390							
		1'-1.5'	3480							
		2'-2.5'	4970							
		3'-3.5'	6910							
		4'-4.5'	15,900							
		5'-5.5'	15,700							
	SP-2	0-1'	2760							
		1'-1.5'	2180							
		2'-2.5'	2090							
		3'-3.5'	2610							
		4'-4.5'	2890							
		5'-5.5'	5440							



Location: Jackson B 30 WIW Page: 2

Table 1 - Analytical Results

Date	Sample ID	Depth	Chloride	TPH - GRO	TPH - DRO	Benzene	Toluene	ethylbenzene	Xylene	BTEX
9/16/2016	SP-2	6'-6.5'	4760							
	SP-3	0-1'	2430							
		1'-1.5'	2710							
		2'-2.5'	929							
		3'-3.5'	1450							
		4'-4.5'	1280							
		5'-5.5'	464							
		6'-6.5'	408							
	SP-4	0-1'	3770							
		1'-1.5'	2960							
		2'-2.5'	3030							
		3'-3.5'	3160							



Location: Jackson B 30 WIW Page: 3

Table 1 - Analytical Results

Date	Sample ID	Depth	Chloride	TPH - GRO	TPH - DRO	Benzene	Toluene	ethylbenzene	Xylene	BTEX
9/16/2016	SP-4	4'-4.5'	3250							
		5'-5.5'	3510							
		6'-6.5'	4030							
	SP-5	0-1'	46							
		1'-1.5'	35							
		2'-2.5'	37							
		3'-3.5	213							
		4'-4.5	1030							
		5'-5.5'	485							
	SP-6	0-1'	488							
		1'-1.5'	1940							
		2'-2.5'	3750							



Location: Jackson B 30 WIW Page: 4

Table 1 - Analytical Results

Date	Sample ID	Depth	Chloride	TPH - GRO	TPH - DRO	Benzene	Toluene	ethylbenzene	Xylene	BTEX
9/16/2016	SP-6	3'-3.5'	4730							
		4'-4.5	4310							
		5'-5.5'	316							
	SP-7	0-1'	18							
		1'-1.5'	10							
		2'-2.5	532							
		3'-3.5'	2700							
		4'-4.5	1630							
		5'-5.5'	329							
		6'-6.5'	217							

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Johnny Titsworth
Burnett Oil Company, Inc.
24 Smith Road Suite 100
Midland, TX 79705

Project: Jackson 'B' -30
Project Number: [none]
Location: Loco Hills ,NM
Lab Order Number: 6I13011



NELAP/TCEQ # T104704156-16-6

Report Date: 09/19/16

Burnett Oil Company, Inc.
24 Smith Road Suite 100
Midland TX, 79705

Project: Jackson 'B' -30
Project Number: [none]
Project Manager: Johnny Titsworth

Fax:

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP1 (0-1.0)	6I13011-01	Soil	09/13/16 11:15	09-13-2016 11:15
SP1 (1-1.5)	6I13011-02	Soil	09/13/16 11:15	09-13-2016 11:15
SP1 (2-2.5)	6I13011-03	Soil	09/13/16 11:15	09-13-2016 11:15
SP1 (3-3.5)	6I13011-04	Soil	09/13/16 11:15	09-13-2016 11:15
SP1 (4-4.5)	6I13011-05	Soil	09/13/16 11:15	09-13-2016 11:15
SP1 (5-5.5)	6I13011-06	Soil	09/13/16 11:15	09-13-2016 11:15
SP2 (0-1.0)	6I13011-07	Soil	09/13/16 11:15	09-13-2016 11:15
SP2 (1-1.5)	6I13011-08	Soil	09/13/16 11:15	09-13-2016 11:15
SP2 (2-2.5)	6I13011-09	Soil	09/13/16 11:15	09-13-2016 11:15
SP2 (3-3.5)	6I13011-10	Soil	09/13/16 11:15	09-13-2016 11:15
SP2 (4-4.5)	6I13011-11	Soil	09/13/16 11:15	09-13-2016 11:15
SP2 (5-5.5)	6I13011-12	Soil	09/13/16 11:15	09-13-2016 11:15
SP2 (6-6.5)	6I13011-13	Soil	09/13/16 11:15	09-13-2016 11:15
SP3 (0-1.0)	6I13011-14	Soil	09/13/16 11:15	09-13-2016 11:15
SP3 (1-1.5)	6I13011-15	Soil	09/13/16 11:15	09-13-2016 11:15
SP3 (2-2.5)	6I13011-16	Soil	09/13/16 11:15	09-13-2016 11:15
SP3 (3-3.5)	6I13011-17	Soil	09/13/16 11:15	09-13-2016 11:15
SP3 (4-4.5)	6I13011-18	Soil	09/13/16 11:15	09-13-2016 11:15
SP3 (5-5.5)	6I13011-19	Soil	09/13/16 11:15	09-13-2016 11:15
SP3 (6-6.5)	6I13011-20	Soil	09/13/16 11:15	09-13-2016 11:15
SP4 (0-1.0)	6I13011-21	Soil	09/13/16 11:15	09-13-2016 11:15
SP4 (1-1.5)	6I13011-22	Soil	09/13/16 11:15	09-13-2016 11:15
SP4 (2-2.5)	6I13011-23	Soil	09/13/16 11:15	09-13-2016 11:15
SP4 (3-3.5)	6I13011-24	Soil	09/13/16 11:15	09-13-2016 11:15
SP4 (4-4.5)	6I13011-25	Soil	09/13/16 11:15	09-13-2016 11:15
SP4 (5-5.5)	6I13011-26	Soil	09/13/16 11:15	09-13-2016 11:15
SP4 (6-6.6)	6I13011-27	Soil	09/13/16 11:15	09-13-2016 11:15
SP5 (0-1.0)	6I13011-28	Soil	09/13/16 11:15	09-13-2016 11:15
SP5 (1-1.5)	6I13011-29	Soil	09/13/16 11:15	09-13-2016 11:15
SP5 (2-2.5)	6I13011-30	Soil	09/13/16 11:15	09-13-2016 11:15
SP5 (3-3.5)	6I13011-31	Soil	09/13/16 11:15	09-13-2016 11:15
SP5 (4-4.5)	6I13011-32	Soil	09/13/16 11:15	09-13-2016 11:15
SP5 (5-5.5)	6I13011-33	Soil	09/13/16 11:15	09-13-2016 11:15
SP6 (0-1.0)	6I13011-34	Soil	09/13/16 11:15	09-13-2016 11:15

Burnett Oil Company, Inc.
24 Smith Road Suite 100
Midland TX, 79705

Project: Jackson 'B' -30
Project Number: [none]
Project Manager: Johnny Titsworth

Fax:

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP6 (1-1.5)	6I13011-35	Soil	09/13/16 11:15	09-13-2016 11:15
SP6 (2-2.5)	6I13011-36	Soil	09/13/16 11:15	09-13-2016 11:15
SP6 (3-3.5)	6I13011-37	Soil	09/13/16 11:15	09-13-2016 11:15
SP6 (4-4.5)	6I13011-38	Soil	09/13/16 11:15	09-13-2016 11:15
SP6 (5-5.5)	6I13011-39	Soil	09/13/16 11:15	09-13-2016 11:15
SP7 (0-1.0)	6I13011-40	Soil	09/13/16 11:15	09-13-2016 11:15
SP7 (1-1.5)	6I13011-41	Soil	09/13/16 11:15	09-13-2016 11:15
SP7 (2-2.5)	6I13011-42	Soil	09/13/16 11:15	09-13-2016 11:15
SP7 (3-3.5)	6I13011-43	Soil	09/13/16 11:15	09-13-2016 11:15
SP7 (4-4.5)	6I13011-44	Soil	09/13/16 11:15	09-13-2016 11:15
SP7 (5-5.5)	6I13011-45	Soil	09/13/16 11:15	09-13-2016 11:15
SP7 (6-6.5)	6I13011-46	Soil	09/13/16 11:15	09-13-2016 11:15

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP1 (0-1.0)
6I13011-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	1390	10.6	mg/kg dry	10	P6I1504	09/15/16	09/16/16	EPA 300.0	
% Moisture	6.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP1 (1-1.5)
6I13011-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	3480	26.3	mg/kg dry	25	P6I1504	09/15/16	09/16/16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP1 (2-2.5)
6I13011-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	4970	26.3	mg/kg dry	25	P6I1504	09/15/16	09/16/16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP1 (3-3.5)
6I13011-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	6910	26.9	mg/kg dry	25	P611504	09/15/16	09/16/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP1 (4-4.5)
6I13011-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	15900	56.2	mg/kg dry	50	P6I1504	09/15/16	09/16/16	EPA 300.0	
% Moisture	11.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP1 (5-5.5)
6I13011-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	15700	56.2	mg/kg dry	50	P6I1504	09/15/16	09/16/16	EPA 300.0	
% Moisture	11.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP2 (0-1.0)
6I13011-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	2760	10.5	mg/kg dry	10	P6I1504	09/15/16	09/16/16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP2 (1-1.5)
6I13011-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	2180	10.3	mg/kg dry	10	P6I1504	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP2 (2-2.5)
6I13011-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	2090	10.4	mg/kg dry	10	P6I1504	09/15/16	09/16/16	EPA 300.0	
% Moisture	4.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP2 (3-3.5)
6I13011-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	2610	10.3	mg/kg dry	10	P6I1504	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP2 (4-4.5)
6I13011-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	2890	10.3	mg/kg dry	10	P6I1504	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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SP2 (5-5.5)
6I13011-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	5440	26.3	mg/kg dry	25	P611504	09/15/16	09/16/16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP2 (6-6.5)
6I13011-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	4760	26.0	mg/kg dry	25	P6I1504	09/15/16	09/16/16	EPA 300.0	
% Moisture	4.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP3 (0-1.0)
6I13011-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	2430	10.5	mg/kg dry	10	P6I1504	09/15/16	09/16/16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP3 (1-1.5)
6I13011-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	2710	10.3	mg/kg dry	10	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP3 (2-2.5)
6I13011-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	929	5.05	mg/kg dry	5	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	1.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP3 (3-3.5)
6I13011-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	1450	5.10	mg/kg dry	5	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	2.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP3 (4-4.5)
6I13011-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	1280	5.15	mg/kg dry	5	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP3 (5-5.5)
6I13011-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	464	1.02	mg/kg dry	1	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	2.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP3 (6-6.5)
6I13011-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	408	1.03	mg/kg dry	1	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP4 (0-1.0)
6I13011-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	3770	25.8	mg/kg dry	25	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP4 (1-1.5)
6I13011-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	2960	25.5	mg/kg dry	25	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	2.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

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SP4 (2-2.5)
6I13011-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	3030	25.5	mg/kg dry	25	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	2.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP4 (3-3.5)
6I13011-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	3160	25.8	mg/kg dry	25	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP4 (4-4.5)
6I13011-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	3250	25.8	mg/kg dry	25	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP4 (5-5.5)
6I13011-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	3510	25.8	mg/kg dry	25	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP4 (6-6.6)
6I13011-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	4030	25.8	mg/kg dry	25	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP5 (0-1.0)
6I13011-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	46.7	1.04	mg/kg dry	1	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	4.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP5 (1-1.5)
6I13011-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	34.6	1.03	mg/kg dry	1	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP5 (2-2.5)
6I13011-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	37.4	1.03	mg/kg dry	1	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP5 (3-3.5)
6I13011-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	213	1.08	mg/kg dry	1	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP5 (4-4.5)
6I13011-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	1030	5.56	mg/kg dry	5	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	10.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP5 (5-5.5)
6I13011-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	485	1.09	mg/kg dry	1	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	8.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP6 (0-1.0)
6I13011-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	488	1.03	mg/kg dry	1	P611511	09/15/16	09/16/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP6 (1-1.5)
6I13011-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	1940	10.4	mg/kg dry	10	P6I1512	09/15/16	09/16/16	EPA 300.0	
% Moisture	4.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP6 (2-2.5)
6I13011-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	3750	26.0	mg/kg dry	25	P6I1512	09/15/16	09/16/16	EPA 300.0	
% Moisture	4.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP6 (3-3.5)
6I13011-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	4730	26.9	mg/kg dry	25	P6I1512	09/15/16	09/16/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP6 (4-4.5)
6I13011-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	4310	25.0	mg/kg dry	25	P6I1512	09/15/16	09/16/16	EPA 300.0	
% Moisture	ND	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP6 (5-5.5)
6I13011-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	316	1.08	mg/kg dry	1	P6I1512	09/15/16	09/16/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
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SP7 (0-1.0)
6I13011-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	18.1	1.08	mg/kg dry	1	P6I1512	09/15/16	09/16/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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SP7 (1-1.5)
6I13011-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	10.5	1.12	mg/kg dry	1	P6I1512	09/15/16	09/16/16	EPA 300.0	
% Moisture	11.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
---	---	------

SP7 (2-2.5)
6I13011-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	532	1.14	mg/kg dry	1	P6I1512	09/15/16	09/16/16	EPA 300.0	
% Moisture	12.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
---	---	------

SP7 (3-3.5)
6I13011-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	2700	27.8	mg/kg dry	25	P6I1512	09/15/16	09/16/16	EPA 300.0	
% Moisture	10.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
---	---	------

SP7 (4-4.5)
6I13011-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	1630	11.2	mg/kg dry	10	P6I1512	09/15/16	09/16/16	EPA 300.0	
% Moisture	11.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
---	---	------

SP7 (5-5.5)
6I13011-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	329	1.08	mg/kg dry	1	P6I1512	09/15/16	09/16/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
---	---	------

SP7 (6-6.5)
6I13011-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	217	1.11	mg/kg dry	1	P6I1512	09/15/16	09/16/16	EPA 300.0	
% Moisture	10.0	0.1	%	1	P6I1509	09/15/16	09/15/16	% calculation	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
---	---	------

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6I1504 - *** DEFAULT PREP ***										
Blank (P6I1504-BLK1)				Prepared: 09/15/16 Analyzed: 09/16/16						
Chloride	ND	1.00	mg/kg wet							
LCS (P6I1504-BS1)				Prepared: 09/15/16 Analyzed: 09/16/16						
Chloride	396	1.00	mg/kg wet	400		98.9	80-120			
LCS Dup (P6I1504-BSD1)				Prepared: 09/15/16 Analyzed: 09/16/16						
Chloride	423	1.00	mg/kg wet	400		106	80-120	6.61	20	
Duplicate (P6I1504-DUP1)				Source: 6I13002-23		Prepared: 09/15/16 Analyzed: 09/16/16				
Chloride	ND	1.03	mg/kg dry		99.8				20	
Duplicate (P6I1504-DUP2)				Source: 6I13011-05		Prepared: 09/15/16 Analyzed: 09/16/16				
Chloride	15900	56.2	mg/kg dry		15900			0.311	20	
Matrix Spike (P6I1504-MS1)				Source: 6I13002-23		Prepared: 09/15/16 Analyzed: 09/16/16				
Chloride	1040	1.03	mg/kg dry	1030	99.8	91.0	80-120			
Batch P6I1509 - *** DEFAULT PREP ***										
Blank (P6I1509-BLK1)				Prepared & Analyzed: 09/15/16						
% Moisture	ND	0.1	%							
Blank (P6I1509-BLK2)				Prepared & Analyzed: 09/15/16						
% Moisture	ND	0.1	%							
Duplicate (P6I1509-DUP1)				Source: 6I13003-01		Prepared & Analyzed: 09/15/16				
% Moisture	6.0	0.1	%		6.0			0.00	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
---	---	------

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch P6I1509 - *** DEFAULT PREP ***

Duplicate (P6I1509-DUP2)	Source: 6I13004-27		Prepared & Analyzed: 09/15/16							
% Moisture	16.0	0.1	%		15.0			6.45	20	
Duplicate (P6I1509-DUP3)	Source: 6I13007-07		Prepared & Analyzed: 09/15/16							
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P6I1509-DUP4)	Source: 6I13011-19		Prepared & Analyzed: 09/15/16							
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P6I1509-DUP5)	Source: 6I13011-44		Prepared & Analyzed: 09/15/16							
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P6I1509-DUP6)	Source: 6I13011-46		Prepared & Analyzed: 09/15/16							
% Moisture	9.0	0.1	%		10.0			10.5	20	

Batch P6I1511 - *** DEFAULT PREP ***

Blank (P6I1511-BLK1)	Prepared: 09/15/16 Analyzed: 09/16/16									
Chloride	ND	1.00	mg/kg wet							
LCS (P6I1511-BS1)	Prepared: 09/15/16 Analyzed: 09/16/16									
Chloride	401	1.00	mg/kg wet	400		100	80-120			
LCS Dup (P6I1511-BSD1)	Prepared: 09/15/16 Analyzed: 09/16/16									
Chloride	400	1.00	mg/kg wet	400		100	80-120	0.230	20	
Duplicate (P6I1511-DUP1)	Source: 6I13011-15		Prepared: 09/15/16 Analyzed: 09/16/16							
Chloride	2720	10.3	mg/kg dry		2710			0.486	20	

Burnett Oil Company, Inc. 24 Smith Road Suite 100 Midland TX, 79705	Project: Jackson 'B' -30 Project Number: [none] Project Manager: Johnny Titsworth	Fax:
---	---	------

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6I1511 - *** DEFAULT PREP ***										
Duplicate (P6I1511-DUP2)	Source: 6I13011-25			Prepared: 09/15/16 Analyzed: 09/16/16						
Chloride	3290	25.8	mg/kg dry		3250			1.20	20	
Matrix Spike (P6I1511-MS1)	Source: 6I13011-15			Prepared: 09/15/16 Analyzed: 09/16/16						
Chloride	3830	10.3	mg/kg dry	1030	2710	109	80-120			
Batch P6I1512 - *** DEFAULT PREP ***										
Blank (P6I1512-BLK1)				Prepared: 09/15/16 Analyzed: 09/16/16						
Chloride	ND	1.00	mg/kg wet							
LCS (P6I1512-BS1)				Prepared: 09/15/16 Analyzed: 09/16/16						
Chloride	407	1.00	mg/kg wet	400		102	80-120			
LCS Dup (P6I1512-BSD1)				Prepared: 09/15/16 Analyzed: 09/16/16						
Chloride	408	1.00	mg/kg wet	400		102	80-120	0.272	20	
Duplicate (P6I1512-DUP1)	Source: 6I13011-35			Prepared: 09/15/16 Analyzed: 09/16/16						
Chloride	1970	10.4	mg/kg dry		1940			1.39	20	
Duplicate (P6I1512-DUP2)	Source: 6I13011-45			Prepared: 09/15/16 Analyzed: 09/16/16						
Chloride	319	1.08	mg/kg dry		329			3.11	20	
Matrix Spike (P6I1512-MS1)	Source: 6I13011-35			Prepared: 09/15/16 Analyzed: 09/16/16						
Chloride	2920	10.4	mg/kg dry	1040	1940	94.2	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Burnett Oil Company, Inc.
24 Smith Road Suite 100
Midland TX, 79705

Project: Jackson 'B' -30
Project Number: [none]
Project Manager: Johnny Titsworth

Fax:

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

9/19/2016

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin Hwy
Midland, Texas 79701

Phone: 432-686-7235

Project Manager: Johnny Titsworth

Company Name **Burnett Oil Company**

Company Address: P.O. Box 188 / 87 Square Lake Road

City/State/Zip: Loco Hills, Texas 88255

Telephone No: 432-425-2891

Sampler Signature:

Fax No:

e-mail:

jlitsworth@burnettol.com

d.holt@aspengrow.us

nesq@cox.net

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO#:

Project #:

Project Name: Jackson 'B'-30

Page 54 of 58

[illegible]

PERMILAB**CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST**

Permian Basin Environmental Lab, LP
1400 Rankin Hwy
Midland, Texas 79701

Phone: 432-686-7235

Project Manager: Johnny Tlitsworth

Project Name: Jackson 'B'-30

Company Name: Burnett Oil Company

Project #:

Company Address: P.O. Box 188 / 87 Square Lake Road

Project Loc: LOCO HILLS, NM

City/State/Zip: Loco Hills, Texas 88255

PO #:

Telephone No: 432-425-2891

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: _____

e-mail: _____

tlitsworth@burnettoil.com
d.holt@aspengrow.us
k.freeman@aspengrow.us
nesq@cox.net

Analyze For:

(lab use only)
ORDER #: 60513011

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Dept	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers	Matrix	TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B	Rush 24 48 72 (Please call)	Standard
-11	SP2	4	4.5	09/13/16		1	1	HNO ₃ 250,ml Poly	DW=Drinking Water SL=Sludge	X				
-12	SP2	5	5.5	09/13/16		1	1	HCl	GW = Groundwater S=Soil/Solid	X				
-13	SP2	6	6.5	09/13/16		1	1	H ₂ SO ₄	NP=Non-Potable Specify Other	X				
-14	SP3	0	1.0	09/13/16		1	1	NaOH		X				
-15	SP3	1	1.5	09/13/16		1	1	Na ₂ S ₂ O ₃		X				
-16	SP3	2	2.5	09/13/16		1	1	None 1L Poly		X				
-17	SP3	3	3.5	09/13/16		1	1	NaOH/ZnAc		X				
-18	SP3	4	4.5	09/13/16		1	1			X				
-19	SP3	5	5.5	09/13/16		1	1			X				
-20	SP3	6	6.5	09/13/16		1	1			X				

Special Instructions:
If requested test and total TPH exceeds 5,000 mg/kg -run deeper sample
If requested and total BTEX exceeds 50 mg/kg -run deeper sample
If requested test and total Benzene exceeds 10 mg/kg -run deeper sample

Relinquished by: _____ Date: 9/13/16 Time: 11:16
Relinquished by: _____ Date: 9/13/16 Time: 11:15
Relinquished by: _____ Date: 9/13/16 Time: 11:15

Received by: _____ Date: 9/13/16 Time: 11:15
Received by: _____ Date: 9/13/16 Time: 11:15

Laboratory Comments:
Sample Containers Initialed? ☒
VOCs Free of Headspace? ☒
Labels on Containers? ☒
Custody seals on container(s)? ☒
Sample Hand Delivered by Courier? ☒
by Sample/Client Rep? ☒
Temperature Upon Receipt: _____ °C
Adjusted: _____ °C Factor: 1.024



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin Hwy
Midland, Texas 79701

Phone: 432-686-7235

Project Manager: Johnny Titsworth

Company Name Burnett Oil Company

Company Address: P.O. Box 188 / 87 Square Lake Road

City/State/Zip: Loco Hills, Texas 88255

Telephone No: 432-425-2891

Sampler Signature:

Fax No:

e-mail:

jitsworth@burnettol.com

d.holt@aspengrow.us

nesq@cox.net

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO#:

Project Loc: LOCO HILLS, NM

Project #:

Project Name: Jackson 'B'-30

Page 56 of 58

[illegible]



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin Hwy
Midland, Texas 79701

Phone: 432-686-7235

Project Manager: Johnny Trisworth

Project Name: Jackson 'B'-30

Company Name: Burnett Oil Company

Project #:

Company Address: P.O. Box 188 / 87 Square Lake Road

Project Loc: LOCO HILLS, NM

City/State/Zip: Loco Hills, Texas 88255

PO #:

Telephone No: 432-425-2891

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

e-mail:

(lab use only)

ORDER #: 6513004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Dept	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers	Matrix	Analyze For:
31	SP5	3	3.5	09/13/16			1	HNO ₃ 250 ml Poly	S	TPH by TX 1005 8015B 8015M
32	SP5	4	4.5	09/13/16			1	HCl	S	Chloride
33	SP5	5	5.5	09/13/16			1	H ₂ SO ₄	S	BTEX by 8021B
34	SP6	0	1.0	09/13/16			1	NaOH	S	
35	SP6	1	1.5	09/13/16			1	Na ₂ S ₂ O ₃	S	
36	SP6	2	2.5	09/13/16			1	None 1L Poly	S	
37	SP6	3	3.5	09/13/16			1	NaOH/ZnAc	S	
38	SP6	4	4.5	09/13/16			1	DW=Drinking Water SL=Sludge	S	
39	SP6	5	5.5	09/13/16			1	GW = Groundwater S=Soil/Solid	S	
40	SP7	0	1.0	09/13/16			1	NP=Non-Potable Specify Other	S	

Rush 24 48 72 (Please call)
Standard

Special Instructions:	Date	Time	Received by:	Date	Time
Relinquished by: <i>[Signature]</i>	9-13-16	11:16	<i>[Signature]</i>	9-13-16	11:15
Relinquished by:					
Relinquished by:					

If requested test and total TPH exceeds 5,000 mg/kg -run deeper sample
If requested and total BTEX exceeds 50 mg/kg -run deeper sample
If requested test and total Benzene exceeds 10 mg/kg -run deeper sample

Laboratory Comments:	Sample Containers Intact?	VOCs Free of Headspace?	Labels on container(s)?	Custody seals on container(s)?	Sample Hand Delivered by Sampler/Client Rep?	by Courier?	Temperature Upon Receipt:	Adjusted:
	Y	N	Y	N	Y	UPS	10.0 °C	ACE-4
	Y	N	Y	N	Y	DHL		
	Y	N	Y	N	Y	FedEx		
	Y	N	Y	N	Y	Lowe Star		

From: [Patterson, Heather, EMNRD](#)
To: ["Tucker, Shelly"; Johnny Titsworth](#)
Cc: [Bratcher, Mike, EMNRD](#); [Kyle Adams](#); [Leslie Garvis](#); [Crystal EMNRD Weaver \(Crystal.Weaver@state.nm.us\)](#)
Subject: RE: Jackson B 30 WIW
Date: Tuesday, November 29, 2016 10:42:00 AM

RE: Burnett Oil * Jackson B #30 * 30-015-21386 * 2RP-3670

Johnny,

The OCD concurs with the BLM approval with one exception. We would like to see further delineation at SP1 and SP4 if possible.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Heather Patterson
Environmental Specialist
NMOCD District II
Office (575)748-1283 ext.101
Cell (575)703-0228

From: Tucker, Shelly [mailto:stucker@blm.gov]
Sent: Monday, November 21, 2016 4:09 PM
To: Johnny Titsworth
Cc: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD; Kyle Adams; Leslie Garvis
Subject: Re: Jackson B 30 WIW

BLM approves your work plan as written.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
O&G Spill/Release Coordinator

Bureau of Land Management
620 E. Greene St
Carlsbad, NM 88220

575.234.5905 - Direct
575.361.0084 - Cellular
575.234.6235 - Emergency Spill Number

stucker@blm.gov

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Fri, Nov 18, 2016 at 11:04 AM, Johnny Titsworth <jtitsworth@burnettoil.com> wrote:

All

Attached is the work plan and the analytical for the Jackson B 30 WIW. If there are any questions or concerns, feel free to contact us.

Johnny Titsworth
HSE COORDINATOR

BURNETT OIL CO., INC.
P.O. Box 188
CR 220 North
Loco Hills, NM 88255
MOBILE: (432)-425-2891
EMAIL: jtitsworth@burnettoil.com

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From: Johnny Titsworth
To: [Patterson, Heather, EMNRD](#)
Cc: [Tucker, Shelly](#); [Bratcher, Mike, EMNRD](#); [Kyle Adams](#); [Leslie Garvis](#); [Weaver, Crystal, EMNRD](#)
Subject: Re: Jackson B 30 WIW
Date: Tuesday, November 29, 2016 10:46:35 AM

I actually have diversified out this week delineating various locations. I do have this one on the list to be delineated at those two sample points.

Johnny Titsworth
HSE Coordinator
432-425-2891
Sent from my iPhone

On Nov 29, 2016, at 10:42 AM, Patterson, Heather, EMNRD
<Heather.Patterson@state.nm.us> wrote:

RE: Burnett Oil * Jackson B #30 * 30-015-21386 * 2RP-3670

Johnny,

The OCD concurs with the BLM approval with one exception. We would like to see further delineation at SP1 and SP4 if possible.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Heather Patterson
Environmental Specialist
NMOCD District II
Office (575)748-1283 ext.101
Cell (575)703-0228

From: Tucker, Shelly [<mailto:stucker@blm.gov>]
Sent: Monday, November 21, 2016 4:09 PM
To: Johnny Titsworth
Cc: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD; Kyle Adams; Leslie Garvis
Subject: Re: Jackson B 30 WIW

BLM approves your work plan as written.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
O&G Spill/Release Coordinator

Bureau of Land Management
620 E. Greene St
Carlsbad, NM 88220

575.234.5905 - Direct
575.361.0084 - Cellular
575.234.6235 - Emergency Spill Number

stucker@blm.gov

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Fri, Nov 18, 2016 at 11:04 AM, Johnny Titsworth
<jtitsworth@burnettoil.com> wrote:

All

Attached is the work plan and the analytical for the Jackson B 30 WIW. If there are any questions or concerns, feel free to contact us.

Johnny Titsworth
HSE COORDINATOR

BURNETT OIL CO., INC.
P.O. Box 188
CR 220 North
Loco Hills, NM 88255
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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CONDITIONS

Action 383759

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
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