

**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 'A' 43  
Project Number: [none]  
Location: Loco Hills ,NM  
Lab Order Number: 6I13004



NELAP/TCEQ # T104704156-16-6

Report Date: 09/20/16

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

Project: Gissler 'A' 43  
Project Number: [none]  
Project Manager: Johnny Titsworth

Fax:

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP1 (0-1.0)	6113004-01	Soil	09/13/16 00:00	09-13-2016 11:15
SP1 (1-1.5)	6113004-02	Soil	09/13/16 00:00	09-13-2016 11:15
SP1 (2-2.5)	6113004-03	Soil	09/13/16 00:00	09-13-2016 11:15
SP1 (3-3.5)	6113004-04	Soil	09/13/16 00:00	09-13-2016 11:15
SP1 (4-4.5)	6113004-05	Soil	09/13/16 00:00	09-13-2016 11:15
SP2 (0-1.0)	6113004-07	Soil	09/13/16 00:00	09-13-2016 11:15
SP2 (1-1.5)	6113004-08	Soil	09/13/16 00:00	09-13-2016 11:15
SP3 (0-1.0)	6113004-12	Soil	09/13/16 00:00	09-13-2016 11:15
SP3 (1-1.5)	6113004-13	Soil	09/13/16 00:00	09-13-2016 11:15
SP4 (0-1.0)	6113004-16	Soil	09/13/16 00:00	09-13-2016 11:15
SP5 (0-1.0)	6113004-20	Soil	09/13/16 00:00	09-13-2016 11:15
SP5 (1-1.5)	6113004-21	Soil	09/13/16 00:00	09-13-2016 11:15
SP6 (0-1.0)	6113004-25	Soil	09/13/16 00:00	09-13-2016 11:15
SP7 (0-1.0)	6113004-29	Soil	09/13/16 00:00	09-13-2016 11:15
SP7 (1-1.5)	6113004-30	Soil	09/13/16 00:00	09-13-2016 11:15
SP7 (2-2.5)	6113004-31	Soil	09/13/16 00:00	09-13-2016 11:15
SP7 (3-3.5)	6113004-32	Soil	09/13/16 00:00	09-13-2016 11:15
SP8 (0-1.0)	6113004-35	Soil	09/13/16 00:00	09-13-2016 11:15
SP8 (1-1.5)	6113004-36	Soil	09/13/16 00:00	09-13-2016 11:15

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Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

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**SP1 (0-1.0)**  
**6I13004-01 (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**

Benzene	ND	0.0227	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Toluene</b>	<b>0.242</b>	0.0455	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.248</b>	0.0227	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Xylene (p/m)</b>	<b>1.52</b>	0.0455	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Xylene (o)</b>	<b>1.46</b>	0.0227	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		82.7 %	75-125		P611901	09/17/16	09/18/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		76.7 %	75-125		P611901	09/17/16	09/18/16	EPA 8021B	

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>12.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>1960</b>	284	mg/kg dry	10	P611507	09/13/16	09/15/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>10400</b>	284	mg/kg dry	10	P611507	09/13/16	09/15/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>1750</b>	284	mg/kg dry	10	P611507	09/13/16	09/15/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		125 %	70-130		P611507	09/13/16	09/15/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		115 %	70-130		P611507	09/13/16	09/15/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>14200</b>	284	mg/kg dry	10	[CALC]	09/13/16	09/15/16	calc	

Burnett Oil Company, Inc.  
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Project: Gissler 'A' 43  
 Project Number: [none]  
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**SP1 (1-1.5)**  
**6I13004-02 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>17.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>2150</b>	151	mg/kg dry	5	P611507	09/13/16	09/15/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>5150</b>	151	mg/kg dry	5	P611507	09/13/16	09/15/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>809</b>	151	mg/kg dry	5	P611507	09/13/16	09/15/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		111 %	70-130		P611507	09/13/16	09/15/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		97.8 %	70-130		P611507	09/13/16	09/15/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>8120</b>	151	mg/kg dry	5	[CALC]	09/13/16	09/15/16	calc	

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Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

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**SP1 (2-2.5)**  
**6I13004-03 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>17.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>3530</b>	151	mg/kg dry	5	P611507	09/13/16	09/15/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>8220</b>	151	mg/kg dry	5	P611507	09/13/16	09/15/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>1270</b>	151	mg/kg dry	5	P611507	09/13/16	09/15/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		120 %	70-130		P611507	09/13/16	09/15/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		105 %	70-130		P611507	09/13/16	09/15/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>13000</b>	151	mg/kg dry	5	[CALC]	09/13/16	09/15/16	calc	

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Fax:

**SP1 (3-3.5)**  
**6I13004-04 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>17.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>1170</b>	151	mg/kg dry	5	P611507	09/13/16	09/15/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>3910</b>	151	mg/kg dry	5	P611507	09/13/16	09/15/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>628</b>	151	mg/kg dry	5	P611507	09/13/16	09/15/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		118 %	70-130		P611507	09/13/16	09/15/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		119 %	70-130		P611507	09/13/16	09/15/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>5710</b>	151	mg/kg dry	5	[CALC]	09/13/16	09/15/16	calc	

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**SP1 (4-4.5)**  
**6I13004-05 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>13.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

C6-C12	ND	28.7	mg/kg dry	1	P611507	09/13/16	09/15/16	TPH 8015M	
>C12-C28	<b>81.6</b>	28.7	mg/kg dry	1	P611507	09/13/16	09/15/16	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P611507	09/13/16	09/15/16	TPH 8015M	
Surrogate: 1-Chlorooctane		125 %		70-130	P611507	09/13/16	09/15/16	TPH 8015M	
Surrogate: o-Terphenyl		121 %		70-130	P611507	09/13/16	09/15/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>81.6</b>	28.7	mg/kg dry	1	[CALC]	09/13/16	09/15/16	calc	

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**SP2 (0-1.0)**  
**6I13004-07 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>8.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>4690</b>	272	mg/kg dry	10	P611508	09/14/16	09/14/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>14700</b>	272	mg/kg dry	10	P611508	09/14/16	09/14/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>2000</b>	272	mg/kg dry	10	P611508	09/14/16	09/14/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		110 %	70-130		P611508	09/14/16	09/14/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		93.4 %	70-130		P611508	09/14/16	09/14/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>21400</b>	272	mg/kg dry	10	[CALC]	09/14/16	09/14/16	calc	

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Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

Fax:

**SP2 (1-1.5)**  
**6I13004-08 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>3.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>63.0</b>	25.8	mg/kg dry	1	P611508	09/14/16	09/14/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>257</b>	25.8	mg/kg dry	1	P611508	09/14/16	09/14/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>43.5</b>	25.8	mg/kg dry	1	P611508	09/14/16	09/14/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		83.3 %	70-130		<i>P611508</i>	<i>09/14/16</i>	<i>09/14/16</i>	<i>TPH 8015M</i>	
<i>Surrogate: o-Terphenyl</i>		89.9 %	70-130		<i>P611508</i>	<i>09/14/16</i>	<i>09/14/16</i>	<i>TPH 8015M</i>	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>363</b>	25.8	mg/kg dry	1	[CALC]	09/14/16	09/14/16	calc	

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Fax:

**SP3 (0-1.0)**  
**6I13004-12 (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**

Benzene	ND	0.00109	mg/kg dry	1	P611901	09/17/16	09/18/16	EPA 8021B	
Toluene	ND	0.00217	mg/kg dry	1	P611901	09/17/16	09/18/16	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.00265</b>	0.00217	mg/kg dry	1	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00229</b>	0.00109	mg/kg dry	1	P611901	09/17/16	09/18/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		103 %	75-125		P611901	09/17/16	09/18/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		77.3 %	75-125		P611901	09/17/16	09/18/16	EPA 8021B	

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>8.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>996</b>	136	mg/kg dry	5	P611508	09/14/16	09/14/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>7210</b>	136	mg/kg dry	5	P611508	09/14/16	09/14/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>845</b>	136	mg/kg dry	5	P611508	09/14/16	09/14/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		93.7 %	70-130		P611508	09/14/16	09/14/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		95.4 %	70-130		P611508	09/14/16	09/14/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>9050</b>	136	mg/kg dry	5	[CALC]	09/14/16	09/14/16	calc	

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 Project Manager: Johnny Titsworth

Fax:

**SP3 (1-1.5)**  
**6I13004-13 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>2.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>118</b>	25.5	mg/kg dry	1	P611508	09/14/16	09/14/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>239</b>	25.5	mg/kg dry	1	P611508	09/14/16	09/14/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>41.1</b>	25.5	mg/kg dry	1	P611508	09/14/16	09/14/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		88.9 %	70-130		<i>P611508</i>	<i>09/14/16</i>	<i>09/14/16</i>	<i>TPH 8015M</i>	
<i>Surrogate: o-Terphenyl</i>		94.7 %	70-130		<i>P611508</i>	<i>09/14/16</i>	<i>09/14/16</i>	<i>TPH 8015M</i>	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>398</b>	25.5	mg/kg dry	1	[CALC]	09/14/16	09/14/16	calc	

Burnett Oil Company, Inc.  
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Fax:

**SP4 (0-1.0)**  
**6I13004-16 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

% Moisture	13.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

C6-C12	ND	28.7	mg/kg dry	1	P611508	09/14/16	09/14/16	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P611508	09/14/16	09/14/16	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P611508	09/14/16	09/14/16	TPH 8015M	
Surrogate: 1-Chlorooctane		86.8 %		70-130	P611508	09/14/16	09/14/16	TPH 8015M	
Surrogate: o-Terphenyl		96.6 %		70-130	P611508	09/14/16	09/14/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	09/14/16	09/14/16	calc	

Burnett Oil Company, Inc.  
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Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

Fax:

**SP5 (0-1.0)**  
**6I13004-20 (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**

Benzene	ND	0.0215	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Toluene</b>	<b>0.0447</b>	0.0430	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Ethylbenzene</b>	<b>1.47</b>	0.0215	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Xylene (p/m)</b>	<b>2.54</b>	0.0430	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Xylene (o)</b>	<b>1.13</b>	0.0215	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		116 %	75-125		P611901	09/17/16	09/18/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		120 %	75-125		P611901	09/17/16	09/18/16	EPA 8021B	

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>7.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>1980</b>	269	mg/kg dry	10	P611508	09/14/16	09/14/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>6950</b>	269	mg/kg dry	10	P611508	09/14/16	09/14/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>841</b>	269	mg/kg dry	10	P611508	09/14/16	09/14/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		101 %	70-130		P611508	09/14/16	09/14/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		86.0 %	70-130		P611508	09/14/16	09/14/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>9770</b>	269	mg/kg dry	10	[CALC]	09/14/16	09/14/16	calc	

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

Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

Fax:

**SP5 (1-1.5)**  
**6I13004-21 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>7.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

C6-C12	ND	26.9	mg/kg dry	1	P611508	09/14/16	09/14/16	TPH 8015M	
>C12-C28	<b>90.0</b>	26.9	mg/kg dry	1	P611508	09/14/16	09/14/16	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P611508	09/14/16	09/14/16	TPH 8015M	
Surrogate: 1-Chlorooctane		86.2 %		70-130	P611508	09/14/16	09/14/16	TPH 8015M	
Surrogate: o-Terphenyl		97.7 %		70-130	P611508	09/14/16	09/14/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>90.0</b>	26.9	mg/kg dry	1	[CALC]	09/14/16	09/14/16	calc	

Burnett Oil Company, Inc.  
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 Midland TX, 79705

Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

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**SP6 (0-1.0)**  
**6I13004-25 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>9.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>150</b>	27.5	mg/kg dry	1	P611508	09/14/16	09/15/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>818</b>	27.5	mg/kg dry	1	P611508	09/14/16	09/15/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>87.9</b>	27.5	mg/kg dry	1	P611508	09/14/16	09/15/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		94.6 %	70-130		P611508	09/14/16	09/15/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		104 %	70-130		P611508	09/14/16	09/15/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>1060</b>	27.5	mg/kg dry	1	[CALC]	09/14/16	09/15/16	calc	

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 Midland TX, 79705

Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

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**SP7 (0-1.0)**  
**6I13004-29 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>13.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>1860</b>	144	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>5120</b>	144	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>644</b>	144	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		85.6 %	70-130		<i>P611510</i>	<i>09/14/16</i>	<i>09/15/16</i>	<i>TPH 8015M</i>	
<i>Surrogate: o-Terphenyl</i>		88.4 %	70-130		<i>P611510</i>	<i>09/14/16</i>	<i>09/15/16</i>	<i>TPH 8015M</i>	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>7620</b>	144	mg/kg dry	5	[CALC]	09/14/16	09/15/16	calc	

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 Midland TX, 79705

Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

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**SP7 (1-1.5)**  
**6I13004-30 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>15.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
<b>Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M</b>									
<b>C6-C12</b>	<b>1930</b>	147	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>4150</b>	147	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>609</b>	147	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		91.4 %	70-130		P611510	09/14/16	09/15/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		92.7 %	70-130		P611510	09/14/16	09/15/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>6680</b>	147	mg/kg dry	5	[CALC]	09/14/16	09/15/16	calc	

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Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

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**SP7 (2-2.5)**  
**6I13004-31 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>10.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>880</b>	139	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>2040</b>	139	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>320</b>	139	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		103 %	70-130		P611510	09/14/16	09/15/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		97.9 %	70-130		P611510	09/14/16	09/15/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>3240</b>	139	mg/kg dry	5	[CALC]	09/14/16	09/15/16	calc	

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Midland TX, 79705

Project: Gissler 'A' 43  
Project Number: [none]  
Project Manager: Johnny Titsworth

Fax:

**SP7 (3-3.5)**  
**6I13004-32 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

% Moisture	10.0	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

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**SP8 (0-1.0)**  
**6I13004-35 (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**

Benzene	ND	0.0215	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Toluene</b>	<b>0.359</b>	0.0430	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.697</b>	0.0215	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Xylene (p/m)</b>	<b>2.55</b>	0.0430	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<b>Xylene (o)</b>	<b>3.25</b>	0.0215	mg/kg dry	20	P611901	09/17/16	09/18/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		110 %	75-125		P611901	09/17/16	09/18/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.5 %	75-125		P611901	09/17/16	09/18/16	EPA 8021B	

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>7.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
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**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>1540</b>	134	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>5470</b>	134	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>824</b>	134	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		82.1 %	70-130		P611510	09/14/16	09/15/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		92.0 %	70-130		P611510	09/14/16	09/15/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>7830</b>	134	mg/kg dry	5	[CALC]	09/14/16	09/15/16	calc	

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 Midland TX, 79705

Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

Fax:

**SP8 (1-1.5)**  
**6I13004-36 (Soil)**

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

**General Chemistry Parameters by EPA / Standard Methods**

<b>% Moisture</b>	<b>6.0</b>	0.1	%	1	P611509	09/15/16	09/15/16	% calculation	
<b>Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M</b>									
<b>C6-C12</b>	<b>1670</b>	133	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<b>&gt;C12-C28</b>	<b>2750</b>	133	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<b>&gt;C28-C35</b>	<b>475</b>	133	mg/kg dry	5	P611510	09/14/16	09/15/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		120 %	70-130		P611510	09/14/16	09/15/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		92.2 %	70-130		P611510	09/14/16	09/15/16	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>4900</b>	133	mg/kg dry	5	[CALC]	09/14/16	09/15/16	calc	

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 Midland TX, 79705

Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

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
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**Batch P6I1901 - General Preparation (GC)**

<b>Blank (P6I1901-BLK1)</b>										
					Prepared: 09/17/16 Analyzed: 09/18/16					
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: 4-Bromofluorobenzene</i>	<i>0.0621</i>		<i>"</i>	<i>0.0500</i>		<i>124</i>	<i>75-125</i>			
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0570</i>		<i>"</i>	<i>0.0500</i>		<i>114</i>	<i>75-125</i>			

<b>LCS (P6I1901-BS1)</b>										
					Prepared: 09/17/16 Analyzed: 09/18/16					
Benzene	0.0917	0.00100	mg/kg wet	0.100		91.7	70-130			
Toluene	0.0894	0.00200	"	0.100		89.4	70-130			
Ethylbenzene	0.102	0.00100	"	0.100		102	70-130			
Xylene (p/m)	0.217	0.00200	"	0.200		109	70-130			
Xylene (o)	0.109	0.00100	"	0.100		109	70-130			
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0471</i>		<i>"</i>	<i>0.0500</i>		<i>94.2</i>	<i>75-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0609</i>		<i>"</i>	<i>0.0500</i>		<i>122</i>	<i>75-125</i>			

<b>LCS Dup (P6I1901-BSD1)</b>										
					Prepared: 09/17/16 Analyzed: 09/18/16					
Benzene	0.104	0.00100	mg/kg wet	0.100		104	70-130	12.8	20	
Toluene	0.102	0.00200	"	0.100		102	70-130	13.5	20	
Ethylbenzene	0.109	0.00100	"	0.100		109	70-130	6.50	20	
Xylene (p/m)	0.230	0.00200	"	0.200		115	70-130	5.43	20	
Xylene (o)	0.114	0.00100	"	0.100		114	70-130	4.83	20	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0525</i>		<i>"</i>	<i>0.0500</i>		<i>105</i>	<i>75-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0591</i>		<i>"</i>	<i>0.0500</i>		<i>118</i>	<i>75-125</i>			

<b>Matrix Spike (P6I1901-MS1)</b>										
			Source: 6I13007-09							
					Prepared: 09/17/16 Analyzed: 09/18/16					
Benzene	0.169	0.00101	mg/kg dry	0.202	ND	83.5	80-120			
Toluene	0.130	0.00202	"	0.202	ND	64.6	80-120			QM-07
Ethylbenzene	0.0503	0.00101	"	0.202	ND	24.9	80-120			QM-07
Xylene (p/m)	0.176	0.00202	"	0.404	ND	43.6	80-120			QM-07
Xylene (o)	0.118	0.00101	"	0.202	ND	58.5	80-120			QM-07
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0603</i>		<i>"</i>	<i>0.0505</i>		<i>119</i>	<i>75-125</i>			
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0531</i>		<i>"</i>	<i>0.0505</i>		<i>105</i>	<i>75-125</i>			

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

Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

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
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**Batch P6I1901 - General Preparation (GC)**

**Matrix Spike Dup (P6I1901-MSD1)**

Source: 6I13007-09

Prepared: 09/17/16

Analyzed: 09/18/16

Benzene	0.163	0.00101	mg/kg dry	0.202	ND	80.8	80-120	3.24	20	
Toluene	0.128	0.00202	"	0.202	ND	63.4	80-120	1.82	20	QM-07
Ethylbenzene	0.0494	0.00101	"	0.202	ND	24.4	80-120	1.84	20	QM-07
Xylene (p/m)	0.167	0.00202	"	0.404	ND	41.4	80-120	5.20	20	QM-07
Xylene (o)	0.102	0.00101	"	0.202	ND	50.7	80-120	14.3	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.0642		"	0.0505		127	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.0549		"	0.0505		109	75-125			

Burnett Oil Company, Inc.  
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 Midland TX, 79705

Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

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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
<b>Batch P6I1509 - *** DEFAULT PREP ***</b>										
<b>Blank (P6I1509-BLK1)</b>	Prepared & Analyzed: 09/15/16									
% Moisture	ND	0.1	%							
<b>Blank (P6I1509-BLK2)</b>	Prepared & Analyzed: 09/15/16									
% Moisture	ND	0.1	%							
<b>Duplicate (P6I1509-DUP1)</b>	<b>Source: 6I13003-01</b>		Prepared & Analyzed: 09/15/16							
% Moisture	6.0	0.1	%		6.0			0.00	20	
<b>Duplicate (P6I1509-DUP2)</b>	<b>Source: 6I13004-27</b>		Prepared & Analyzed: 09/15/16							
% Moisture	16.0	0.1	%		15.0			6.45	20	
<b>Duplicate (P6I1509-DUP3)</b>	<b>Source: 6I13007-07</b>		Prepared & Analyzed: 09/15/16							
% Moisture	5.0	0.1	%		5.0			0.00	20	
<b>Duplicate (P6I1509-DUP4)</b>	<b>Source: 6I13011-19</b>		Prepared & Analyzed: 09/15/16							
% Moisture	2.0	0.1	%		2.0			0.00	20	
<b>Duplicate (P6I1509-DUP5)</b>	<b>Source: 6I13011-44</b>		Prepared & Analyzed: 09/15/16							
% Moisture	11.0	0.1	%		11.0			0.00	20	
<b>Duplicate (P6I1509-DUP6)</b>	<b>Source: 6I13011-46</b>		Prepared & Analyzed: 09/15/16							
% Moisture	9.0	0.1	%		10.0			10.5	20	

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

Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

Fax:

**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
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**Batch P6I1507 - TX 1005**

**Blank (P6I1507-BLK1)**

Prepared: 09/13/16 Analyzed: 09/15/16

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	52.7		"	50.0		105	70-130			

**LCS (P6I1507-BS1)**

Prepared: 09/13/16 Analyzed: 09/15/16

C6-C12	1060	25.0	mg/kg wet	1000		106	75-125			
>C12-C28	1200	25.0	"	1000		120	75-125			
Surrogate: 1-Chlorooctane	129		"	100		129	70-130			
Surrogate: o-Terphenyl	53.1		"	50.0		106	70-130			

**LCS Dup (P6I1507-BSD1)**

Prepared: 09/13/16 Analyzed: 09/15/16

C6-C12	1100	25.0	mg/kg wet	1000		110	75-125	4.05	20	
>C12-C28	1100	25.0	"	1000		110	75-125	8.25	20	
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	56.0		"	50.0		112	70-130			

**Duplicate (P6I1507-DUP1)**

Source: 6113004-06

Prepared: 09/13/16 Analyzed: 09/15/16

C6-C12	147	147	mg/kg dry		166			11.6	20	
>C12-C28	1580	147	"		1560			1.27	20	
Surrogate: 1-Chlorooctane	136		"	118		116	70-130			
Surrogate: o-Terphenyl	66.2		"	58.8		112	70-130			

**Batch P6I1508 - TX 1005**

**Blank (P6I1508-BLK1)**

Prepared & Analyzed: 09/14/16

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	73.4		"	100		73.4	70-130			
Surrogate: o-Terphenyl	39.9		"	50.0		79.8	70-130			

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

Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

Fax:

**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
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**Batch P6I1508 - TX 1005**

**LCS (P6I1508-BS1)**

Prepared & Analyzed: 09/14/16

C6-C12	692	25.0	mg/kg wet	700		98.8	75-125			
>C12-C28	700	25.0	"	700		99.9	75-125			
Surrogate: 1-Chlorooctane	79.4		"	100		79.4	70-130			
Surrogate: o-Terphenyl	36.2		"	50.0		72.4	70-130			

**LCS Dup (P6I1508-BSD1)**

Prepared & Analyzed: 09/14/16

C6-C12	687	25.0	mg/kg wet	700		98.2	75-125	0.584	20	
>C12-C28	779	25.0	"	700		111	75-125	10.7	20	
Surrogate: 1-Chlorooctane	93.5		"	100		93.5	70-130			
Surrogate: o-Terphenyl	44.7		"	50.0		89.5	70-130			

**Duplicate (P6I1508-DUP1)**

Source: 6I13004-26

Prepared: 09/14/16 Analyzed: 09/15/16

C6-C12	ND	29.4	mg/kg dry		19.2				20	
>C12-C28	ND	29.4	"		24.9				20	
Surrogate: 1-Chlorooctane	119		"	118		101	70-130			
Surrogate: o-Terphenyl	65.0		"	58.8		110	70-130			

**Batch P6I1510 - TX 1005**

**Blank (P6I1510-BLK1)**

Prepared: 09/14/16 Analyzed: 09/15/16

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	73.5		"	100		73.5	70-130			
Surrogate: o-Terphenyl	39.2		"	50.0		78.4	70-130			

**LCS (P6I1510-BS1)**

Prepared: 09/14/16 Analyzed: 09/15/16

C6-C12	737	25.0	mg/kg wet	700		105	75-125			
>C12-C28	833	25.0	"	700		119	75-125			
Surrogate: 1-Chlorooctane	78.4		"	100		78.4	70-130			
Surrogate: o-Terphenyl	37.0		"	50.0		73.9	70-130			

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

Project: Gissler 'A' 43  
 Project Number: [none]  
 Project Manager: Johnny Titsworth

Fax:

**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
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**Batch P6I1510 - TX 1005**

**LCS Dup (P6I1510-BSD1)**

Prepared: 09/14/16 Analyzed: 09/15/16

C6-C12	759	25.0	mg/kg wet	700		108	75-125	2.95	20	
>C12-C28	796	25.0	"	700		114	75-125	4.59	20	
Surrogate: <i>1-Chlorooctane</i>	76.0		"	100		76.0	70-130			
Surrogate: <i>o-Terphenyl</i>	35.4		"	50.0		70.9	70-130			

**Duplicate (P6I1510-DUP1)**

Source: 6I13020-05

Prepared: 09/14/16 Analyzed: 09/15/16

C6-C12	34.2	28.4	mg/kg dry		28.6			18.1	20	
>C12-C28	147	28.4	"		116			23.7	20	
Surrogate: <i>1-Chlorooctane</i>	104		"	114		91.2	70-130			
Surrogate: <i>o-Terphenyl</i>	57.8		"	56.8		102	70-130			

### Notes and Definitions

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

Report Approved By:



Date: 9/20/2016

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.









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: Gissler 'A' 43

Company Name: Burnett Oil Company

Project #:

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

Project Loc: LOCO HILLS, NM

City/State/Zip: Loco Hills, Texas 88255

PO #:

Telephone No: 432-425-2891

Report Format:  Standard  TRRP  NPDES

Sampler Signature: *[Signature]*

Fax No:

titworth@burnettoil.com  
d.holl@aspengrow.us  
k.freeman@aspengrow.us  
nesq@cox.net

Analyze For:

ORDER #: *6113004*

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Dept	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers							Matrix	TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B	Laboratory Comments
								HNO <sub>3</sub> 250ml Poly	HCl	H <sub>2</sub> SO <sub>4</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None 1L Poly	NaOH/ZnAc					
31	SP7	2	2.5	09/13/16			1												
32	SP7	3	3.5	09/13/16			1												
33	SP7	4	4.5	09/13/16			1												
34	SP7	5	5.5	09/13/16			1												
35	SP8	0	1.0	09/13/16			1												
36	SP8	1	1.5	09/13/16			1												
37	SP8	2	2.5	09/13/16			1												
38	SP8	3	3.5	09/13/16			1												
39	SP8	4	4.5	09/13/16			1												
40	SP8	5	5.5	09/13/16			1												

Rush 24 48 72 (Please call)  
Standard

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: *[Signature]* Date: 9.13.16 Time: 11:16

Received by: *[Signature]* Date: 9.13.16 Time: 11:15

Relinquished by: Date: Received by: Date: Laboratory Comments: Sample Containers Intact? VOCS Free of Headspace? Labels on container(s) Custody seals on container(s) Sample Hand Delivered by Sampler/Client/Rep? Temperature Upon Receipt: Adjusted: UPS DHL FedEx Lone Star



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 Tisworth  
Company Name: Burnett Oil Company

Project Name: Gissler 'A' 43

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

Project Loc: LOCO HILLS, NM

City/State/Zip: Loco Hills, Texas 88255

PO #:

Telephone No: 432-425-2891

Report Format:  Standard  TRRP  NPDES

Sampler Signature: [Signature]

Fax No: [Blank]  
e-mail: j.tisworth@burnettoil.com  
d.holt@aspengrow.us  
k.treeman@aspengrow.us  
nesq@cox.net

ORDER #: CTR3004

Preservation & # of Containers

Matrix

Analyze For:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Dept	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	HNO <sub>3</sub> 250,ml Poly	HCl	H <sub>2</sub> SO <sub>4</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None 1L Poly	NaOH/ZnAc	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B	
M1		6	6.5	09/13/16			1												X		X

Rush 24 48 72 (Please call)

Standard


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: [Signature] Date: 9.13.16 Time: 11:15

Relinquished by: [Signature] Date: 9.13.16 Time: 11:15

Relinquished by: [Signature] Date: 9.13.16 Time: 11:15

Received by: [Signature] Date: 9.13.16 Time: 11:15

Received by: [Signature] Date: 9.13.16 Time: 11:15

Laboratory Comments: Sample Containers intact?  VOCS Free of Headspace?  Labels on containers?  Custody seals on containers?  Custody seals on cooler?  Sample Hand Delivered by Sampler/Client/Rep?  by Courier?  UPS  DHL  FedEx  Lone Star  Temperature Upon Receipt:  C  F  C Factor: WFL