

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



Analytical Report

Prepared for:

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

Project: Gissler 'B'-5 TB
Project Number: [none]
Location: Loco Hills NM

Lab Order Number: 6K23010



NELAP/TCEQ # T104704156-16-6

Report Date: 12/06/16

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

Project: Gissler 'B'-5 TB
Project Number: [none]
Project Manager: Johnny Titsworth

Fax:

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP1-0'-1'	6K23010-01	Soil	11/22/16 00:00	11-23-2016 12:17
SP2 0'-1'	6K23010-04	Soil	11/22/16 00:00	11-23-2016 12:17

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 Midland TX, 79705

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SP1-0'-1'
6K23010-01 (Soil)

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

Organics by GC

C6-C12	ND	25.773	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
>C12-C28	1248.2	25.773	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
>C28-C35	234.28	25.773	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: 1-Chlorooctane</i>		101 %	70-130		P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: o-Terphenyl</i>		110 %	70-130		P6K2906	11/28/16	11/29/16	TX 1005	
Total Hydrocarbon nC6-nC35	1482.5	25.773	mg/kg dry	1	[CALC]	11/28/16	11/29/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	3.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	
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 Project Manager: Johnny Titsworth

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SP2 0'-1'
6K23010-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
C6-C12	ND	28.736	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
>C12-C28	51.805	28.736	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
>C28-C35	ND	28.736	mg/kg dry	1	P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: 1-Chlorooctane</i>		99.7 %	70-130		P6K2906	11/28/16	11/29/16	TX 1005	
<i>Surrogate: o-Terphenyl</i>		108 %	70-130		P6K2906	11/28/16	11/29/16	TX 1005	
Total Hydrocarbon nC6-nC35	51.805	28.736	mg/kg dry	1	[CALC]	11/28/16	11/29/16	[CALC]	
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	13.0	0.1	%	1	P6K2901	11/29/16	11/29/16	% calculation	

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**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
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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	"							
<i>Surrogate: 1-Chlorooctane</i>	88.6		"	100		88.6	70-130			
<i>Surrogate: o-Terphenyl</i>	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			
<i>Surrogate: 1-Chlorooctane</i>	121		"	100		121	70-130			
<i>Surrogate: o-Terphenyl</i>	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	
<i>Surrogate: 1-Chlorooctane</i>	122		"	100		122	70-130			
<i>Surrogate: o-Terphenyl</i>	51.6		"	50.0		103	70-130			

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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	

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Notes and Definitions

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

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