

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



Analytical Report

Prepared for:

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

Project: Gissler A 27
Project Number: [none]
Location: Loco Hills NM
Lab Order Number: 6K23011



NELAP/TCEQ # T104704156-16-6

Report Date: 12/06/16

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP1-0'-1'	6K23011-01	Soil	11/22/16 00:00	11-23-2016 12:17
SP1-1'-2'	6K23011-02	Soil	11/22/16 00:00	11-23-2016 12:17
SP1-2'-3'	6K23011-03	Soil	11/22/16 00:00	11-23-2016 12:17
SP1-3'-4'	6K23011-04	Soil	11/22/16 00:00	11-23-2016 12:17
SP2-0'-1'	6K23011-05	Soil	11/22/16 00:00	11-23-2016 12:17
SP2-1'-2'	6K23011-06	Soil	11/22/16 00:00	11-23-2016 12:17
SP2-2'-3'	6K23011-07	Soil	11/22/16 00:00	11-23-2016 12:17
SP2-3'-4'	6K23011-08	Soil	11/22/16 00:00	11-23-2016 12:17
SP2-4'-5'	6K23011-09	Soil	11/22/16 00:00	11-23-2016 12:17
SP3-0'-1'	6K23011-10	Soil	11/22/16 00:00	11-23-2016 12:17
SP3-1'-2'	6K23011-11	Soil	11/22/16 00:00	11-23-2016 12:17
SP3-2'-3'	6K23011-12	Soil	11/22/16 00:00	11-23-2016 12:17
SP3-3'-4'	6K23011-13	Soil	11/22/16 00:00	11-23-2016 12:17
SP4-0'-1'	6K23011-14	Soil	11/22/16 00:00	11-23-2016 12:17
SP4-1'-2'	6K23011-15	Soil	11/22/16 00:00	11-23-2016 12:17
SP4-2'-3'	6K23011-16	Soil	11/22/16 00:00	11-23-2016 12:17
SP4-3'-4'	6K23011-17	Soil	11/22/16 00:00	11-23-2016 12:17
SP5-0'-1'	6K23011-18	Soil	11/22/16 00:00	11-23-2016 12:17
SP5-1'-2'	6K23011-19	Soil	11/22/16 00:00	11-23-2016 12:17
SP5-2'-3'	6K23011-20	Soil	11/22/16 00:00	11-23-2016 12:17
SP5-3'-4'	6K23011-21	Soil	11/22/16 00:00	11-23-2016 12:17

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

SP1-0'-1'
6K23011-01 (Soil)

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

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	3.03	0.109	mg/kg dry	100	P6L0108	12/01/16	12/05/16	EPA 8021B	
Toluene	41.0	0.217	mg/kg dry	100	P6L0108	12/01/16	12/05/16	EPA 8021B	
Ethylbenzene	40.5	0.109	mg/kg dry	100	P6L0108	12/01/16	12/05/16	EPA 8021B	
Xylene (p/m)	37.5	0.217	mg/kg dry	100	P6L0108	12/01/16	12/05/16	EPA 8021B	
Xylene (o)	18.5	0.109	mg/kg dry	100	P6L0108	12/01/16	12/05/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		68.1 %		75-125	P6L0108	12/01/16	12/05/16	EPA 8021B	S-GC
<i>Surrogate: 1,4-Difluorobenzene</i>		87.7 %		75-125	P6L0108	12/01/16	12/05/16	EPA 8021B	
C6-C12	6831.1	271.74	mg/kg dry	10	P6K2906	11/28/16	11/29/16	TX 1005	
>C12-C28	40639	271.74	mg/kg dry	10	P6K2906	11/28/16	11/29/16	TX 1005	
>C28-C35	5854.8	271.74	mg/kg dry	10	P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: 1-Chlorooctane</i>		127 %		70-130	P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: o-Terphenyl</i>		79.2 %		70-130	P6K2906	11/28/16	11/29/16	TX 1005	
Total Hydrocarbon nC6-nC35	53325	271.74	mg/kg dry	10	[CALC]	11/28/16	11/29/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

Chloride	546	1.09	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	8.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

SP1-1'-2'
6K23011-02 (Soil)

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

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0222	mg/kg dry	20	P6L0108	12/01/16	12/01/16	EPA 8021B	
Toluene	0.417	0.0444	mg/kg dry	20	P6L0108	12/01/16	12/01/16	EPA 8021B	
Ethylbenzene	1.58	0.0222	mg/kg dry	20	P6L0108	12/01/16	12/01/16	EPA 8021B	
Xylene (p/m)	2.13	0.0444	mg/kg dry	20	P6L0108	12/01/16	12/01/16	EPA 8021B	
Xylene (o)	1.15	0.0222	mg/kg dry	20	P6L0108	12/01/16	12/01/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		88.2 %		75-125	P6L0108	12/01/16	12/01/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.2 %		75-125	P6L0108	12/01/16	12/01/16	EPA 8021B	
C6-C12	139.69	27.778	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
>C12-C28	943.47	27.778	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
>C28-C35	219.56	27.778	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: 1-Chlorooctane</i>		95.8 %		70-130	P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: o-Terphenyl</i>		103 %		70-130	P6K2906	11/28/16	11/29/16	TX 1005	
Total Hydrocarbon nC6-nC35	1302.7	27.778	mg/kg dry	1	[CALC]	11/28/16	11/29/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1360	5.56	mg/kg dry	5	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	10.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:

SP1-2'-3'
6K23011-03 (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	1880	11.2	mg/kg dry	10	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	11.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:

SP1-3'-4'
6K23011-04 (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	4070	28.7	mg/kg dry	25	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	13.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

SP2-0'-1'
6K23011-05 (Soil)

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

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0215	mg/kg dry	20	P6L0108	12/01/16	12/01/16	EPA 8021B	
Toluene	0.0475	0.0430	mg/kg dry	20	P6L0108	12/01/16	12/01/16	EPA 8021B	
Ethylbenzene	0.568	0.0215	mg/kg dry	20	P6L0108	12/01/16	12/01/16	EPA 8021B	
Xylene (p/m)	0.865	0.0430	mg/kg dry	20	P6L0108	12/01/16	12/01/16	EPA 8021B	
Xylene (o)	0.589	0.0215	mg/kg dry	20	P6L0108	12/01/16	12/01/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	75-125		P6L0108	12/01/16	12/01/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		89.7 %	75-125		P6L0108	12/01/16	12/01/16	EPA 8021B	
C6-C12	328.72	26.882	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
>C12-C28	1916.6	26.882	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
>C28-C35	260.74	26.882	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: 1-Chlorooctane</i>		118 %	70-130		P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: o-Terphenyl</i>		111 %	70-130		P6K2906	11/28/16	11/29/16	TX 1005	
Total Hydrocarbon nC6-nC35	2506.1	26.882	mg/kg dry	1	[CALC]	11/28/16	11/29/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

Chloride	68.7	1.08	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:

SP2-1'-2'
6K23011-06 (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	365	1.06	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	6.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:

SP2-2'-3'
6K23011-07 (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	601	1.05	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:

SP2-3'-4'
6K23011-08 (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	280	1.05	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:

SP2-4'-5'
6K23011-09 (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	92.0	1.05	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

SP3-0'-1'
6K23011-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	0.915	0.0549	mg/kg dry	50	P6L0202	12/01/16	12/05/16	EPA 8021B	
Toluene	35.9	0.110	mg/kg dry	50	P6L0202	12/01/16	12/05/16	EPA 8021B	
Ethylbenzene	41.0	0.0549	mg/kg dry	50	P6L0202	12/01/16	12/05/16	EPA 8021B	
Xylene (p/m)	44.6	0.110	mg/kg dry	50	P6L0202	12/01/16	12/05/16	EPA 8021B	
Xylene (o)	24.1	0.0549	mg/kg dry	50	P6L0202	12/01/16	12/05/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		71.3 %		75-125	P6L0202	12/01/16	12/05/16	EPA 8021B	S-GC1
<i>Surrogate: 4-Bromofluorobenzene</i>		65.7 %		75-125	P6L0202	12/01/16	12/05/16	EPA 8021B	S-GC1
C6-C12	2771.5	137.36	mg/kg dry	5	P6K2906	11/28/16	11/29/16	TX 1005	
>C12-C28	6559.0	137.36	mg/kg dry	5	P6K2906	11/28/16	11/29/16	TX 1005	
>C28-C35	1080.3	137.36	mg/kg dry	5	P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: 1-Chlorooctane</i>		117 %		70-130	P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: o-Terphenyl</i>		96.3 %		70-130	P6K2906	11/28/16	11/29/16	TX 1005	
Total Hydrocarbon nC6-nC35	10411	137.36	mg/kg dry	5	[CALC]	11/28/16	11/29/16	[CALC]	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.10	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	9.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

SP3-1'-2'
6K23011-11 (Soil)

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

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00112	mg/kg dry	1	P6L0202	12/01/16	12/01/16	EPA 8021B	
Toluene	0.00249	0.00225	mg/kg dry	1	P6L0202	12/01/16	12/01/16	EPA 8021B	
Ethylbenzene	0.0112	0.00112	mg/kg dry	1	P6L0202	12/01/16	12/01/16	EPA 8021B	
Xylene (p/m)	0.0129	0.00225	mg/kg dry	1	P6L0202	12/01/16	12/01/16	EPA 8021B	
Xylene (o)	0.00853	0.00112	mg/kg dry	1	P6L0202	12/01/16	12/01/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.2 %	75-125		P6L0202	12/01/16	12/01/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		92.3 %	75-125		P6L0202	12/01/16	12/01/16	EPA 8021B	
C6-C12	41.146	28.090	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
>C12-C28	188.72	28.090	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
>C28-C35	38.191	28.090	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: 1-Chlorooctane</i>		118 %	70-130		P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: o-Terphenyl</i>		124 %	70-130		P6K2906	11/28/16	11/29/16	TX 1005	
Total Hydrocarbon nC6-nC35	268.06	28.090	mg/kg dry	1	[CALC]	11/28/16	11/29/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.12	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	11.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:

SP3-2'-3'
6K23011-12 (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	ND	1.10	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	9.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:

SP3-3'-4'
6K23011-13 (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	ND	1.11	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	10.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

SP4-0'-1'
6K23011-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	0.0602	0.0217	mg/kg dry	20	P6L0202	12/01/16	12/02/16	EPA 8021B	
Toluene	1.02	0.0435	mg/kg dry	20	P6L0202	12/01/16	12/02/16	EPA 8021B	
Ethylbenzene	5.16	0.0217	mg/kg dry	20	P6L0202	12/01/16	12/02/16	EPA 8021B	
Xylene (p/m)	17.2	0.0435	mg/kg dry	20	P6L0202	12/01/16	12/02/16	EPA 8021B	
Xylene (o)	9.24	0.0217	mg/kg dry	20	P6L0202	12/01/16	12/02/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		83.2 %		75-125	P6L0202	12/01/16	12/02/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		68.2 %		75-125	P6L0202	12/01/16	12/02/16	EPA 8021B	S-GC
C6-C12	3544.6	271.74	mg/kg dry	10	P6K3004	11/28/16	11/29/16	TX 1005	
>C12-C28	7151.8	271.74	mg/kg dry	10	P6K3004	11/28/16	11/29/16	TX 1005	
>C28-C35	903.91	271.74	mg/kg dry	10	P6K3004	11/28/16	11/29/16	TX 1005	
<i>Surrogate: 1-Chlorooctane</i>		110 %		70-130	P6K3004	11/28/16	11/29/16	TX 1005	
<i>Surrogate: o-Terphenyl</i>		104 %		70-130	P6K3004	11/28/16	11/29/16	TX 1005	
Total Hydrocarbon nC6-nC35	11600	271.74	mg/kg dry	10	[CALC]	11/28/16	11/29/16	[CALC]	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.09	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	8.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

SP4-1'-2'
6K23011-15 (Soil)

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

Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	764.21	140.45	mg/kg dry	5	P6K3004	11/28/16	11/29/16	TX 1005	
>C12-C28	4972.8	140.45	mg/kg dry	5	P6K3004	11/28/16	11/29/16	TX 1005	
>C28-C35	803.93	140.45	mg/kg dry	5	P6K3004	11/28/16	11/29/16	TX 1005	
<i>Surrogate: 1-Chlorooctane</i>		122 %		70-130	P6K3004	11/28/16	11/29/16	TX 1005	
<i>Surrogate: o-Terphenyl</i>		106 %		70-130	P6K3004	11/28/16	11/29/16	TX 1005	
Total Hydrocarbon nC6-nC35	6541.0	140.45	mg/kg dry	5	[CALC]	11/28/16	11/29/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.12	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	11.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

SP4-2'-3'
6K23011-16 (Soil)

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

Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	ND	26.316	mg/kg dry	1	P6K3004	11/28/16	11/29/16	TX 1005	
>C12-C28	37.274	26.316	mg/kg dry	1	P6K3004	11/28/16	11/29/16	TX 1005	
>C28-C35	ND	26.316	mg/kg dry	1	P6K3004	11/28/16	11/29/16	TX 1005	
<i>Surrogate: 1-Chlorooctane</i>		102 %	70-130		P6K3004	11/28/16	11/29/16	TX 1005	
<i>Surrogate: o-Terphenyl</i>		104 %	70-130		P6K3004	11/28/16	11/29/16	TX 1005	
Total Hydrocarbon nC6-nC35	37.274	26.316	mg/kg dry	1	[CALC]	11/28/16	11/29/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

Chloride	60.4	1.05	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:

SP4-3'-4'
6K23011-17 (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	135	1.05	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

SP5-0'-1'
6K23011-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.0222	mg/kg dry	20	P6L0202	12/01/16	12/02/16	EPA 8021B	
Toluene	4.44	0.0444	mg/kg dry	20	P6L0202	12/01/16	12/02/16	EPA 8021B	
Ethylbenzene	8.75	0.0222	mg/kg dry	20	P6L0202	12/01/16	12/02/16	EPA 8021B	
Xylene (p/m)	11.0	0.0444	mg/kg dry	20	P6L0202	12/01/16	12/02/16	EPA 8021B	
Xylene (o)	6.33	0.0222	mg/kg dry	20	P6L0202	12/01/16	12/02/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		70.3 %	75-125		P6L0202	12/01/16	12/02/16	EPA 8021B	S-GC
<i>Surrogate: 1,4-Difluorobenzene</i>		83.9 %	75-125		P6L0202	12/01/16	12/02/16	EPA 8021B	
C6-C12	1368.4	138.89	mg/kg dry	5	P6K3004	11/28/16	11/29/16	TX 1005	
>C12-C28	3324.1	138.89	mg/kg dry	5	P6K3004	11/28/16	11/29/16	TX 1005	
>C28-C35	454.78	138.89	mg/kg dry	5	P6K3004	11/28/16	11/29/16	TX 1005	
<i>Surrogate: 1-Chlorooctane</i>		107 %	70-130		P6K3004	11/28/16	11/29/16	TX 1005	
<i>Surrogate: o-Terphenyl</i>		103 %	70-130		P6K3004	11/28/16	11/29/16	TX 1005	
Total Hydrocarbon nC6-nC35	5147.3	138.89	mg/kg dry	5	[CALC]	11/28/16	11/29/16	[CALC]	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.11	mg/kg dry	1	P6K2909	11/29/16	11/30/16	EPA 300.0	
% Moisture	10.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

SP5-1'-2'
6K23011-19 (Soil)

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

Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	ND	27.778	mg/kg dry	1	P6K3004	11/28/16	11/29/16	TX 1005	
>C12-C28	ND	27.778	mg/kg dry	1	P6K3004	11/28/16	11/29/16	TX 1005	
>C28-C35	ND	27.778	mg/kg dry	1	P6K3004	11/28/16	11/29/16	TX 1005	
<i>Surrogate: 1-Chlorooctane</i>		101 %	70-130		P6K3004	11/28/16	11/29/16	TX 1005	
<i>Surrogate: o-Terphenyl</i>		104 %	70-130		P6K3004	11/28/16	11/29/16	TX 1005	
Total Hydrocarbon nC6-nC35	ND	27.778	mg/kg dry	1	[CALC]	11/28/16	11/29/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11.7	1.11	mg/kg dry	1	P6K3001	11/30/16	12/02/16	EPA 300.0	
% Moisture	10.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:

SP5-2'-3'
6K23011-20 (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	ND	1.05	mg/kg dry	1	P6K3001	11/30/16	12/02/16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:

SP5-3'-4'
6K23011-21 (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	17.4	1.04	mg/kg dry	1	P6K3001	11/30/16	12/02/16	EPA 300.0	
% Moisture	4.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

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 P6K2906 - TX 1005

Blank (P6K2906-BLK1)

Prepared: 11/28/16 Analyzed: 11/29/16

C6-C12	ND	25.000	mg/kg wet							
>C12-C28	ND	25.000	"							
>C28-C35	ND	25.000	"							
Surrogate: 1-Chlorooctane	88.6		"	100		88.6	70-130			
Surrogate: o-Terphenyl	48.0		"	50.0		96.0	70-130			

LCS (P6K2906-BS1)

Prepared: 11/28/16 Analyzed: 11/29/16

C6-C12	1080	25.000	mg/kg wet	1000		108	75-125			
>C12-C28	1050	25.000	"	1000		105	75-125			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	54.9		"	50.0		110	70-130			

LCS Dup (P6K2906-BSD1)

Prepared: 11/28/16 Analyzed: 11/29/16

C6-C12	1080	25.000	mg/kg wet	1000		108	75-125	0.171	20	
>C12-C28	1080	25.000	"	1000		108	75-125	2.58	20	
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	51.6		"	50.0		103	70-130			

Batch P6K3004 - TX 1005

Blank (P6K3004-BLK1)

Prepared: 11/28/16 Analyzed: 11/29/16

C6-C12	ND	25.000	mg/kg wet							
>C12-C28	ND	25.000	"							
>C28-C35	ND	25.000	"							
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	67.8		"	50.0		136	70-130			S-GC

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

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 P6K3004 - TX 1005

LCS (P6K3004-BS1)

Prepared: 11/28/16 Analyzed: 11/29/16

C6-C12	1210	25.000	mg/kg wet	1000		121	75-125			
>C12-C28	1190	25.000	"	1000		119	75-125			
Surrogate: 1-Chlorooctane	130		"	100		130	70-130			
Surrogate: o-Terphenyl	58.5		"	50.0		117	70-130			

Batch P6L0108 - General Preparation (GC)

Blank (P6L0108-BLK1)

Prepared & Analyzed: 12/01/16

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: 4-Bromofluorobenzene	0.0572		"	0.0600		95.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.0562		"	0.0600		93.7	75-125			

LCS (P6L0108-BS1)

Prepared & Analyzed: 12/01/16

Benzene	0.0870	0.00100	mg/kg wet	0.100		87.0	70-130			
Toluene	0.0878	0.00200	"	0.100		87.8	70-130			
Ethylbenzene	0.103	0.00100	"	0.100		103	70-130			
Xylene (p/m)	0.188	0.00200	"	0.200		94.0	70-130			
Xylene (o)	0.0918	0.00100	"	0.100		91.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.0639		"	0.0600		106	75-125			
Surrogate: 1,4-Difluorobenzene	0.0569		"	0.0600		94.9	75-125			

LCS Dup (P6L0108-BS1)

Prepared & Analyzed: 12/01/16

Benzene	0.0849	0.00100	mg/kg wet	0.100		84.9	70-130	2.44	20	
Toluene	0.0870	0.00200	"	0.100		87.0	70-130	0.950	20	
Ethylbenzene	0.103	0.00100	"	0.100		103	70-130	0.165	20	
Xylene (p/m)	0.184	0.00200	"	0.200		92.0	70-130	2.15	20	
Xylene (o)	0.0901	0.00100	"	0.100		90.1	70-130	1.87	20	
Surrogate: 1,4-Difluorobenzene	0.0590		"	0.0600		98.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.0626		"	0.0600		104	75-125			

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

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 P6L0108 - General Preparation (GC)

Matrix Spike (P6L0108-MS1)	Source: 6L01007-01			Prepared & Analyzed: 12/01/16						
Benzene	0.100	0.00108	mg/kg dry	0.215	ND	46.7	80-120			QM-07
Toluene	0.0376	0.00215	"	0.215	ND	17.5	80-120			QM-07
Ethylbenzene	0.0602	0.00108	"	0.215	ND	28.0	80-120			QM-07
Xylene (p/m)	0.0959	0.00215	"	0.430	ND	22.3	80-120			QM-07
Xylene (o)	0.0829	0.00108	"	0.215	ND	38.5	80-120			QM-07
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0680</i>		<i>"</i>	<i>0.0645</i>		<i>105</i>	<i>75-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0789</i>		<i>"</i>	<i>0.0645</i>		<i>122</i>	<i>75-125</i>			

Matrix Spike Dup (P6L0108-MSD1)	Source: 6L01007-01			Prepared & Analyzed: 12/01/16						
Benzene	0.106	0.00108	mg/kg dry	0.215	ND	49.5	80-120	5.75	20	QM-07
Toluene	0.0500	0.00215	"	0.215	ND	23.2	80-120	28.3	20	QM-07
Ethylbenzene	0.0758	0.00108	"	0.215	ND	35.2	80-120	22.9	20	QM-07
Xylene (p/m)	0.117	0.00215	"	0.430	ND	27.3	80-120	20.2	20	QM-07
Xylene (o)	0.0931	0.00108	"	0.215	ND	43.3	80-120	11.6	20	QM-07
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0749</i>		<i>"</i>	<i>0.0645</i>		<i>116</i>	<i>75-125</i>			
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0686</i>		<i>"</i>	<i>0.0645</i>		<i>106</i>	<i>75-125</i>			

Batch P6L0202 - General Preparation (GC)

Blank (P6L0202-BLK1)	Prepared & Analyzed: 12/01/16									
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	"							
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0589</i>		<i>"</i>	<i>0.0600</i>		<i>98.2</i>	<i>75-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0606</i>		<i>"</i>	<i>0.0600</i>		<i>101</i>	<i>75-125</i>			

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

Fax:

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 P6L0202 - General Preparation (GC)

LCS (P6L0202-BS1)										
Prepared & Analyzed: 12/01/16										
Benzene	0.0821	0.00100	mg/kg wet	0.100		82.1	70-130			
Toluene	0.0856	0.00200	"	0.100		85.6	70-130			
Ethylbenzene	0.0973	0.00100	"	0.100		97.3	70-130			
Xylene (p/m)	0.178	0.00200	"	0.200		89.2	70-130			
Xylene (o)	0.0906	0.00100	"	0.100		90.6	70-130			
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0604</i>		"	<i>0.0600</i>		<i>101</i>	<i>75-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0668</i>		"	<i>0.0600</i>		<i>111</i>	<i>75-125</i>			

LCS Dup (P6L0202-BSD1)										
Prepared & Analyzed: 12/01/16										
Benzene	0.0845	0.00100	mg/kg wet	0.100		84.5	70-130	2.83	20	
Toluene	0.0896	0.00200	"	0.100		89.6	70-130	4.46	20	
Ethylbenzene	0.104	0.00100	"	0.100		104	70-130	6.43	20	
Xylene (p/m)	0.185	0.00200	"	0.200		92.5	70-130	3.69	20	
Xylene (o)	0.0935	0.00100	"	0.100		93.5	70-130	3.17	20	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0628</i>		"	<i>0.0600</i>		<i>105</i>	<i>75-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0675</i>		"	<i>0.0600</i>		<i>112</i>	<i>75-125</i>			

Matrix Spike (P6L0202-MS1)										
Source: 6K23011-16										
Prepared: 12/01/16 Analyzed: 12/02/16										
Benzene	0.138	0.00105	mg/kg dry	0.211	ND	65.6	80-120			QM-07
Toluene	0.147	0.00211	"	0.211	ND	69.8	80-120			QM-07
Ethylbenzene	0.171	0.00105	"	0.211	0.00157	80.7	80-120			
Xylene (p/m)	0.300	0.00211	"	0.421	0.00792	69.4	80-120			QM-07
Xylene (o)	0.159	0.00105	"	0.211	0.00463	73.5	80-120			QM-07
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0678</i>		"	<i>0.0632</i>		<i>107</i>	<i>75-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0649</i>		"	<i>0.0632</i>		<i>103</i>	<i>75-125</i>			

Matrix Spike Dup (P6L0202-MSD1)										
Source: 6K23011-16										
Prepared: 12/01/16 Analyzed: 12/02/16										
Benzene	0.0995	0.00105	mg/kg dry	0.211	ND	47.3	80-120	32.5	20	
Toluene	0.107	0.00211	"	0.211	ND	50.7	80-120	31.7	20	
Ethylbenzene	0.125	0.00105	"	0.211	0.00157	58.9	80-120	31.3	20	
Xylene (p/m)	0.221	0.00211	"	0.421	0.00792	50.6	80-120	31.3	20	
Xylene (o)	0.116	0.00105	"	0.211	0.00463	52.7	80-120	33.0	20	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0577</i>		"	<i>0.0632</i>		<i>91.3</i>	<i>75-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0665</i>		"	<i>0.0632</i>		<i>105</i>	<i>75-125</i>			

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

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 P6K2901 - *** DEFAULT PREP ***										
Blank (P6K2901-BLK1) Prepared & Analyzed: 11/29/16										
% Moisture	ND	0.1	%							
Blank (P6K2901-BLK2) Prepared & Analyzed: 11/29/16										
% Moisture	ND	0.1	%							
Duplicate (P6K2901-DUP1) Source: 6K23005-04 Prepared & Analyzed: 11/29/16										
% Moisture	19.0	0.1	%		19.0			0.00	20	
Duplicate (P6K2901-DUP2) Source: 6K23005-31 Prepared & Analyzed: 11/29/16										
% Moisture	15.0	0.1	%		15.0			0.00	20	
Duplicate (P6K2901-DUP3) Source: 6K23010-07 Prepared & Analyzed: 11/29/16										
% Moisture	8.0	0.1	%		8.0			0.00	20	
Batch P6K2909 - *** DEFAULT PREP ***										
Blank (P6K2909-BLK1) Prepared: 11/29/16 Analyzed: 11/30/16										
Chloride	ND	1.00	mg/kg wet							
LCS (P6K2909-BS1) Prepared: 11/29/16 Analyzed: 11/30/16										
Chloride	377	1.00	mg/kg wet	400		94.3	80-120			
LCS Dup (P6K2909-BSD1) Prepared: 11/29/16 Analyzed: 11/30/16										
Chloride	387	1.00	mg/kg wet	400		96.8	80-120	2.66	20	
Duplicate (P6K2909-DUP1) Source: 6K23009-04 Prepared: 11/29/16 Analyzed: 11/30/16										
Chloride	1960	10.9	mg/kg dry		1950			0.473	20	

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

Project: Gissler A 27
 Project Number: [none]
 Project Manager: Kevin Freeman

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 P6K2909 - *** DEFAULT PREP ***										
Duplicate (P6K2909-DUP2)		Source: 6K23011-09		Prepared: 11/29/16		Analyzed: 11/30/16				
Chloride	91.6	1.05	mg/kg dry		92.0			0.482	20	
Matrix Spike (P6K2909-MS1)		Source: 6K23009-04		Prepared: 11/29/16		Analyzed: 11/30/16				
Chloride	3410	10.9	mg/kg dry	1300	1950	112	80-120			
Batch P6K3001 - *** DEFAULT PREP ***										
Blank (P6K3001-BLK1)				Prepared: 11/30/16		Analyzed: 12/02/16				
Chloride	ND	1.00	mg/kg wet							
LCS (P6K3001-BS1)				Prepared: 11/30/16		Analyzed: 12/02/16				
Chloride	400	1.00	mg/kg wet	400		99.9	80-120			
LCS Dup (P6K3001-BSD1)				Prepared: 11/30/16		Analyzed: 12/02/16				
Chloride	399	1.00	mg/kg wet	400		99.7	80-120	0.163	20	
Duplicate (P6K3001-DUP1)		Source: 6K23011-19		Prepared: 11/30/16		Analyzed: 12/02/16				
Chloride	12.6	1.11	mg/kg dry		11.7			7.69	20	
Duplicate (P6K3001-DUP2)		Source: 6K29005-07		Prepared: 11/30/16		Analyzed: 12/02/16				
Chloride	167	10.9	mg/kg dry		169			1.42	20	
Matrix Spike (P6K3001-MS1)		Source: 6K23011-19		Prepared: 11/30/16		Analyzed: 12/02/16				
Chloride	1130	1.11	mg/kg dry	1110	11.7	101	80-120			

Notes and Definitions

S-GC1	Surrogate recovery outside of control limits. A second analysis confirmed the original results..
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
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:

12/6/2016

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.

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

Project: Gissler A 27
Project Number: [none]
Project Manager: Kevin Freeman

Fax:



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Kevin Freeman & Johnny Trisworth

Project Name: Gissler A 27

Company Name: Burnett Oil Company, Inc.

Project #: 5

Company Address: 24 Smith Road, Suite 100

Project Loc: Loco Hills, NM

City/State/Zip: Midland, TX 70705

PO #:

Telephone No: 432-425-2891

Fax No: 817-332-2438

Report Format: Standard TRRP NPDES

Sampler Signature: _____

e-mail:

jitisworth@burnettoil.com
k.freeman@aspengrow.us
messq@cox.net
d.holt@aspengrow.us

ORDER #: **668301**

Preservation & # of Containers

Matrix

Analyze For:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B
10	SP3-0-1'	S	1'	11/22/16				X	X	X
11	SP3-1-2'	S	2'	11/22/16				X	X	X
12	SP3-2-3'	S	3'	11/22/16				X	X	X
13	SP3-3-4'	S	4'	11/22/16				X	X	X
14	SP4-0-1'	S	1'	11/22/16				X	X	X
15	SP4-1-2'	S	2'	11/22/16				X	X	X
16	SP4-2-3'	S	3'	11/22/16				X	X	X
17	SP4-3-4'	S	4'	11/22/16				X	X	X

Special Instructions:

If total TPH exceeds 5,000 mg/kg, run deeper samples. If total BTEX exceeds 50 mg/kg or Benzene exceeds 10 mg/kg run deeper samples.
If Benzene exceeds 10 mg/kg, run deeper sample.

Retinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	11/23/16	12:15	<i>[Signature]</i>	11/23/16	12:19
Retinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:
 Sample Containers: Inactive
 VOCs Free of Headspace?
 Labels on Containers (S)
 Custody seals on containers (S)
 (Custody seals on coolers (S))
 Sample Hand Delivered by Sampler/Client Rep.?
 by Courier? UPS DHL FedEx Lone Star
 Temperature Upon Receipt: 28.0 °C
 Adjusted: ACELI



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Kevin Freeman & Johnny Trisworth

Project Name: Gessler A27

Company Name: Burnett Oil Company, Inc.

Project #: 5

Company Address: 24 Smith Road, Suite 100

Project Loc: Loco Hills, NM

City/State/Zip: Midland, TX 70705

PO #:

Telephone No: 432-425-2891

Fax No: 817-332-2438

Report Format: X Standard [] TRRP [] NPDES

Sampler Signature:

e-mail:

jitworth@burnettoil.com
k.freeman@aspengrow.us
d.holt@aspengrow.us

ORDER #: 06123011

Table with columns: LAB # (lab use only), FIELD CODE, Beginning Depth, Ending Depth, Date Sampled, Time Sampled, Field Filtered, Total #. of Containers, Ice, HNO3 250, ml Poly, HCl, H2SO4, NaOH, Na2S2O3, None 1L Poly, NaOH/ZnAc, Matrix, Analyze For (TPH by TX 1005 8015B 8015M, Chloride, BTEX by 8021B), Rush 24 48 72 (Please call) Standard

Special Instructions: If total TPH exceeds 5,000 mg/kg, run deeper samples. If total BTEX exceeds 50 mg/kg or Benzene exceeds 10 mg/kg run deeper samples.

Administrative fields: Requisitioned by, Date, Time, Received by, Date, Time, Laboratory Comments, Sample Containers Intact?, VOCs Free of Headspace?, Labels on Containers?, Custody seals on container(s), Sample Hand Delivered by Sampler/Client Rep?, Temperature Upon Receipt, Adjusted: 8.0 C Factor