



**Company: Fossil Resources, LLC**  
**Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

**DATE**  
 April  
**09**  
 2018

**DST #1**      **Formation: Topeka**      **Test Interval: 3614 - 3632'**      **Total Depth: 3632'**  
 Time On: 05:56 04/09      Time Off: 12:18 04/09  
 Time On Bottom: 07:55 04/09      Time Off Bottom: 10:40 04/09

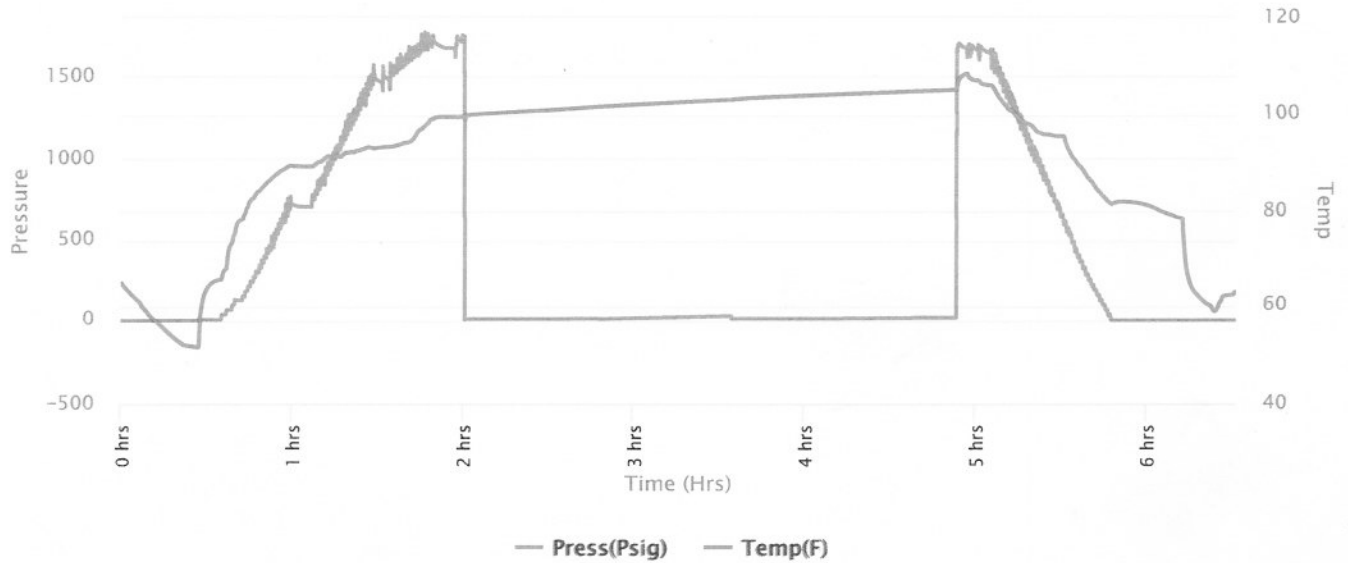
Electronic Volume Estimate:  
 5'

1st Open  
 Minutes: 45  
 .5" at 45 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 30  
 0" at 30 min

2nd Close  
 Minutes: 45  
 0" at 45 min





**Company: Fossil Resources, LLC**  
**Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

**DATE**  
 April  
**09**  
 2018

**DST #1**      **Formation: Topeka**      **Test Interval: 3614 - 3632'**      **Total Depth: 3632'**  
 Time On: 05:56 04/09      Time Off: 12:18 04/09  
 Time On Bottom: 07:55 04/09      Time Off Bottom: 10:40 04/09

Recovered

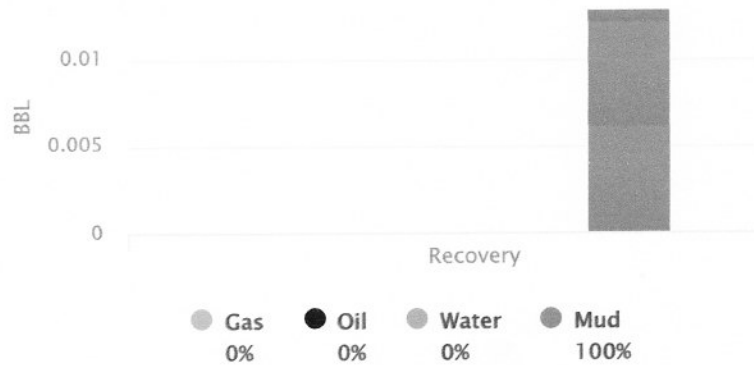
Foot	BBLs
1	0.0129

Description of Fluid	Gas %	Oil %	Water %	Mud %
M	0	0	0	100

Total Recovered: 1 ft  
 Total Barrels Recovered: 0.0129

Reversed Out  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	1672	PSI
Initial Flow	4 to 11	PSI
<b>Initial Closed in Pressure</b>	<b>27</b>	<b>PSI</b>
Final Flow Pressure	10 to 11	PSI
<b>Final Closed in Pressure</b>	<b>18</b>	<b>PSI</b>
Final Hydrostatic Pressure	1672	PSI
Temperature	105	°F
Pressure Change Initial Close / Final Close	33.1	%



**Company: Fossil Resources,  
LLC  
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Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>09</b> 2018
---

**DST #1      Formation: Topeka      Test Interval: 3614 -      Total Depth: 3632'**  
**3632'**

Time On: 05:56 04/09      Time Off: 12:18 04/09  
Time On Bottom: 07:55 04/09      Time Off Bottom: 10:40 04/09

**REMARKS:**

- 1O. WSB. Built to 1/2 in 30 mins
- 1C. NOBB
- 2O. No Blow
- 2C. NOBB

Tool Sample: 100 % M



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Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
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<b>DATE</b>
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<b>09</b>
2018

**DST #1**      **Formation: Topeka**      **Test Interval: 3614 - 3632'**      **Total Depth: 3632'**

Time On: 05:56 04/09      Time Off: 12:18 04/09  
Time On Bottom: 07:55 04/09      Time Off Bottom: 10:40 04/09

**Down Hole Makeup**

<b>Heads Up:</b> 27.09 FT	<b>Packer 1:</b> 3609 FT
<b>Drill Pipe:</b> 3608.52 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3614 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3598.42 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3619 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 18	<b>Surface Choke:</b> 1"
<u><b>Anchor Makeup</b></u>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 14 FT <i>4 1/2-FH</i>	



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SEC: 32 TWN: 12S RNG: 36W  
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Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>09</b> 2018
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**DST #1**      **Formation: Topeka**      **Test Interval: 3614 - 3632'**      **Total Depth: 3632'**  
Time On: 05:56 04/09      Time Off: 12:18 04/09  
Time On Bottom: 07:55 04/09      Time Off Bottom: 10:40 04/09

**Mud Properties**

**Mud Type:** Chem      **Weight:** 8.7      **Viscosity:** 67      **Filtrate:** 7.6      **Chlorides:** 9500 ppm





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SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

**DATE**  
 April  
**09**  
 2018

**DST #2**      **Formation: Topeka**      **Test Interval: 3618 - 3700'**      **Total Depth: 3700'**  
 Time On: 20:45 04/09      Time Off: 03:11 04/10  
 Time On Bottom: 22:05 04/09      Time Off Bottom: 00:35 04/10

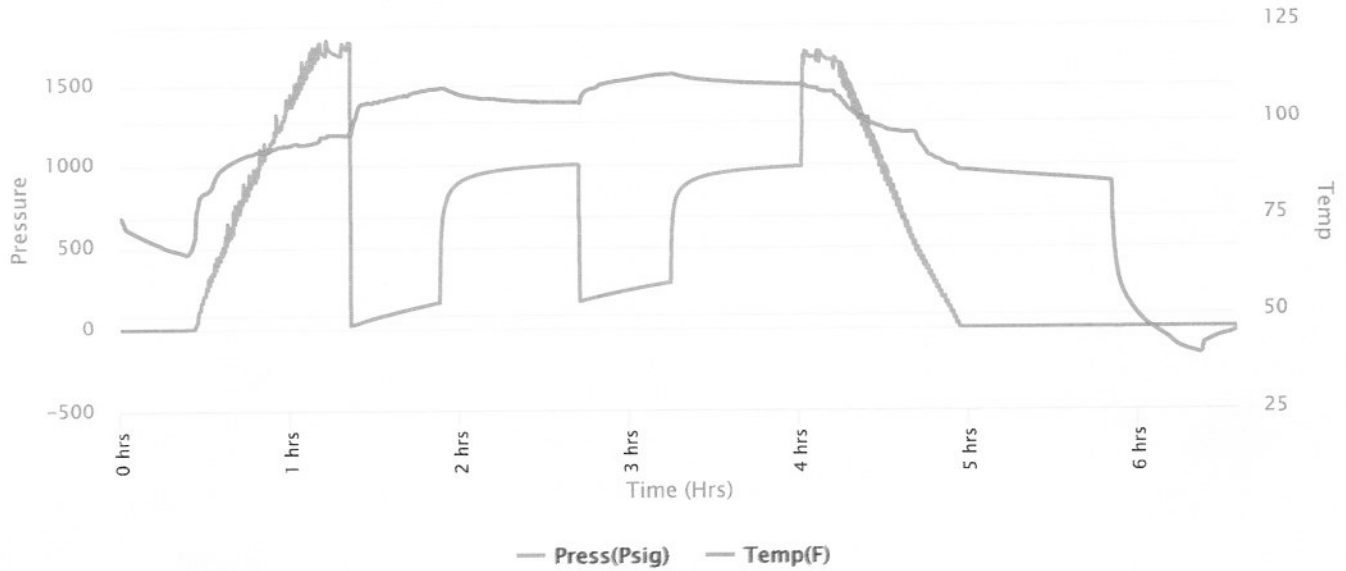
Electronic Volume Estimate:  
 552'

1st Open  
 Minutes: 30  
 31.6" at 30 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 30  
 26.1" at 30 min

2nd Close  
 Minutes: 25  
 0" at 25 min



SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2

**Company: Fossil Resources, LLC**





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**Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

**DATE**  
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**DST #2**      **Formation: Topeka**      **Test Interval: 3618 - 3700'**      **Total Depth: 3700'**

Time On: 20:45 04/09      Time Off: 03:11 04/10  
 Time On Bottom: 22:05 04/09      Time Off Bottom: 00:35 04/10

Recovered

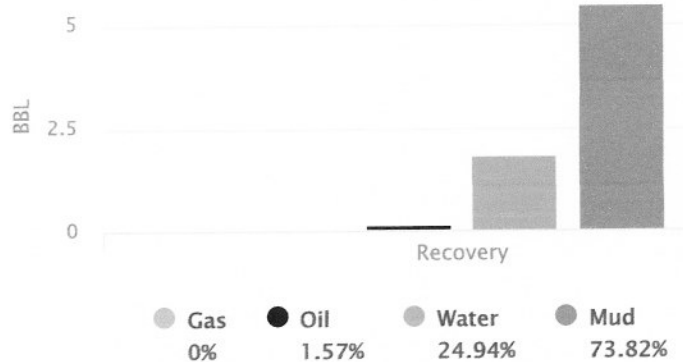
<u>Foot</u>	<u>BBLs</u>	<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
139	1.7931	SLWCSLOCM	0	2	2	96
186	2.3994	SLOCHWCM	0	2	10	89
248	3.1992	SLOCHMCW	0	1	49	50

Total Recovered: 573 ft  
 Total Barrels Recovered: 7.3917

Reversed Out  
 NO

Initial Hydrostatic Pressure	1683	PSI
Initial Flow	24 to 160	PSI
<b>Initial Closed in Pressure</b>	<b>1001</b>	<b>PSI</b>
Final Flow Pressure	174 to 279	PSI
<b>Final Closed in Pressure</b>	<b>986</b>	<b>PSI</b>
Final Hydrostatic Pressure	1685	PSI
Temperature	113	°F
Pressure Change Initial Close / Final Close	1.5	%

**Recovery at a glance**







**Company: Fossil Resources,  
LLC  
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SEC: 32 TWN: 12S RNG: 36W  
County: LOGAN  
State: Kansas  
Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>09</b> 2018
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**DST #2      Formation: Topeka      Test Interval: 3618 - 3700'      Total Depth: 3700'**

Time On: 20:45 04/09      Time Off: 03:11 04/10  
Time On Bottom: 22:05 04/09      Time Off Bottom: 00:35 04/10

**REMARKS:**

- 1O. 1/4" Blow. BOB in 9 mins
- 1C. NOBB
- 2O. 1/4" Blow. BOB in 11 mins
- 2C> NOBB

Tool Sample: 2% O 53% W 45% M

Ph: 7

RW: .56 @ 35 degrees F

Chlorides: 25,000 ppm



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Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b>
April
<b>09</b>
2018

**DST #2      Formation: Topeka      Test Interval: 3618 - 3700'      Total Depth: 3700'**  
Time On: 20:45 04/09      Time Off: 03:11 04/10  
Time On Bottom: 22:05 04/09      Time Off Bottom: 00:35 04/10

**Down Hole Makeup**

<b>Heads Up:</b> 24.07 FT	<b>Packer 1:</b> 3612.94 FT
<b>Drill Pipe:</b> 3609.44 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3617.94 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3602.36 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3688 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH Jars Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 82.06	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> .5 FT	
<b>Drill Pipe: (in anchor):</b> 63.56 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 13 FT <i>4 1/2-FH</i>	



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County: LOGAN  
State: Kansas  
Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>09</b> 2018
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**DST #2      Formation: Topeka      Test Interval: 3618 - 3700'      Total Depth: 3700'**  
Time On: 20:45 04/09      Time Off: 03:11 04/10  
Time On Bottom: 22:05 04/09      Time Off Bottom: 00:35 04/10

**Mud Properties**

**Mud Type: Chem      Weight: 8.7      Viscosity: 58      Filtrate: 7.6      Chlorides: 8000 ppm**



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 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc -  
 Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

<b>DATE</b>
April
<b>09</b>
2018

DST #2      Formation: Topeka      Test Interval: 3618 - 3700'      Total Depth: 3700'  
 Time On: 20:45 04/09      Time Off: 03:11 04/10  
 Time On Bottom: 22:05 04/09      Time Off Bottom: 00:35 04/10

**Gas Volume Report**

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

**DATE**  
 April  
**10**  
 2018

**DST #3**      **Formation: Lower Topkea**      **Test Interval: 3755 - 3824'**      **Total Depth: 3824'**  
 Time On: 15:06 04/10      Time Off: 21:09 04/10  
 Time On Bottom: 16:26 04/10      Time Off Bottom: 18:41 04/10

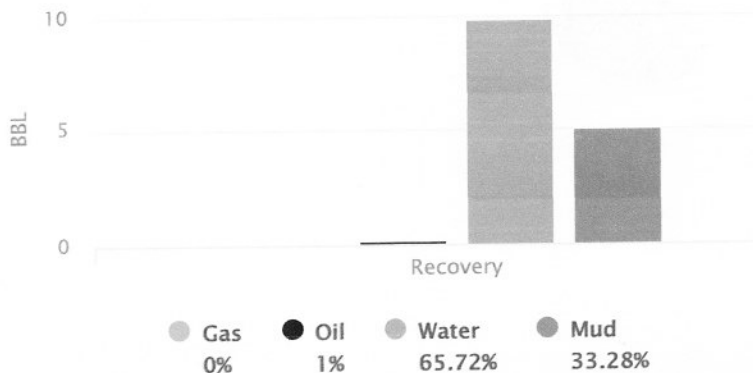
<u>Recovered</u>		<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
<u>Foot</u>	<u>BBLs</u>					
417	5.3793	SLOCHWCM	0	1	45	54
496	6.3984	SLOCHMCW	0	1	69	30
248	3.1992	SLOCSLMCW	0	1	94	5

Total Recovered: 1161 ft  
 Total Barrels Recovered: 14.9769

Reversed Out  
 NO

Initial Hydrostatic Pressure	1754	PSI
Initial Flow	69 to 427	PSI
<b>Initial Closed in Pressure</b>	<b>1115</b>	<b>PSI</b>
Final Flow Pressure	439 to 577	PSI
<b>Final Closed in Pressure</b>	<b>1117</b>	<b>PSI</b>
Final Hydrostatic Pressure	1755	PSI
Temperature	121	°F
Pressure Change Initial Close / Final Close	0.0	%

**Recovery at a glance**





**Company: Fossil Resources, LLC**  
**Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

**DATE**  
 April  
**10**  
 2018

**DST #3**      **Formation: Lower Topkea**      **Test Interval: 3755 - 3824'**      **Total Depth: 3824'**  
 Time On: 15:06 04/10      Time Off: 21:09 04/10  
 Time On Bottom: 16:26 04/10      Time Off Bottom: 18:41 04/10

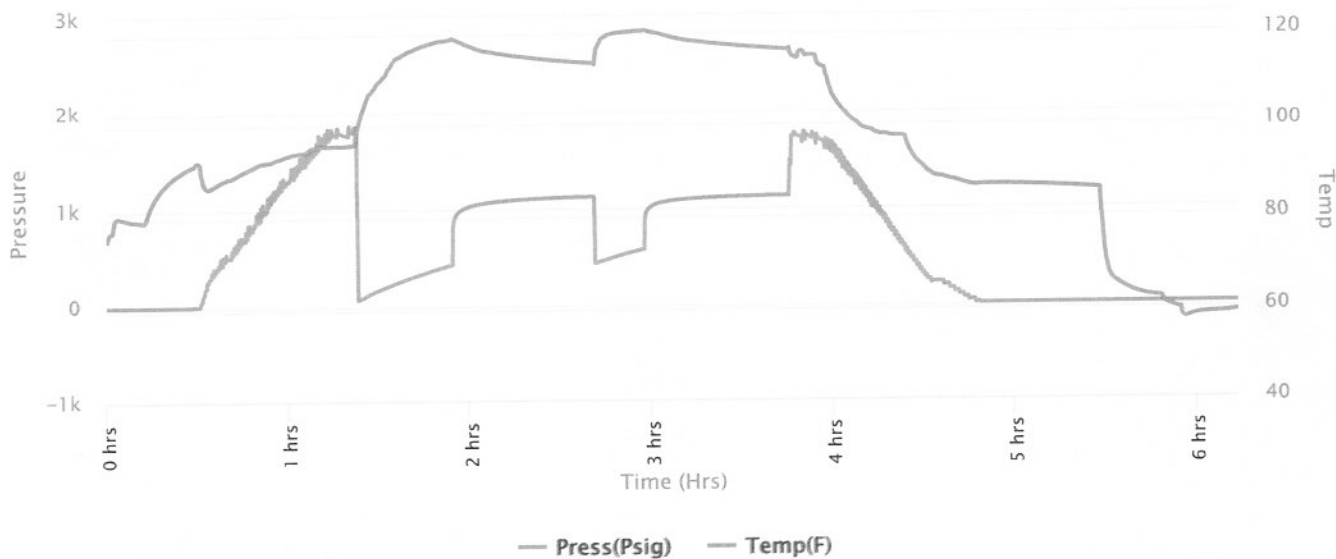
Electronic Volume Estimate:  
 1405'

1st Open  
 Minutes: 30  
 105" at 30 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 15  
 44.1" at 15 min

2nd Close  
 Minutes: 45  
 0" at 45 min





**Company: Fossil Resources,  
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SEC: 32 TWN: 12S RNG: 36W  
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Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>10</b> 2018
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<b>DST #3</b>	<b>Formation: Lower Topkea</b>	<b>Test Interval: 3755 - 3824'</b>	<b>Total Depth: 3824'</b>
	Time On: 15:06 04/10	Time Off: 21:09 04/10	
	Time On Bottom: 16:26 04/10	Time Off Bottom: 18:41 04/10	

**REMARKS:**

- 1O. 1" Blow. BOB in 2 1/4 min
- 1C. NOBB
- 2O. 2" Blow. BOB in 3 mins
- 2C. NOBB

Tool Sample: 1 %O 96% W 3% M

Ph: 7

RW: .42 @ 55 degrees F

Chlorides: 24,000 ppm



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 Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

<b>DATE</b> April <b>10</b> 2018
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**DST #3      Formation: Lower Topkea      Test Interval: 3755 - 3824'      Total Depth: 3824'**

Time On: 15:06 04/10      Time Off: 21:09 04/10  
 Time On Bottom: 16:26 04/10      Time Off Bottom: 18:41 04/10

**Down Hole Makeup**

<b>Heads Up:</b> 14.53 FT	<b>Packer 1:</b> 3750.25 FT
<b>Drill Pipe:</b> 3737.21 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3755.25 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3739.67 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3794 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH Jars Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 68.75	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 31.75 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 31 FT <i>4 1/2-FH</i>	





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County: LOGAN  
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Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>10</b> 2018
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<b>DST #3</b>	<b>Formation: Lower Topkea</b>	<b>Test Interval: 3755 - 3824'</b>	<b>Total Depth: 3824'</b>
	Time On: 15:06 04/10	Time Off: 21:09 04/10	
	Time On Bottom: 16:26 04/10	Time Off Bottom: 18:41 04/10	

**Mud Properties**

<b>Mud Type: Chem</b>	<b>Weight: 9</b>	<b>Viscosity: 67</b>	<b>Filtrate: 12</b>	<b>Chlorides: 16000 ppm</b>
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 Pool: WILDCAT  
 Job Number: 118

<b>DATE</b>
April
<b>10</b>
2018

DST #3      Formation: Lower Topkea      Test Interval: 3755 - 3824'      Total Depth: 3824'  
 Time On: 15:06 04/10      Time Off: 21:09 04/10  
 Time On Bottom: 16:26 04/10      Time Off Bottom: 18:41 04/10

**Gas Volume Report**

1st Open

Time	Orifice	PSI	MCF/D
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2nd Open

Time	Orifice	PSI	MCF/D
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**Company: Fossil Resources,  
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County: LOGAN  
State: Kansas  
Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>11</b> 2018
---

<b>DST #4</b>	<b>Formation: Lans C</b>	<b>Test Interval: 3944 - 3974'</b>	<b>Total Depth: 3974'</b>
	Time On: 13:49 04/11	Time Off: 21:01 04/11	
	Time On Bottom: 15:33 04/11	Time Off Bottom: 19:03 04/11	

**REMARKS:**

- 1O. 1/4" Blow. Built to 11 1/4 inch in 45 mins
- 1C. NOBB
- 2O. WSB. Built to 10 3/4 inch blow
- 2C. NOBB

Tool Sample: 1% O 89% W 10% M

Ph: 7

RW: .47 @ 68 degrees F

Chlorides: 20,000 ppm



**Company: Fossil Resources,  
LLC  
Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
County: LOGAN  
State: Kansas  
Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<p><b>DATE</b> April <b>11</b> 2018</p>
---

**DST #4      Formation: Lans C      Test Interval: 3944 - 3974'      Total Depth: 3974'**

Time On: 13:49 04/11      Time Off: 21:01 04/11  
Time On Bottom: 15:33 04/11      Time Off Bottom: 19:03 04/11

**Down Hole Makeup**

<b>Heads Up:</b> 14.44 FT	<b>Packer 1:</b> 3939 FT
<b>Drill Pipe:</b> 3925.87 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3944 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3928.42 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3947 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 30	<b>Surface Choke:</b> 1"
<u><b>Anchor Makeup</b></u>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 1 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 28 FT <i>4 1/2-FH</i>	



**Company: Fossil Resources,  
LLC  
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SEC: 32 TWN: 12S RNG: 36W  
County: LOGAN  
State: Kansas  
Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>11</b> 2018
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**DST #4      Formation: Lans C      Test Interval: 3944 - 3974'      Total Depth: 3974'**  
Time On: 13:49 04/11      Time Off: 21:01 04/11  
Time On Bottom: 15:33 04/11      Time Off Bottom: 19:03 04/11

**Mud Properties**

**Mud Type: Chem      Weight: 8.9      Viscosity: 51      Filtrate: 10.4      Chlorides: 14000 ppm**





**Company: Fossil Resources, LLC**  
**Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

**DATE**  
 April  
**11**  
 2018

DST #4      Formation: Lans C      Test Interval: 3944 - 3974'      Total Depth: 3974'

Time On: 13:49 04/11      Time Off: 21:01 04/11  
 Time On Bottom: 15:33 04/11      Time Off Bottom: 19:03 04/11

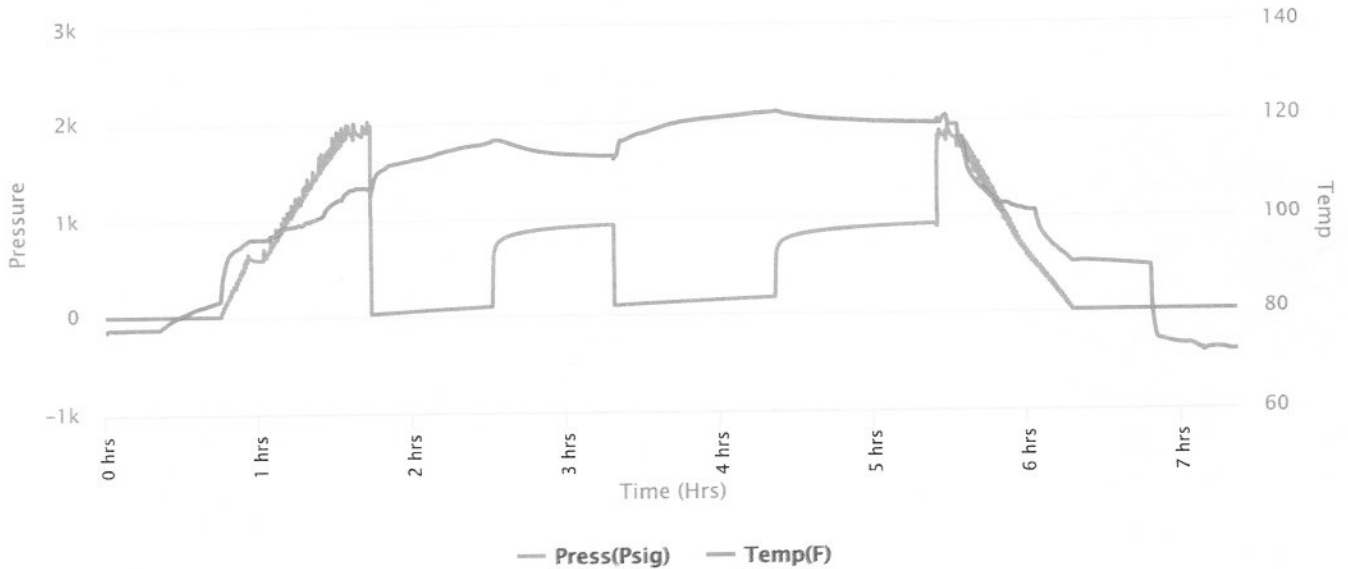
Electronic Volume Estimate:  
 233'

1st Open  
 Minutes: 45  
 11.3" at 45 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 60  
 10.6" at 60 min

2nd Close  
 Minutes: 60  
 0" at 60 min





**Company: Fossil Resources, LLC**  
**Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

**DATE**  
 April  
**11**  
 2018

**DST #4**      **Formation: Lans C**      **Test Interval: 3944 - 3974'**      **Total Depth: 3974'**  
 Time On: 13:49 04/11      Time Off: 21:01 04/11  
 Time On Bottom: 15:33 04/11      Time Off Bottom: 19:03 04/11

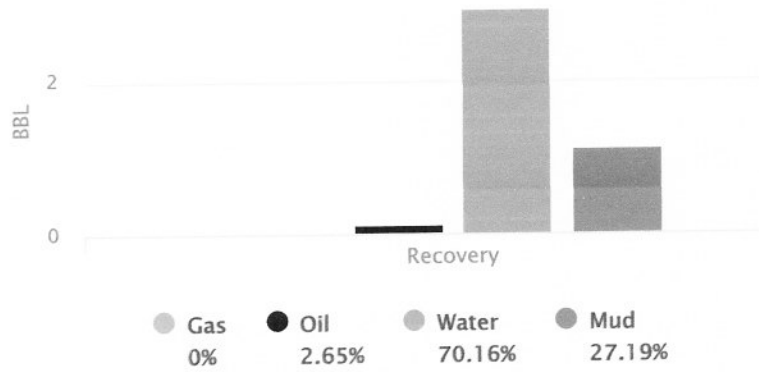
<u>Recovered</u>		<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
<u>Foot</u>	<u>BBLs</u>					
1	0.0129	O	0	100	0	0
72	0.9288	SLOCWCM	0	7	20	73
248	3.1992	SLOCMLCW	0	1	85	14

Total Recovered: 321 ft  
 Total Barrels Recovered: 4.1409

**Reversed Out**  
 NO

Initial Hydrostatic Pressure	1868	PSI
Initial Flow	15 to 81	PSI
<b>Initial Closed in Pressure</b>	<b>931</b>	<b>PSI</b>
Final Flow Pressure	84 to 159	PSI
<b>Final Closed in Pressure</b>	<b>901</b>	<b>PSI</b>
Final Hydrostatic Pressure	1871	PSI
Temperature	122	°F
Pressure Change Initial Close / Final Close	3.3	%

**Recovery at a glance**







**Company: Fossil Resources, LLC**  
**Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

**DATE**  
 April  
**12**  
 2018

**DST #5**      **Formation: Lans D**      **Test Interval: 3978 - 3990'**      **Total Depth: 3990'**  
 Time On: 04:14 04/12      Time Off: 10:34 04/12  
 Time On Bottom: 05:41 04/12      Time Off Bottom: 08:11 04/12

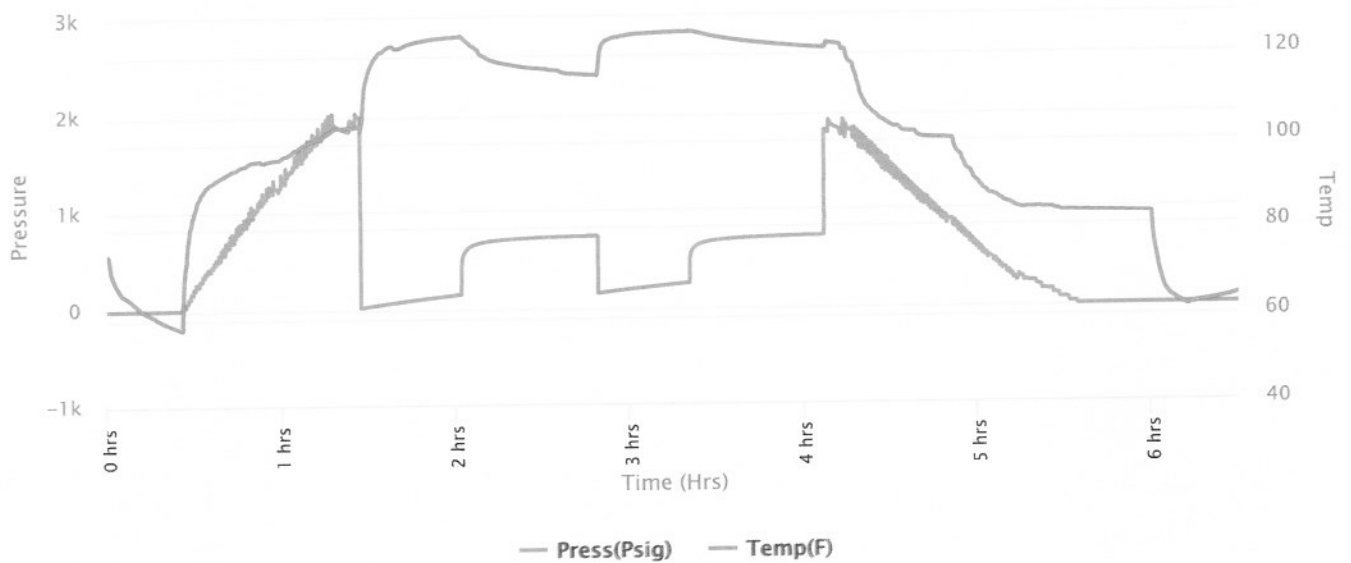
Electronic Volume Estimate:  
 472'

1st Open  
 Minutes: 30  
 26" at 30 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 30  
 18.6" at 30 min

2nd Close  
 Minutes: 45  
 0" at 45 min





**Company: Fossil Resources, LLC**  
**Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

**DATE**  
 April  
**12**  
 2018

**DST #5**      **Formation: Lans D**      **Test Interval: 3978 - 3990'**      **Total Depth: 3990'**

Time On: 04:14 04/12      Time Off: 10:34 04/12  
 Time On Bottom: 05:41 04/12      Time Off Bottom: 08:11 04/12

Recovered

Foot	BBLs
506	6.5274

Description of Fluid  
 SLMCW

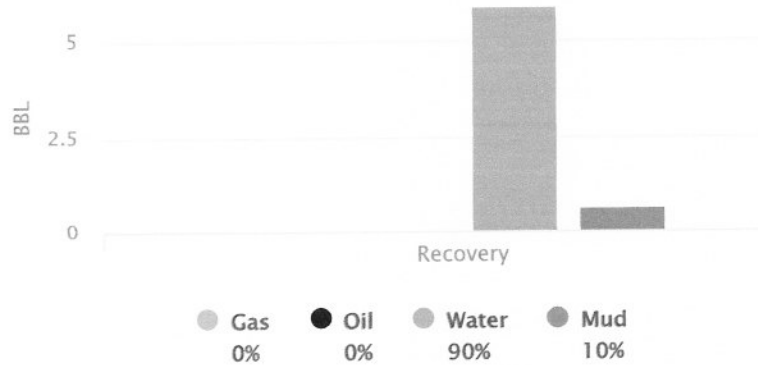
Gas %	Oil %	Water %	Mud %
0	0	90	10

Total Recovered: 506 ft  
 Total Barrels Recovered: 6.5274

**Reversed Out**  
 NO

Initial Hydrostatic Pressure	1843	PSI
Initial Flow	18 to 139	PSI
<b>Initial Closed in Pressure</b>	<b>722</b>	<b>PSI</b>
Final Flow Pressure	146 to 240	PSI
<b>Final Closed in Pressure</b>	<b>712</b>	<b>PSI</b>
Final Hydrostatic Pressure	1837	PSI
Temperature	125	°F
Pressure Change Initial Close / Final Close	1.5	%

**Recovery at a glance**





**Company: Fossil Resources,  
LLC  
Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
County: LOGAN  
State: Kansas  
Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>12</b> 2018
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<b>DST #5</b>	<b>Formation: Lans D</b>	<b>Test Interval: 3978 - 3990'</b>	<b>Total Depth: 3990'</b>
	Time On: 04:14 04/12	Time Off: 10:34 04/12	
	Time On Bottom: 05:41 04/12	Time Off Bottom: 08:11 04/12	

**REMARKS:**

- 1O. 1/4" Blow. BOB in 12 1/4 mins
- 1C. NOBB
- 2O. 1/2" Blow. BOB in 17 1/4 mins
- 2C. NOBB

Tool Sample: 97 % W 3% M

Ph: 8

RW: .53 @ 42 degrees F

Chlorides: 20,000 ppm



**Company: Fossil Resources,  
LLC  
Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc -  
 Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

<b>DATE</b> April <b>12</b> 2018
---

**DST #5      Formation: Lans D      Test Interval: 3978 - 3990'      Total Depth: 3990'**

Time On: 04:14 04/12      Time Off: 10:34 04/12  
 Time On Bottom: 05:41 04/12      Time Off Bottom: 08:11 04/12

**Down Hole Makeup**

<b>Heads Up:</b> 12.39 FT	<b>Packer 1:</b> 3973 FT
<b>Drill Pipe:</b> 3957.82 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3978 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3962.42 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3983 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 12	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 8 FT <i>4 1/2-FH</i>	



**Company: Fossil Resources,  
LLC  
Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
County: LOGAN  
State: Kansas  
Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>12</b> 2018
---

**DST #5      Formation: Lans D      Test Interval: 3978 - 3990'      Total Depth: 3990'**

Time On: 04:14 04/12      Time Off: 10:34 04/12  
Time On Bottom: 05:41 04/12      Time Off Bottom: 08:11 04/12

**Mud Properties**

**Mud Type:** Chem      **Weight:** 8.9      **Viscosity:** 51      **Filtrate:** 10.4      **Chlorides:** 14000 ppm



**Company: Fossil Resources,  
LLC**  
**Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
County: LOGAN  
State: Kansas  
Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b>
April
<b>12</b>
2018

DST #5      Formation: Lans D      Test Interval: 3978 - 3990'      Total Depth: 3990'  
Time On: 04:14 04/12      Time Off: 10:34 04/12  
Time On Bottom: 05:41 04/12      Time Off Bottom: 08:11 04/12

**Gas Volume Report**

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
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**Company: Fossil Resources, LLC**  
**Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

**DATE**  
 April  
**13**  
 2018

**DST #6**      **Formation: Pleasanton**      **Test Interval: 4242 - 4270'**      **Total Depth: 4270'**  
 Time On: 18:04 04/13      Time Off: 02:49 04/14  
 Time On Bottom: 20:40 04/13      Time Off Bottom: 23:40 04/13

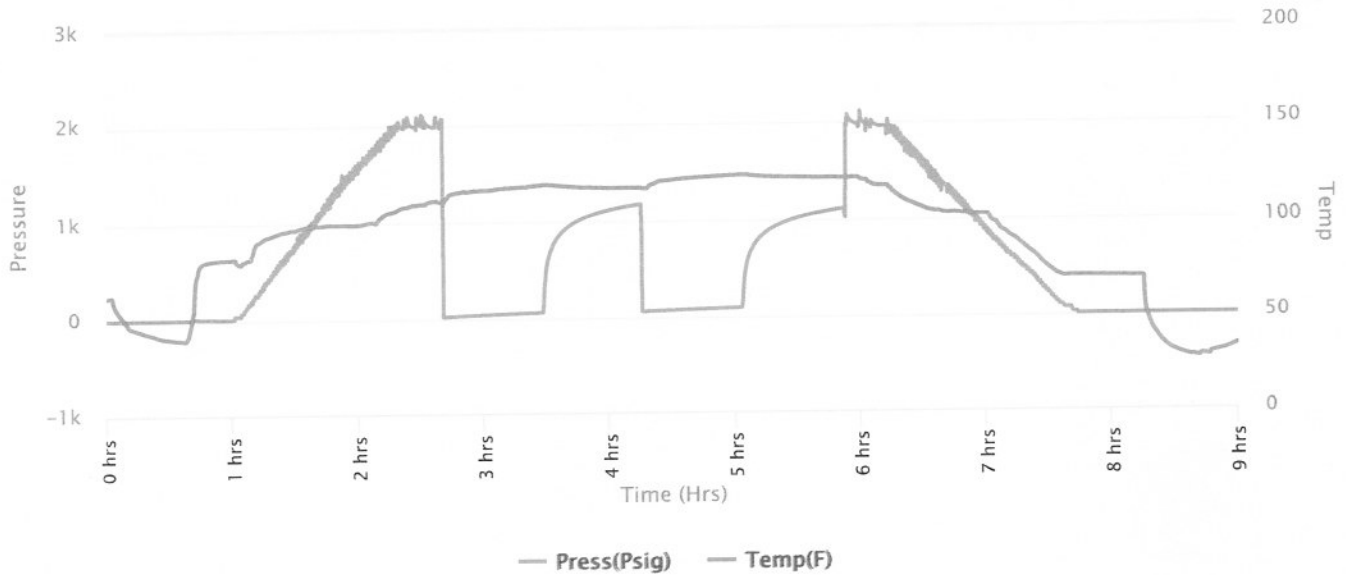
Electronic Volume Estimate:  
 150'

1st Open  
 Minutes: 45  
 7.8" at 45 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 45  
 5.2" at 45 min

2nd Close  
 Minutes: 45  
 0" at 45 min





**Company: Fossil Resources, LLC**  
**Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
 County: LOGAN  
 State: Kansas  
 Drilling Contractor: Royal Drilling, Inc - Rig 2  
 Elevation: 3132 GL  
 Field Name: Wildcat  
 Pool: WILDCAT  
 Job Number: 118

**DATE**  
 April  
**13**  
 2018

**DST #6**      **Formation: Pleasanton**      **Test Interval: 4242 - 4270'**      **Total Depth: 4270'**  
 Time On: 18:04 04/13      Time Off: 02:49 04/14  
 Time On Bottom: 20:40 04/13      Time Off Bottom: 23:40 04/13

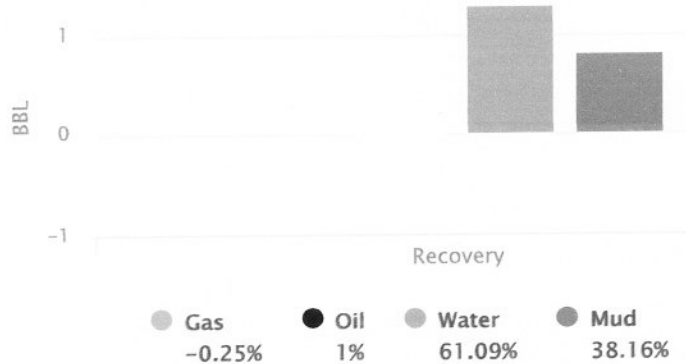
<u>Recovered</u>		<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
<u>Foot</u>	<u>BBLs</u>					
42	0.5418	SLOCHWCM	-1	1	35	65
123	1.5867	SLOCMCW	0	1	70	29

Total Recovered: 165 ft  
 Total Barrels Recovered: 2.1285

Reversed Out  
 NO

Initial Hydrostatic Pressure	1978	PSI
Initial Flow	13 to 52	PSI
<b>Initial Closed in Pressure</b>	<b>1171</b>	<b>PSI</b>
Final Flow Pressure	55 to 88	PSI
<b>Final Closed in Pressure</b>	<b>1112</b>	<b>PSI</b>
Final Hydrostatic Pressure	1978	PSI
Temperature	123	°F
Pressure Change Initial Close / Final Close	5.1	%

**Recovery at a glance**







**Company: Fossil Resources,  
LLC  
Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
County: LOGAN  
State: Kansas  
Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>13</b> 2018
---

**DST #6**

**Formation:  
Pleasanton**

**Test Interval: 4242 -  
4270'**

**Total Depth: 4270'**

Time On: 18:04 04/13

Time Off: 02:49 04/14

Time On Bottom: 20:40 04/13

Time Off Bottom: 23:40 04/13

**REMARKS:**

- 1O. 1/4" Blow. Built to 7 3/4 inch 45 mins
- 1C. NOBB
- 2O. WSB. Built to 5 1/4 inch in 45 mins.
- 2C. NOBB

Tool Sample: 75 % W 25 % M

Ph: 7

RW: .79 @ 24 degrees F

Chlorides: 25,000 ppm



**Company: Fossil Resources,  
LLC  
Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
County: LOGAN  
State: Kansas  
Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>13</b> 2018
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<b>DST #6</b>	<b>Formation:</b> Pleasanton	<b>Test Interval:</b> 4242 - 4270'	<b>Total Depth:</b> 4270'
	Time On: 18:04 04/13	Time Off: 02:49 04/14	
	Time On Bottom: 20:40 04/13	Time Off Bottom: 23:40 04/13	

**Down Hole Makeup**

<b>Heads Up:</b> 5.91 FT	<b>Packer 1:</b> 4237 FT
<b>Drill Pipe:</b> 4215.34 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4242 FT
<b>Weight Pipe:</b> 0 FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4226.42 FT
<b>Collars:</b> 0 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4247 FT
<b>Test Tool:</b> 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 28	<b>Surface Choke:</b> 1"
<b>Anchor Makeup</b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 0 FT	
<b>Drill Pipe: (in anchor):</b> 0 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 0 FT	
<b>Perforations: (below):</b> 24 FT <i>4 1/2-FH</i>	



**Company: Fossil Resources,  
LLC  
Lease: Smith #1**

SEC: 32 TWN: 12S RNG: 36W  
County: LOGAN  
State: Kansas  
Drilling Contractor: Royal Drilling, Inc -  
Rig 2  
Elevation: 3132 GL  
Field Name: Wildcat  
Pool: WILDCAT  
Job Number: 118

<b>DATE</b> April <b>13</b> 2018
---

**DST #6**

**Formation:  
Pleasanton**

**Test Interval: 4242 -  
4270'**

**Total Depth: 4270'**

Time On: 18:04 04/13

Time Off: 02:49 04/14

Time On Bottom: 20:40 04/13

Time Off Bottom: 23:40 04/13

**Mud Properties**

**Mud Type: Chem**

**Weight: 8.8**

**Viscosity: 54**

**Filtrate: 8**

**Chlorides: 14000 ppm**

