



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

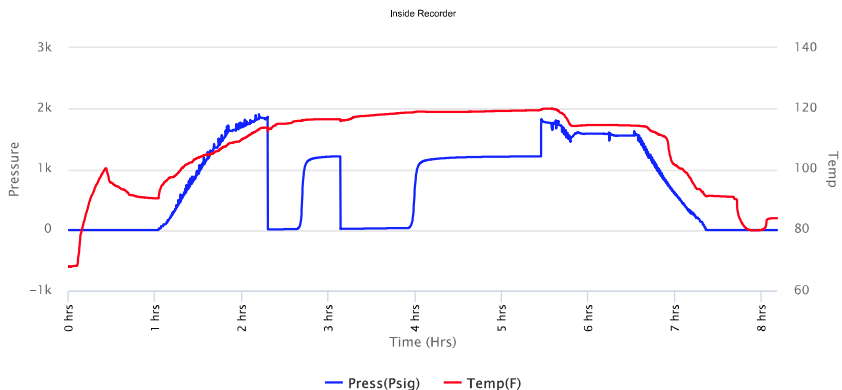
SEC: 18 TWN: 13S RNG: 26W  
 County: GOVE  
 State: Kansas  
 Drilling Contractor: Southwind Drilling, Inc - Rig 8  
 Elevation: 2504 GL  
 Field Name: Wildcat  
 Pool: Wildcat  
 Job Number: 385  
 API #: 15-063-22364

**Operation:**  
 Uploading recovery & pressures

**DATE**  
 September  
**06**  
 2019

**DST #1 Formation: LKC C-D Test Interval: 3783 - 3812' Total Depth: 3812'**  
 Time On: 11:05 09/06 Time Off: 19:04 09/06  
 Time On Bottom: 13:20 09/06 Time Off Bottom: 16:25 09/06

Electronic Volume Estimate: 60'	<u>1st Open</u> Minutes: 20 Current Reading: 2.0" at 20 min Max Reading: 2.0"	<u>1st Close</u> Minutes: 30 Current Reading: 0" at 30 min Max Reading: 0"	<u>2nd Open</u> Minutes: 45 Current Reading: 3.9" at 45 min Max Reading: 3.9"	<u>2nd Close</u> Minutes: 90 Current Reading: 0" at 90 min Max Reading: 0"
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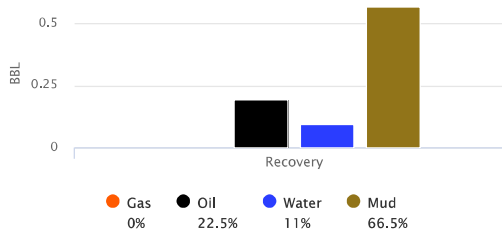
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
30	0.4269	SLWCSLOCM	0	10	7	83
30	0.4269	SLWCHOCM	0	35	15	50

Total Recovered: 60 ft  
 Total Barrels Recovered: 0.8538

Reversed Out  
**NO**

Initial Hydrostatic Pressure	1838	PSI
Initial Flow	9 to 18	PSI
<b>Initial Closed in Pressure</b>	<b>1216</b>	<b>PSI</b>
Final Flow Pressure	19 to 35	PSI
<b>Final Closed in Pressure</b>	<b>1215</b>	<b>PSI</b>
Final Hydrostatic Pressure	1785	PSI
Temperature	120	°F
Pressure Change Initial Close / Final Close	0.1	%

**Recovery at a glance**



GIP cubic foot volume: 0



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**BUCKET MEASUREMENT:**  
 1st Open: Built to 2"  
 1st Close: No Blow  
 2nd Open: Built to 3.9"  
 2nd Close: No Blow

**REMARKS:**  
 Tool Sample: 0% Gas 45% Oil 5% Water 50% Mud



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**Down Hole Makeup**

<b>Heads Up:</b> 32.86 FT	<b>Packer 1:</b> 3778 FT
<b>Drill Pipe:</b> 3783.29 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3783 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3767.42 FT
<b>Collars:</b> FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3813 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> 29	<b>Surface Choke:</b> 1"
	<b>Bottom Choke:</b> 5/8"
<b>Anchor Makeup</b>	
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 28 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:** 8.9      **Viscosity:** 59      **Filtrate:** 7.6      **Chlorides:** 5000 ppm



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**Gas Volume Report**

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D