



**Company: Black Rock Resources, LLC**  
**Lease: Polifka #18-1**

SEC: 18 TWN: 13S RNG: 26W  
 County: GOVE  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 8  
 Elevation: 2504 GL  
 Field Name: Wildcat  
 Pool: Wildcat  
 Job Number: 385  
 API #: 15-063-22364

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 September  
**07**  
 2019

**DST #2**    **Formation: Lkc I&J**    **Test Interval: 3958 - 4005'**    **Total Depth: 4005'**  
 Time On: 20:10 09/07    Time Off: 02:20 09/08  
 Time On Bottom: 22:12 09/07    Time Off Bottom: 00:27 09/08

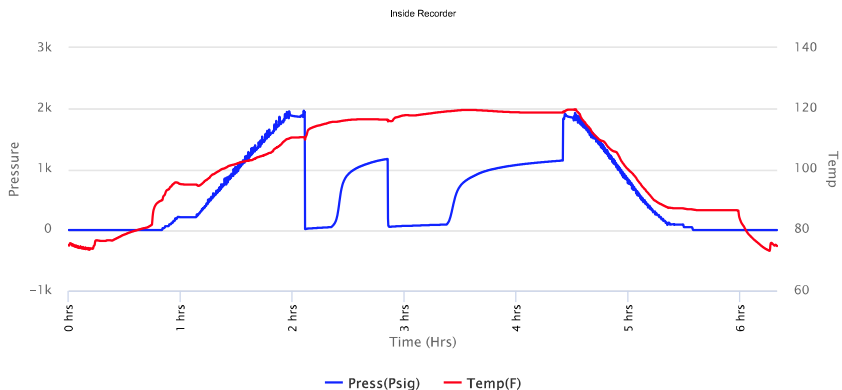
Electronic Volume Estimate: 827'

1st Open  
 Minutes: 15  
 Current Reading: 20.1" at 15 min  
 Max Reading: 20.1"

1st Close  
 Minutes: 30  
 Current Reading: 3.3" at 30 min  
 Max Reading: 3.4"

2nd Open  
 Minutes: 30  
 Current Reading: 55" at 30 min  
 Max Reading: 55"

2nd Close  
 Minutes: 60  
 Current Reading: 2.0" at 60 min  
 Max Reading: 3.8"



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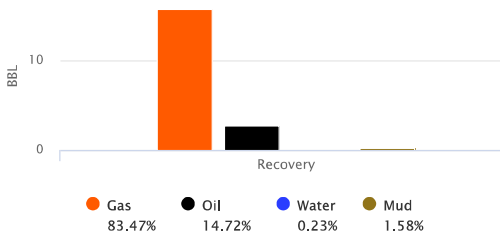
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
1100	15.653	G	100	0	0	
165	2.34795	O	0	100	0	0
60	0.8538	SLWCSLGCHMCO	10	50	5	35

Total Recovered: 1325 ft  
 Total Barrels Recovered: 18,85475

Reversed Out  
 NO

**Recovery at a glance**



GIP cubic foot volume: 88.36313

Initial Hydrostatic Pressure	1869	PSI
Initial Flow	15 to 48	PSI
<b>Initial Closed in Pressure</b>	<b>1172</b>	<b>PSI</b>
Final Flow Pressure	54 to 91	PSI
<b>Final Closed in Pressure</b>	<b>1145</b>	<b>PSI</b>
Final Hydrostatic Pressure	1864	PSI
Temperature	120	°F
Pressure Change Initial Close / Final Close	2.3	%



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**BUCKET MEASUREMENT:**  
 1st Open: BOB in 9 min  
 1st Close: Built to 3.4"  
 2nd Open: BOB in 4 min  
 2nd Close: Built to 3.8"

**REMARKS:**  
 Tool Sample: 10% Gas 65% Oil 5% Water 20% Mud  
 Gravity: 37.2 @ 60 °F



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**Down Hole Makeup**

<b>Heads Up:</b> 11.9 FT	<b>Packer 1:</b> 3953 FT
<b>Drill Pipe:</b> 3942.16 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3958 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3942.42 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4006 FT
<b>Test Tool:</b> 28.74 FT <i>ID-3 1/2-FH</i> <i>Safety Joint</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 47	<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> 46 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> FT	
<b>Drill Pipe: (in anchor):</b> FT <i>ID-3 1/2</i>	
<b>Change Over:</b> FT	
<b>Perforations: (below):</b> FT <i>4 1/2-FH</i>	



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**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.0      **Viscosity:** 59      **Filtrate:** 7.6      **Chlorides:** 3900 ppm



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**Gas Volume Report**

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D