Company: Grand Mesa Operating Company
Lease: Sauer #1-5

DATE
October
27
2017

DST #2   **Formation: Viola**   **Test Interval: 3779 - 3800'**   **Total Depth: 3800'**

Time On: 09:30 10/28   Time Off: 18:03 10/29
Time On Bottom: 11:46 10/28   Time Off Bottom: 15:46 10/28

Electronic Volume Estimate:	1st Open	1st Close	2nd Open	2nd Close
70'	Minutes: 60	Minutes: 75	Minutes: 30	Minutes: 75
	1.8" at 60 min	.7" at 75 min	0" at 30 min	0" at 75 min

Legend: Press(Psig) — Temp(F)

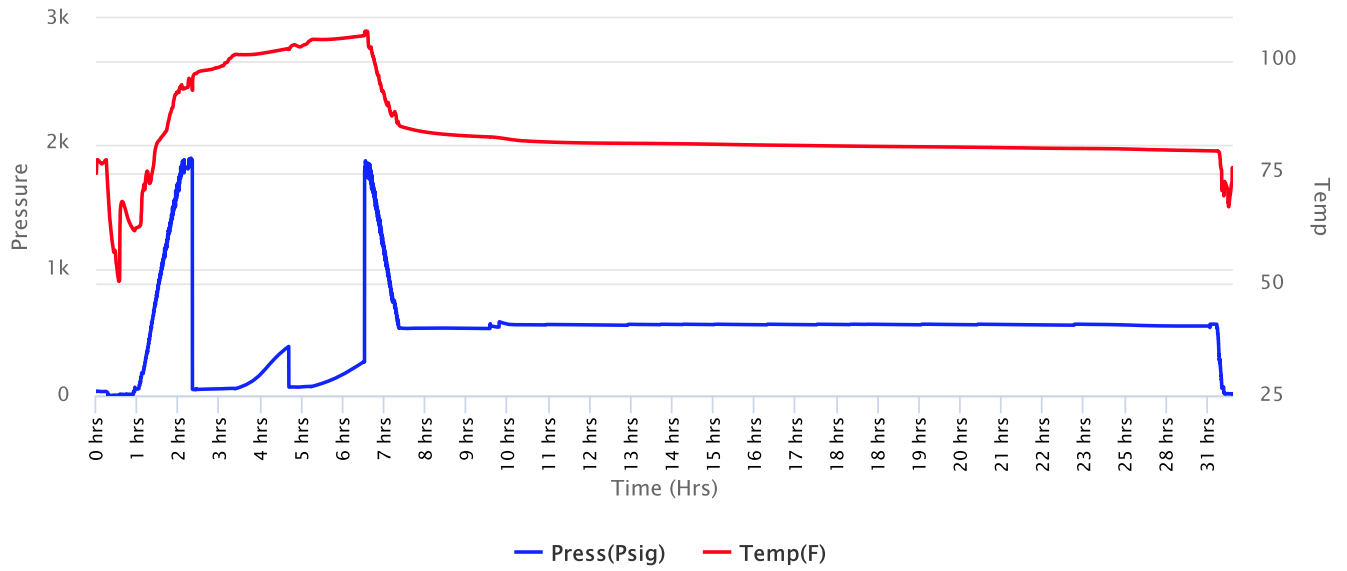X-axis: Time (Hrs); Y-axis (left): Pressure; Y-axis (right): Temp

Company: Grand Mesa Operating Company
Lease: Sauer #1-5

SEC: 5 TWN: 24S RNG: 10W
County: RENO
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 4
Elevation: 1786 KB
Field Name: Zenith-Peace Creek
Pool: WILDCAT
Job Number: 68

DATE
October
27
2017

DST #2　　**Formation: Viola**　　**Test Interval: 3779 - 3800'**　　**Total Depth: 3800'**

Time On: 09:30 10/28　　Time Off: 18:03 10/29
Time On Bottom: 11:46 10/28　　Time Off Bottom: 15:46 10/28
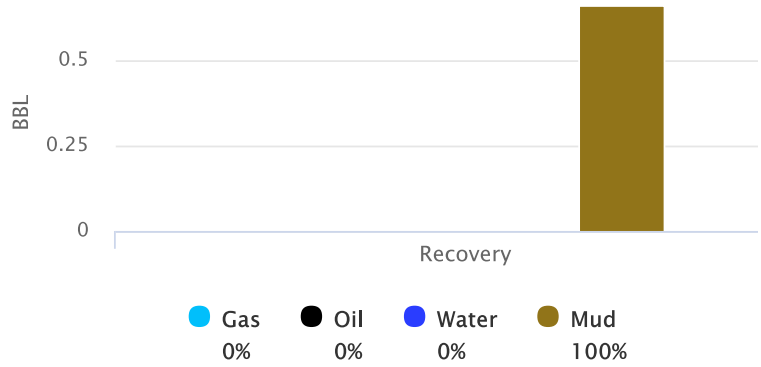
Recovered

Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
125	0.66155	M	0	0	0	100

Total Recovered: 125 ft
Total Barrels Recovered: 0.66155

Reversed Out
NO

Recovery at a glance

Initial Hydrostatic Pressure	1833	PSI
Initial Flow	48 to 57	PSI
Initial Closed in Pressure	**391**	**PSI**
Final Flow Pressure	66 to 73	PSI
Final Closed in Pressure	**272**	**PSI**
Final Hydrostatic Pressure	1830	PSI
Temperature	106	°F
Pressure Change Initial Close / Final Close	30.4	%

Gas 0% — Oil 0% — Water 0% — Mud 100%

Company: Grand Mesa Operating Company
Lease: Sauer #1-5

SEC: 5 TWN: 24S RNG: 10W
County: RENO
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 4
Elevation: 1786 KB
Field Name: Zenith-Peace Creek
Pool: WILDCAT
Job Number: 68

DATE
October
27
2017

DST #2   Formation: Viola   Test Interval: 3779 - 3800'   Total Depth: 3800'

Time On: 09:30 10/28   Time Off: 18:03 10/29

Time On Bottom: 11:46 10/28   Time Off Bottom: 15:46 10/28

REMARKS:

60 min IF: Weak blow, Inc to 1.8" in bucket.

75 min ISI: Weak blowback @ .7".

(Initial blow and blowback may have been from the air in the pipe warming up and expanding.)

Company: Grand Mesa Operating Company
Lease: Sauer #1-5

SEC: 5 TWN: 24S RNG: 10W
County: RENO
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 4
Elevation: 1786 KB
Field Name: Zenith-Peace Creek
Pool: WILDCAT
Job Number: 68

DATE
October
27
2017

DST #2   Formation: Viola   Test Interval: 3779 - 3800'   Total Depth: 3800'

Time On: 09:30 10/28   Time Off: 18:03 10/29
Time On Bottom: 11:46 10/28   Time Off Bottom: 15:46 10/28

Down Hole Makeup

Heads Up:	12.57 FT	**Packer 1:**	3774 FT
Drill Pipe:	3639 FT	**Packer 2:**	3779 FT
ID-3 1/2		**Top Recorder:**	3763.42 FT
Weight Pipe:	FT	**Bottom Recorder:**	1 FT
ID-2 7/8		**Well Bore Size:**	7 7/8
Collars:	120 FT	**Surface Choke:**	1"
ID-2 1/4		**Bottom Choke:**	5/8"
Test Tool:	33.57 FT		
ID-3 1/2-FH			
Jars			
Safety Joint			

Total Anchor: 21

Anchor Makeup

Packer Sub:	1 FT
Perforations: (top):	FT
4 1/2-FH	
Change Over:	FT
Drill Pipe: (in anchor):	FT
ID-3 1/2	
Change Over:	1 FT
Perforations: (below):	19 FT
4 1/2-FH	

Company: Grand Mesa Operating Company
Lease: Sauer #1-5

SEC: 5 TWN: 24S RNG: 10W
County: RENO
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 4
Elevation: 1786 KB
Field Name: Zenith-Peace Creek
Pool: WILDCAT
Job Number: 68

DATE
October
27
2017

DST #2   **Formation: Viola**   **Test Interval: 3779 - 3800'**   **Total Depth: 3800'**

Time On: 09:30 10/28   Time Off: 18:03 10/29
Time On Bottom: 11:46 10/28   Time Off Bottom: 15:46 10/28

Mud Properties

Mud Type: Chemical   **Weight:** 9.0   **Viscosity:** 65 (4#lcm)   **Filtrate:** 9.6   **Chlorides:** 9000 ppm

Company: Grand Mesa Operating Company
Lease: Sauer #1-5

SEC: 5 TWN: 24S RNG: 10W
County: RENO
State: Kansas
Drilling Contractor: WW Drilling, LLC - Rig 4
Elevation: 1786 KB
Field Name: Zenith-Peace Creek
Pool: WILDCAT
Job Number: 68

DATE
October
27
2017

DST #2   Formation: Viola   Test Interval: 3779 - 3800'   Total Depth: 3800'

Time On: 09:30 10/28   Time Off: 18:03 10/29
Time On Bottom: 11:46 10/28   Time Off Bottom: 15:46 10/28

Gas Volume Report

1st Open

Time	Orifice	PSI	MCF/D

2nd Open

Time	Orifice	PSI	MCF/D