



**Company: Grand Mesa  
Operating Company  
Lease: Dick Trust #1-7**

SEC: 7 TWN: 30S RNG: 11W  
County: BARBER  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 14  
Elevation: 1837 GL  
Field Name: Harding Ext (1/4 S)  
Pool: WILDCAT  
Job Number: 383  
API #: 15-007-24357

**Operation:**  
Tripping out of hole with  
test tool

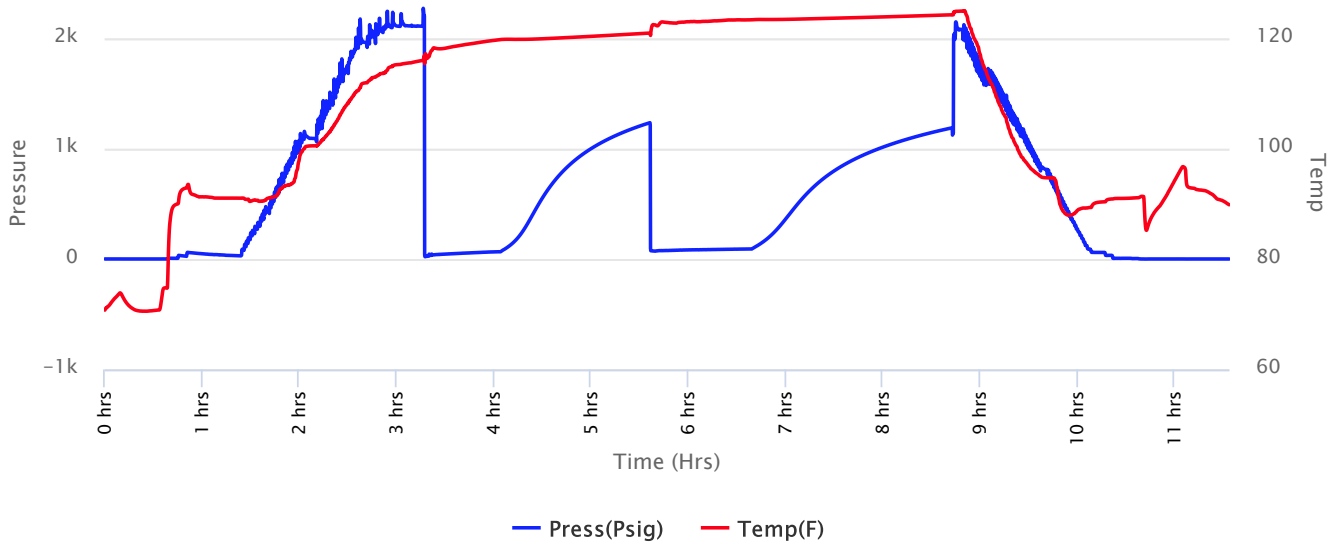
**DATE**  
September  
**03**  
2019

**DST #1**      **Formation: Mississippian**      **Test Interval: 4423 - 4501'**      **Total Depth: 4501'**  
Time On: 07:30 09/03      Time Off: 20:18 09/03  
Time On Bottom: 10:42 09/03      Time Off Bottom: 15:57 09/03

Electronic Volume  
Estimate:  
469'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 45	Minutes: 90	Minutes: 60	Minutes: 120
Current Reading: 22.7" at 45 min	Current Reading: 0" at 90 min	Current Reading: 12.7" at 60 min	Current Reading: 0" at 120 min
Max Reading: 22.7"	Max Reading: 0"	Max Reading: 12.7"	Max Reading: 0"

Inside Recorder





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Recovered

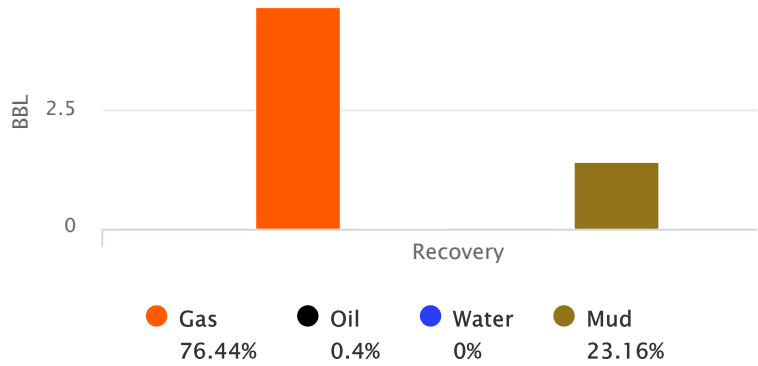
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
325	4.62475	G	100	0	0	0
116	1.1760562	SLOCM	0	1	0	99
63	0.30996	SLOCSLGCM	15	4	0	81

Total Recovered: 504 ft  
Total Barrels Recovered: 6.1107662

Reversed Out  
NO

Initial Hydrostatic Pressure	2095	PSI
Initial Flow	22 to 66	PSI
<b>Initial Closed in Pressure</b>	<b>1235</b>	<b>PSI</b>
Final Flow Pressure	75 to 91	PSI
<b>Final Closed in Pressure</b>	<b>1188</b>	<b>PSI</b>
Final Hydrostatic Pressure	2093	PSI
Temperature	125	°F
Pressure Change Initial Close / Final Close	3.8	%

**Recovery at a glance**



GIP cubic foot volume: 26.2267



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**BUCKET MEASUREMENT:**

1st Open: 1/4" Blow. BOB in 13 3/4 mins

1st Close: NOBB

2nd Open: 1/4" Blow. BOB in 55 mins

2nd Close: NOBB

**REMARKS:**

Tool Sample: 0% Gas 10% Oil 2% Water 88% Mud



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**Down Hole Makeup**

<b>Heads Up:</b> 10.64 FT	<b>Packer 1:</b> 4418.09 FT
<b>Drill Pipe:</b> 4287.18 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 4423.09 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 4407.51 FT
<b>Collars:</b> 113.98 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 4491 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> 77.91	<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> 1 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> .5 FT	
<b>Drill Pipe: (in anchor):</b> 63.41 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> 1 FT	
<b>Perforations: (below):</b> 11 FT <i>4 1/2-FH</i>	



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**Mud Properties**

**Mud Type:** Chem      **Weight:** 9.4      **Viscosity:** 45      **Filtrate:** 8.8      **Chlorides:** 6000 ppm



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**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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