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

PBELAB

Analytical Report

Prepared for:

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

Project: Water Flood
Project Number: [none]
Location: Loco Hills NM

Lab Order Number: 7C03011

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704156-16-6

Report Date: 03/17/17

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP1 0-1.0	7C03011-01	Soil	03/02/17 00:00	03-03-2017 11:50
SP1 1-2.0	7C03011-02	Soil	03/02/17 00:00	03-03-2017 11:50
SP1 2-3.0	7C03011-03	Soil	03/02/17 00:00	03-03-2017 11:50
SP1 3-4.0	7C03011-04	Soil	03/02/17 00:00	03-03-2017 11:50
SP1 4-5.0	7C03011-05	Soil	03/02/17 00:00	03-03-2017 11:50
SP2 0-1.0	7C03011-06	Soil	03/02/17 00:00	03-03-2017 11:50
SP2 1-2.0	7C03011-07	Soil	03/02/17 00:00	03-03-2017 11:50
SP2 2-3.0	7C03011-08	Soil	03/02/17 00:00	03-03-2017 11:50
SP3 0-1.0	7C03011-09	Soil	03/02/17 00:00	03-03-2017 11:50
SP3 1-2.0	7C03011-10	Soil	03/02/17 00:00	03-03-2017 11:50
SP3 2-3.0	7C03011-11	Soil	03/02/17 00:00	03-03-2017 11:50
SP3 3-4.0	7C03011-12	Soil	03/02/17 00:00	03-03-2017 11:50
SP3 4-5.0	7C03011-13	Soil	03/02/17 00:00	03-03-2017 11:50
SP4 0-1.0	7C03011-14	Soil	03/02/17 00:00	03-03-2017 11:50
SP4 1-2.0	7C03011-15	Soil	03/02/17 00:00	03-03-2017 11:50
SP4 2-3.0	7C03011-16	Soil	03/02/17 00:00	03-03-2017 11:50
SP4 3-4.0	7C03011-17	Soil	03/02/17 00:00	03-03-2017 11:50
SP4 4-5.0	7C03011-18	Soil	03/02/17 00:00	03-03-2017 11:50
SP5 0-1.0	7C03011-19	Soil	03/02/17 00:00	03-03-2017 11:50
SP5 1-2.0	7C03011-20	Soil	03/02/17 00:00	03-03-2017 11:50
SP5 2-3.0	7C03011-21	Soil	03/02/17 00:00	03-03-2017 11:50
SP5 3-4.0	7C03011-22	Soil	03/02/17 00:00	03-03-2017 11:50
SP5 4-5.0	7C03011-23	Soil	03/02/17 00:00	03-03-2017 11:50
SP6 0-1.0	7C03011-24	Soil	03/02/17 00:00	03-03-2017 11:50
SP6 1-2.0	7C03011-25	Soil	03/02/17 00:00	03-03-2017 11:50
SP6 2-3.0	7C03011-26	Soil	03/02/17 00:00	03-03-2017 11:50
SP6 3-4.0	7C03011-27	Soil	03/02/17 00:00	03-03-2017 11:50
SP6 4-5.0	7C03011-28	Soil	03/02/17 00:00	03-03-2017 11:50
SP7 0-1.0	7C03011-29	Soil	03/02/17 00:00	03-03-2017 11:50
SP7 1-2.0	7C03011-30	Soil	03/02/17 00:00	03-03-2017 11:50
SP7 2-3.0	7C03011-31	Soil	03/02/17 00:00	03-03-2017 11:50
SP7 3-4.0	7C03011-32	Soil	03/02/17 00:00	03-03-2017 11:50
SP7 4-5.0	7C03011-33	Soil	03/02/17 00:00	03-03-2017 11:50
SP8 0-1.0	7C03011-34	Soil	03/02/17 00:00	03-03-2017 11:50

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP8 1-2.0	7C03011-35	Soil	03/02/17 00:00	03-03-2017 11:50
SP8 2-3.0	7C03011-36	Soil	03/02/17 00:00	03-03-2017 11:50
SP8 3-4.0	7C03011-37	Soil	03/02/17 00:00	03-03-2017 11:50
SP8 4-5.0	7C03011-38	Soil	03/02/17 00:00	03-03-2017 11:50
SP9 0-1.0	7C03011-39	Soil	03/02/17 00:00	03-03-2017 11:50
SP9 1-2.0	7C03011-40	Soil	03/02/17 00:00	03-03-2017 11:50
SP9 2-3.0	7C03011-41	Soil	03/02/17 00:00	03-03-2017 11:50
SP9 3-4.0	7C03011-42	Soil	03/02/17 00:00	03-03-2017 11:50
SP9 4-5.0	7C03011-43	Soil	03/02/17 00:00	03-03-2017 11:50
SP10 0-1.0	7C03011-44	Soil	03/02/17 00:00	03-03-2017 11:50
SP10 1-2.0	7C03011-45	Soil	03/02/17 00:00	03-03-2017 11:50
SP10 2-3.0	7C03011-46	Soil	03/02/17 00:00	03-03-2017 11:50
SP10 3-4.0	7C03011-47	Soil	03/02/17 00:00	03-03-2017 11:50
SP10 4-5.0	7C03011-48	Soil	03/02/17 00:00	03-03-2017 11:50

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP1 0-1.0

7C03011-01 (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	**5450**	26.9	mg/kg dry	25	P7C0705	03/07/17	03/10/17	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP1 1-2.0

7C03011-02 (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	**2530**	11.0	mg/kg dry	10	P7C0705	03/07/17	03/10/17	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP1 2-3.0

7C03011-03 (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	**330**	1.14	mg/kg dry	1	P7C0705	03/07/17	03/10/17	EPA 300.0	
% Moisture	**12.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP1 3-4.0

7C03011-04 (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	**233**	1.12	mg/kg dry	1	P7C0705	03/07/17	03/10/17	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP1 4-5.0

7C03011-05 (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	**218**	1.11	mg/kg dry	1	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP2 0-1.0

7C03011-06 (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	**11200**	54.3	mg/kg dry	50	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP2 1-2.0

7C03011-07 (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	**1330**	6.10	mg/kg dry	5	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**18.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP2 2-3.0

7C03011-08 (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	**378**	1.16	mg/kg dry	1	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**14.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP3 0-1.0

7C03011-09 (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	**6030**	27.2	mg/kg dry	25	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP3 1-2.0

7C03011-10 (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	**23100**	56.2	mg/kg dry	50	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP3 2-3.0

7C03011-11 (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	**15200**	57.5	mg/kg dry	50	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**13.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP3 3-4.0

7C03011-12 (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	**5060**	29.1	mg/kg dry	25	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**14.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP3 4-5.0

7C03011-13 (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	**3420**	11.1	mg/kg dry	10	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP4 0-1.0

7C03011-14 (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	**2110**	10.8	mg/kg dry	10	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP4 1-2.0

7C03011-15 (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	**745**	1.04	mg/kg dry	1	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP4 2-3.0

7C03011-16 (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	**4390**	26.0	mg/kg dry	25	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP4 3-4.0

7C03011-17 (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	**1690**	5.32	mg/kg dry	5	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP4 4-5.0

7C03011-18 (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	**1770**	5.43	mg/kg dry	5	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP5 0-1.0

7C03011-19 (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	**5400**	25.8	mg/kg dry	25	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP5 1-2.0

7C03011-20 (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	**4670**	25.8	mg/kg dry	25	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP5 2-3.0

7C03011-21 (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	**2480**	10.9	mg/kg dry	10	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP5 3-4.0

7C03011-22 (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	**441**	1.05	mg/kg dry	1	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP5 4-5.0

7C03011-23 (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	**1800**	5.68	mg/kg dry	5	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**12.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP6 0-1.0

7C03011-24 (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	**5160**	25.8	mg/kg dry	25	P7C0706	03/07/17	03/10/17	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP6 1-2.0

7C03011-25 (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	**7550**	26.3	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP6 2-3.0

7C03011-26 (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	**8230**	26.3	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP6 3-4.0

7C03011-27 (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	**7760**	26.3	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP6 4-5.0

7C03011-28 (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	**8660**	26.3	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP7 0-1.0

7C03011-29 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.0208	mg/kg dry	20	P7C0812	03/08/17	03/08/17	EPA 8021B	
Toluene	ND	0.0417	mg/kg dry	20	P7C0812	03/08/17	03/08/17	EPA 8021B	
Ethylbenzene	ND	0.0208	mg/kg dry	20	P7C0812	03/08/17	03/08/17	EPA 8021B	
Xylene (p/m)	ND	0.0417	mg/kg dry	20	P7C0812	03/08/17	03/08/17	EPA 8021B	
Xylene (o)	ND	0.0208	mg/kg dry	20	P7C0812	03/08/17	03/08/17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*98.8 %*	*75-125*		*P7C0812*	*03/08/17*	*03/08/17*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*110 %*	*75-125*		*P7C0812*	*03/08/17*	*03/08/17*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4650**	26.0	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**33.1**	26.0	mg/kg dry	1	P7C0807	03/07/17	03/07/17	TPH 8015M	
>C12-C28	**190**	26.0	mg/kg dry	1	P7C0807	03/07/17	03/07/17	TPH 8015M	
>C28-C35	**37.3**	26.0	mg/kg dry	1	P7C0807	03/07/17	03/07/17	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.2 %*	*70-130*		*P7C0807*	*03/07/17*	*03/07/17*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.4 %*	*70-130*		*P7C0807*	*03/07/17*	*03/07/17*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**261**	26.0	mg/kg dry	1	[CALC]	03/07/17	03/07/17	calc	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP7 1-2.0

7C03011-30 (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	**4350**	26.9	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP7 2-3.0

7C03011-31 (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	**1030**	5.26	mg/kg dry	5	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP7 3-4.0

7C03011-32 (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	**762**	5.38	mg/kg dry	5	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP7 4-5.0

7C03011-33 (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	**653**	1.04	mg/kg dry	1	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP8 0-1.0

7C03011-34 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.0217	mg/kg dry	20	P7C0812	03/08/17	03/08/17	EPA 8021B	
Toluene	ND	0.0435	mg/kg dry	20	P7C0812	03/08/17	03/08/17	EPA 8021B	
Ethylbenzene	ND	0.0217	mg/kg dry	20	P7C0812	03/08/17	03/08/17	EPA 8021B	
Xylene (p/m)	ND	0.0435	mg/kg dry	20	P7C0812	03/08/17	03/08/17	EPA 8021B	
Xylene (o)	ND	0.0217	mg/kg dry	20	P7C0812	03/08/17	03/08/17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		*P7C0812*	*03/08/17*	*03/08/17*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.9 %*	*75-125*		*P7C0812*	*03/08/17*	*03/08/17*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**11200**	27.2	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**34.8**	27.2	mg/kg dry	1	P7C0807	03/07/17	03/07/17	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P7C0807	03/07/17	03/07/17	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P7C0807	03/07/17	03/07/17	TPH 8015M	
Surrogate: 1-Chlorooctane		*87.3 %*	*70-130*		*P7C0807*	*03/07/17*	*03/07/17*	*TPH 8015M*	
Surrogate: o-Terphenyl		*92.7 %*	*70-130*		*P7C0807*	*03/07/17*	*03/07/17*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**34.8**	27.2	mg/kg dry	1	[CALC]	03/07/17	03/07/17	calc	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP8 1-2.0

7C03011-35 (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	**6560**	26.0	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP8 2-3.0

7C03011-36 (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	**8600**	26.6	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP8 3-4.0

7C03011-37 (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	**9110**	26.3	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP8 4-5.0

7C03011-38 (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	**6640**	26.3	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP9 0-1.0

7C03011-39 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00111	mg/kg dry	1	P7C0812	03/08/17	03/08/17	EPA 8021B	
Toluene	ND	0.00222	mg/kg dry	1	P7C0812	03/08/17	03/08/17	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P7C0812	03/08/17	03/08/17	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P7C0812	03/08/17	03/08/17	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P7C0812	03/08/17	03/08/17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*75-125*		*P7C0812*	*03/08/17*	*03/08/17*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*100 %*	*75-125*		*P7C0812*	*03/08/17*	*03/08/17*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**13000**	55.6	mg/kg dry	50	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.8	mg/kg dry	1	P7C0807	03/07/17	03/07/17	TPH 8015M	
>C12-C28	**28.0**	27.8	mg/kg dry	1	P7C0807	03/07/17	03/07/17	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P7C0807	03/07/17	03/07/17	TPH 8015M	
Surrogate: 1-Chlorooctane		*90.5 %*	*70-130*		*P7C0807*	*03/07/17*	*03/07/17*	*TPH 8015M*	
Surrogate: o-Terphenyl		*96.9 %*	*70-130*		*P7C0807*	*03/07/17*	*03/07/17*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**28.0**	27.8	mg/kg dry	1	[CALC]	03/07/17	03/07/17	calc	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP9 1-2.0

7C03011-40 (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	**3750**	27.2	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP9 2-3.0

7C03011-41 (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	**6530**	27.5	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP9 3-4.0

7C03011-42 (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	**4410**	26.9	mg/kg dry	25	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP9 4-5.0

7C03011-43 (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	**2850**	10.5	mg/kg dry	10	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP10 0-1.0

7C03011-44 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00258**	0.00118	mg/kg dry	1	P7C0812	03/08/17	03/08/17	EPA 8021B	
Toluene	**0.00246**	0.00235	mg/kg dry	1	P7C0812	03/08/17	03/08/17	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P7C0812	03/08/17	03/08/17	EPA 8021B	
Xylene (p/m)	**0.00307**	0.00235	mg/kg dry	1	P7C0812	03/08/17	03/08/17	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P7C0812	03/08/17	03/08/17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*104 %*	*75-125*		*P7C0812*	*03/08/17*	*03/08/17*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*108 %*	*75-125*		*P7C0812*	*03/08/17*	*03/08/17*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**22200**	58.8	mg/kg dry	50	P7C1005	03/10/17	03/14/17	EPA 300.0	
% Moisture	**15.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**33.6**	29.4	mg/kg dry	1	P7C0807	03/07/17	03/08/17	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P7C0807	03/07/17	03/08/17	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P7C0807	03/07/17	03/08/17	TPH 8015M	
Surrogate: 1-Chlorooctane		*86.5 %*	*70-130*		*P7C0807*	*03/07/17*	*03/08/17*	*TPH 8015M*	
Surrogate: o-Terphenyl		*92.6 %*	*70-130*		*P7C0807*	*03/07/17*	*03/08/17*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**33.6**	29.4	mg/kg dry	1	[CALC]	03/07/17	03/08/17	calc	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP10 1-2.0

7C03011-45 (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	**3570**	27.2	mg/kg dry	25	P7C1006	03/10/17	03/14/17	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP10 2-3.0

7C03011-46 (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	**4950**	26.3	mg/kg dry	25	P7C1006	03/10/17	03/14/17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP10 3-4.0

7C03011-47 (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	**6130**	26.6	mg/kg dry	25	P7C1006	03/10/17	03/14/17	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

SP10 4-5.0

7C03011-48 (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	**5250**	26.0	mg/kg dry	25	P7C1006	03/10/17	03/14/17	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P7C0604	03/06/17	03/06/17	% calculation	

Organics by GC - 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 P7C0812 - General Preparation (GC)										
Blank (P7C0812-BLK1)				Prepared & Analyzed: 03/08/17						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.0607*		*"*	*0.0600*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.0616*		*"*	*0.0600*		*103*	*75-125*			
LCS (P7C0812-BS1)				Prepared & Analyzed: 03/08/17						
Benzene	0.0840	0.00100	mg/kg wet	0.100		84.0	70-130			
Toluene	0.0859	0.00200	"	0.100		85.9	70-130			
Ethylbenzene	0.100	0.00100	"	0.100		100	70-130			
Xylene (p/m)	0.187	0.00200	"	0.200		93.3	70-130			
Xylene (o)	0.0922	0.00100	"	0.100		92.2	70-130			
Surrogate: 1,4-Difluorobenzene	*0.0610*		*"*	*0.0600*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.0644*		*"*	*0.0600*		*107*	*75-125*			
LCS Dup (P7C0812-BSD1)				Prepared & Analyzed: 03/08/17						
Benzene	0.0863	0.00100	mg/kg wet	0.100		86.3	70-130	2.71	20	
Toluene	0.0925	0.00200	"	0.100		92.5	70-130	7.48	20	
Ethylbenzene	0.110	0.00100	"	0.100		110	70-130	9.16	20	
Xylene (p/m)	0.198	0.00200	"	0.200		99.1	70-130	6.06	20	
Xylene (o)	0.0990	0.00100	"	0.100		99.0	70-130	7.09	20	
Surrogate: 1,4-Difluorobenzene	*0.0645*		*"*	*0.0600*		*108*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.0681*		*"*	*0.0600*		*114*	*75-125*			
Matrix Spike (P7C0812-MS1)		**Source: 7C03011-39**		Prepared & Analyzed: 03/08/17						
Benzene	0.0812	0.00111	mg/kg dry	0.111	ND	73.1	80-120			QM-07
Toluene	0.0626	0.00222	"	0.111	0.000611	55.8	80-120			QM-07
Ethylbenzene	0.0447	0.00111	"	0.111	ND	40.2	80-120			QM-07
Xylene (p/m)	0.0814	0.00222	"	0.222	0.00103	36.2	80-120			QM-07
Xylene (o)	0.0403	0.00111	"	0.111	ND	36.3	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	*0.0676*		*"*	*0.0667*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.0724*		*"*	*0.0667*		*109*	*75-125*			

Organics by GC - 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 P7C0812 - General Preparation (GC)										
Matrix Spike Dup (P7C0812-MSD1)		**Source: 7C03011-39**		Prepared & Analyzed: 03/08/17						
Benzene	0.121	0.00111	mg/kg dry	0.111	ND	109	80-120	39.2	20	R3
Toluene	0.116	0.00222	"	0.111	0.000611	104	80-120	60.0	20	R3
Ethylbenzene	0.113	0.00111	"	0.111	ND	102	80-120	86.9	20	R3
Xylene (p/m)	0.206	0.00222	"	0.222	0.00103	92.5	80-120	87.6	20	R3
Xylene (o)	0.104	0.00111	"	0.111	ND	93.6	80-120	88.2	20	R3
Surrogate: 1,4-Difluorobenzene	*0.0766*		*"*	*0.0667*		*115*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.0814*		*"*	*0.0667*		*122*	*75-125*			

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 P7C0604 - * DEFAULT PREP *** **										
Blank (P7C0604-BLK1)				Prepared & Analyzed: 03/06/17						
% Moisture	ND	0.1	%							
Blank (P7C0604-BLK2)				Prepared & Analyzed: 03/06/17						
% Moisture	ND	0.1	%							
Blank (P7C0604-BLK3)				Prepared & Analyzed: 03/06/17						
% Moisture	ND	0.1	%							
Duplicate (P7C0604-DUP1)	**Source: 7C03007-01**			Prepared & Analyzed: 03/06/17						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P7C0604-DUP2)	**Source: 7C03009-23**			Prepared & Analyzed: 03/06/17						
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P7C0604-DUP3)	**Source: 7C03010-05**			Prepared & Analyzed: 03/06/17						
% Moisture	10.0	0.1	%		11.0			9.52	20	
Duplicate (P7C0604-DUP4)	**Source: 7C03011-13**			Prepared & Analyzed: 03/06/17						
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P7C0604-DUP5)	**Source: 7C03011-38**			Prepared & Analyzed: 03/06/17						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P7C0604-DUP6)	**Source: 7C03012-16**			Prepared & Analyzed: 03/06/17						
% Moisture	5.0	0.1	%		4.0			22.2	20	R3
Duplicate (P7C0604-DUP7)	**Source: 7C03014-08**			Prepared & Analyzed: 03/06/17						
% Moisture	4.0	0.1	%		8.0			66.7	20	R3

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 P7C0604 - * DEFAULT PREP *** **										
Duplicate (P7C0604-DUP8)	**Source: 7C03016-06**			Prepared & Analyzed: 03/06/17						
% Moisture	16.0	0.1	%		17.0			6.06	20	
Duplicate (P7C0604-DUP9)	**Source: 7C03016-13**			Prepared & Analyzed: 03/06/17						
% Moisture	11.0	0.1	%		12.0			8.70	20	
Batch P7C0705 - * DEFAULT PREP *** **										
Blank (P7C0705-BLK1)				Prepared: 03/07/17 Analyzed: 03/10/17						
Chloride	ND	1.00	mg/kg wet							
LCS (P7C0705-BS1)				Prepared: 03/07/17 Analyzed: 03/10/17						
Chloride	437	1.00	mg/kg wet	400		109	80-120			
LCS Dup (P7C0705-BSD1)				Prepared: 03/07/17 Analyzed: 03/10/17						
Chloride	433	1.00	mg/kg wet	400		108	80-120	0.895	20	
Duplicate (P7C0705-DUP1)	**Source: 7C03010-04**			Prepared: 03/07/17 Analyzed: 03/10/17						
Chloride	1570	11.2	mg/kg dry		1550			0.894	20	
Duplicate (P7C0705-DUP2)	**Source: 7C03010-14**			Prepared: 03/07/17 Analyzed: 03/10/17						
Chloride	1340	5.88	mg/kg dry		1360			1.27	20	
Matrix Spike (P7C0705-MS1)	**Source: 7C03010-04**			Prepared: 03/07/17 Analyzed: 03/10/17						
Chloride	2720	11.2	mg/kg dry	1120	1550	104	80-120			
Batch P7C0706 - * DEFAULT PREP *** **										
Blank (P7C0706-BLK1)				Prepared: 03/07/17 Analyzed: 03/10/17						
Chloride	ND	1.00	mg/kg wet							

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 P7C0706 - * DEFAULT PREP *** **										
LCS (P7C0706-BS1)				Prepared: 03/07/17 Analyzed: 03/10/17						
Chloride	425	1.00	mg/kg wet	400		106	80-120			
LCS Dup (P7C0706-BSD1)				Prepared: 03/07/17 Analyzed: 03/10/17						
Chloride	426	1.00	mg/kg wet	400		106	80-120	0.146	20	
Duplicate (P7C0706-DUP1)		**Source: 7C03011-06**		Prepared: 03/07/17 Analyzed: 03/10/17						
Chloride	11700	54.3	mg/kg dry		11200			4.18	20	
Duplicate (P7C0706-DUP2)		**Source: 7C03011-15**		Prepared: 03/07/17 Analyzed: 03/10/17						
Chloride	747	1.04	mg/kg dry		745			0.194	20	
Matrix Spike (P7C0706-MS1)		**Source: 7C03011-06**		Prepared: 03/07/17 Analyzed: 03/10/17						
Chloride	16900	54.3	mg/kg dry	5430	11200	103	80-120			
Batch P7C1005 - * DEFAULT PREP *** **										
Blank (P7C1005-BLK1)				Prepared: 03/10/17 Analyzed: 03/14/17						
Chloride	ND	1.00	mg/kg wet							
LCS (P7C1005-BS1)				Prepared: 03/10/17 Analyzed: 03/14/17						
Chloride	442	1.00	mg/kg wet	400		110	80-120			
LCS Dup (P7C1005-BSD1)				Prepared: 03/10/17 Analyzed: 03/14/17						
Chloride	440	1.00	mg/kg wet	400		110	80-120	0.540	20	
Duplicate (P7C1005-DUP1)		**Source: 7C03011-25**		Prepared: 03/10/17 Analyzed: 03/14/17						
Chloride	7540	26.3	mg/kg dry		7550			0.157	20	

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 P7C1005 - * DEFAULT PREP *** **										
Duplicate (P7C1005-DUP2)	**Source: 7C03011-35**			Prepared: 03/10/17 Analyzed: 03/14/17						
Chloride	6530	26.0	mg/kg dry		6560			0.410	20	
Matrix Spike (P7C1005-MS1)	**Source: 7C03011-25**			Prepared: 03/10/17 Analyzed: 03/14/17						
Chloride	8230	26.3	mg/kg dry	421	7550	161	80-120			R3
Batch P7C1006 - * DEFAULT PREP *** **										
Blank (P7C1006-BLK1)				Prepared: 03/10/17 Analyzed: 03/14/17						
Chloride	ND	1.00	mg/kg wet							
LCS (P7C1006-BS1)				Prepared: 03/10/17 Analyzed: 03/13/17						
Chloride	407	1.00	mg/kg wet	400		102	80-120			
LCS Dup (P7C1006-BSD1)				Prepared: 03/10/17 Analyzed: 03/13/17						
Chloride	406	1.00	mg/kg wet	400		102	80-120	0.0615	20	
Duplicate (P7C1006-DUP1)	**Source: 7C03011-45**			Prepared: 03/10/17 Analyzed: 03/14/17						
Chloride	3490	27.2	mg/kg dry		3570			2.34	20	
Duplicate (P7C1006-DUP2)	**Source: 7C03012-07**			Prepared: 03/10/17 Analyzed: 03/14/17						
Chloride	11900	56.2	mg/kg dry		11800			0.826	20	
Matrix Spike (P7C1006-MS1)	**Source: 7C03011-45**			Prepared: 03/10/17 Analyzed: 03/14/17						
Chloride	5810	27.2	mg/kg dry	2720	3570	82.2	80-120			

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - 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 P7C0807 - TX 1005										
Blank (P7C0807-BLK1)				Prepared & Analyzed: 03/07/17						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*89.0*		*"*	*100*		*89.0*	*70-130*			
Surrogate: o-Terphenyl	*48.0*		*"*	*50.0*		*96.0*	*70-130*			
LCS (P7C0807-BS1)				Prepared & Analyzed: 03/07/17						
C6-C12	745	25.0	mg/kg wet	750		99.4	75-125			
>C12-C28	816	25.0	"	750		109	75-125			
Surrogate: 1-Chlorooctane	*93.6*		*"*	*100*		*93.6*	*70-130*			
Surrogate: o-Terphenyl	*44.9*		*"*	*50.0*		*89.8*	*70-130*			
LCS Dup (P7C0807-BSD1)				Prepared & Analyzed: 03/07/17						
C6-C12	810	25.0	mg/kg wet	750		108	75-125	8.27	20	
>C12-C28	929	25.0	"	750		124	75-125	13.0	20	
Surrogate: 1-Chlorooctane	*85.2*		*"*	*100*		*85.2*	*70-130*			
Surrogate: o-Terphenyl	*40.9*		*"*	*50.0*		*81.8*	*70-130*			
Matrix Spike (P7C0807-MS1)	**Source: 7C03011-44**			Prepared: 03/07/17 Analyzed: 03/08/17						
C6-C12	1040	29.4	mg/kg dry	1180	33.6	85.7	75-125			
>C12-C28	1120	29.4	"	1180	13.7	93.6	75-125			
Surrogate: 1-Chlorooctane	*107*		*"*	*118*		*90.7*	*70-130*			
Surrogate: o-Terphenyl	*51.7*		*"*	*58.8*		*87.9*	*70-130*			
Matrix Spike Dup (P7C0807-MSD1)	**Source: 7C03011-44**			Prepared: 03/07/17 Analyzed: 03/08/17						
C6-C12	1030	29.4	mg/kg dry	1180	33.6	84.5	75-125	1.41	20	
>C12-C28	1100	29.4	"	1180	13.7	92.3	75-125	1.41	20	
Surrogate: 1-Chlorooctane	*106*		*"*	*118*		*90.3*	*70-130*			
Surrogate: o-Terphenyl	*51.0*		*"*	*58.8*		*86.6*	*70-130*			

Burnett Oil Company, Inc.	Project: Water Flood	Fax:
24 Smith Road Suite 100	Project Number: [none]	
Midland TX, 79705	Project Manager: Johnny Titsworth	

Notes and Definitions

R3	The RPD exceeded the acceptance limit due to sample matrix effects.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BULK	Samples received in Bulk soil containers
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: 3/17/2017

Brent Barron, Laboratory Director/Technical Director

PBELAB

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 — **Project Name:** Water Flood

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, New Mexico 88255 — **PO #:**

Telephone No: 432-425-2891 — Fax No: — **Report Format:** X Standard ☐ TRRP ☐ NPDES

Sampler Signature: — e-mail: jtitsworth@burnettoil.com; d.holt@aspengrow.us; k.freeman@aspengrow.us; nesg@cox.net

(lab use only) **ORDER #:** 1703011

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: HNO_3 250 ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B	Rush 24 48 72 (Please call)	Standard
1	SP1	0	1.0	3/2/17			1								s		x			x
2	SP1	1	2.0	3/2/17			1								s		x			
3	SP1	2	3.0	3/2/17			1								s		x			
4	SP1	3	4.0	3/2/17			1								s		x			
5	SP1	4	5.0	3/2/17			1								s		x			
6	SP2	0	1.0	3/2/17			1								s		x			
7	SP2	1	2.0	3/2/17			1								s		x			
8	SP2	2	3.0	3/2/17			1								s		x			

Special Instructions:
If requested 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	Time	Received by:	Date	Time
	3/3/17	11:45			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
				3/3/17	1150

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEX Lone Star
Temperature Upon Receipt:
Received: 2.0 °C
Adjusted: °C Factor

PBELAB

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

Project Name: Water Flood

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, New Mexico 88255

PO #:

Telephone No: 432-425-2891

Fax No:

Report Format: X Standard ☐ TRRP ☐ NPDES

Sampler Signature:

e-mail: jtitsworth@burnettoil.com, d.holt@aspengrow.us, k.freeman@aspengrow.us, nesg@cox.net

(lab use only) ORDER #: 1703011

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: HNO_3 250 ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH by TX 1005	8015B 8015M Chloride	BTEX by 8021B	Rush 24 48 72 (Please call)	Standard
9	SP3	0	1.0	03/02/17			1								S		X			X
10	SP3	1	2.0	03/02/17			1								S		X			X
11	SP3	2	3.0	03/02/17			1								S		X			X
12	SP3	3	4.0	03/02/17			1								S		X			X
13	SP3	4	5.0	03/02/17			1								S		X			X
14	SP4	0	1.0	03/02/17			1								S		X			X
15	SP4	1	2.0	03/02/17			1								S		X			X
16	SP4	2	3.0	03/02/17			1								S		X			X
17	SP4	3	4.0	03/02/17			1								S		X			X
18	SP4	4	5.0	03/02/17			1								S		X			X

Special Instructions:
If requested 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	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
				3.2.17	1150

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 2.0 °C
Adjusted: °C Factor

PBELAB

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, New Mexico 88255

Telephone No: 432-425-2891 Fax No:

Sampler Signature:

e-mail: jtitsworth@burnettoil.com; d.holt@aspengrow.us; k.freeman@aspengrow.us; nesg@cox.net

Project Name: Water Flood

Project #:

Project Loc: LOCO HILLS, NM

PO #:

Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only) ORDER #: 1703011

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: HNO_3 250 ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B	Rush 24 48 72 (Please call)	Standard
19	SP5	0	1.0	03/02/17			1								S		X			
20	SP5	1	2.0	03/02/17			1								S		X			
21	SP5	2	3.0	03/02/17			1								S		X			
22	SP5	3	4.0	03/02/17			1								S		X			
23	SP5	4	5.0	03/02/17			1								S		X			
24	SP6	0	1.0	03/02/17			1								S		X			
25	SP6	1	2.0	03/02/17			1								S		X			
26	SP6	2	3.0	03/02/17			1								S		X			
27	SP6	3	4.0	03/02/17			1								S		X			
28	SP6	4	5.0	03/02/17			1								S		X			

Special Instructions:
If requested 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	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
				3-4-17	1152

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	X	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 2.0 °C
Adjusted: °C Factor

PBELAB

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

Project Name: Water Flood

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, New Mexico 88255

PO #:

Telephone No: 432-425-2891

Fax No:

Report Format: X Standard ☐ TRRP ☐ NPDES

Sampler Signature:

e-mail: jtitsworth@burnettoil.com, d.holt@aspengrow.us, k.freeman@aspengrow.us, nesg@cox.net

(lab use only) ORDER #: 1702011

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: HNO_3 250 ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B	Rush 24 48 72 (Please call)	Standard
29	SP7	0	1.0	03/02/17			1									S		X	X	X		
31	SP7	1	2.0	03/02/17			1									S			X			
33	SP7	2	3.0	03/02/17			1									S			X			
27	SP7	3	4.0	03/02/17			1									S			X			
32	SP7	4	5.0	03/02/17			1									S			X			
34	SP8	0	1.0	03/02/17			1									S		X	X	X		
35	SP8	1	2.0	03/02/17			1									S			X			
30	SP8	2	3.0	03/02/17			1									S			X			
28	SP8	3	4.0	03/02/17			1									S			X			
26	SP8	4	5.0	03/02/17			1									S			X			

Special Instructions:
If requested 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	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
				3/2/17	1130

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 2.0 °C
Adjusted: 2.0 °C Factor 1.0

PBELAB

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, New Mexico 88255

Telephone No: 432-425-2891 Fax No:

Sampler Signature:

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Project Name: Water Flood

Project #:

Project Loc: LOCO HILLS, NM

PO #:

Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only) ORDER #: 1703011

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: HNO_3 250 ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH by TX 1005	8015B 8015M Chloride	BTEX by 8021B	Rush 24 48 72 (Please call)	Standard
09	SP9	0	1.0	03/02/17			1								S	X	X	X		
10	SP9	1	2.0	03/02/17			1								S		X			
11	SP9	2	3.0	03/02/17			1								S		X			
12	SP9	3	4.0	03/02/17			1								S		X			
13	SP9	4	5.0	03/02/17			1								S		X			
14	SP10	0	1.0	03/02/17			1								S	X	X	X		
15	SP10	1	2.0	03/02/17			1								S		X			
16	SP10	2	3.0	03/02/17			1								S		X			
17	SP10	3	4.0	03/02/17			1								S		X			
18	SP10	4	5.0	03/02/17			1								S		X			

Special Instructions:
If requested 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	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
				3/3/17	1150

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEX Lone Star

Temperature Upon Receipt:
Received: 3.0 °C
Adjusted: 3.0 °C Factor