



**Company: Grand Mesa  
Operating Company  
Lease: Miller #2-10**

SEC: 10 TWN: 23S RNG: 10W  
County: RENO  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 10  
Elevation: 1765 GL  
Field Name: Zenith-Peace Creek  
Pool: WILDCAT  
Job Number: 230

**Operation:**  
Uploading recovery & pressures

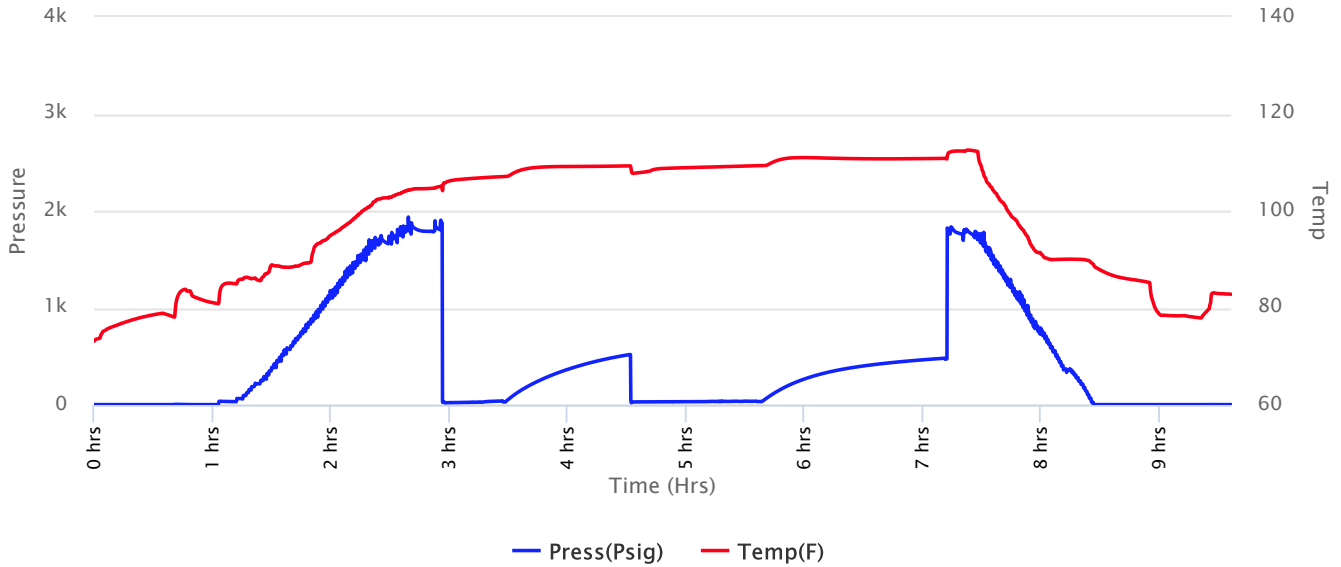
**DATE**  
September  
**20**  
2018

**DST #1      Formation: Viola      Test Interval: 3720 - 3780'      Total Depth: 3780'**  
Time On: 01:29 09/20      Time Off: 10:49 09/20  
Time On Bottom: 04:20 09/20      Time Off Bottom: 08:20 09/20

Electronic Volume Estimate:  
1513'

<u>1st Open</u>	1st Close	<u>2nd Open</u>	2nd Close
Minutes: 30	Minutes: 60	Minutes: 60	Minutes: 90
Current Reading: 50" at 30 min	Current Reading: 0" at 60 min	Current Reading: 116.6" at 60 min	Current Reading: 0" at 90 min
Max Reading: 50"	Max Reading: 0"	Max Reading: 116.6"	Max Reading: 0"

Inside Recorder





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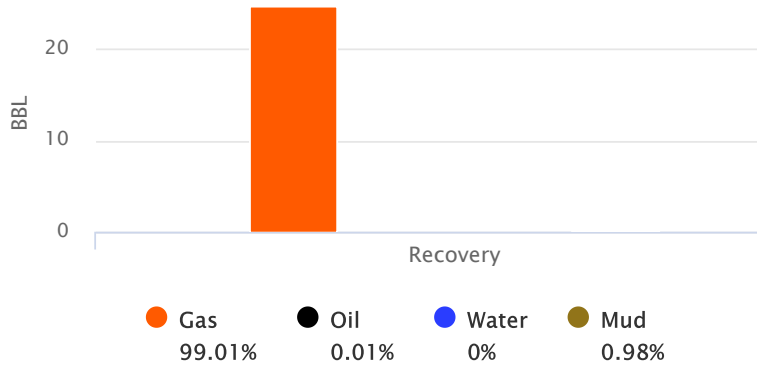
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
1777	24.6529783	G	100	0	0	0
50	0.246	SLOCM	0	1	0	99

Total Recovered: 1827 ft  
Total Barrels Recovered: 24.8989783

Reversed Out  
NO

Initial Hydrostatic Pressure	1791	PSI
Initial Flow	20 to 38	PSI
<b>Initial Closed in Pressure</b>	<b>517</b>	<b>PSI</b>
Final Flow Pressure	22 to 32	PSI
<b>Final Closed in Pressure</b>	<b>479</b>	<b>PSI</b>
Final Hydrostatic Pressure	1791	PSI
Temperature	111	°F
Pressure Change Initial Close / Final Close	7.3	%

**Recovery at a glance**





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**BUCKET MEASUREMENT:**

1st Open: 1/4 Blow. Built to 50 inches in 30 mins  
1st Close: NOBB  
2nd Open: BOB Instantly  
2nd Close: NOBB

**REMARKS:**

Tool Sample: 10% Gas 10% Oil 4% Water 76% Mud



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**Down Hole Makeup**

<b>Heads Up:</b> 9.35 FT	<b>Packer 1:</b> 3714.5 FT
<b>Drill Pipe:</b> 3577.71 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3720 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3703.42 FT
<b>Collars:</b> 118.07 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3759 FT
<b>Test Tool:</b> 34.57 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> 60	<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> 32 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 22 FT <i>4 1/2-FH</i>	



