



**Company: BlueRidge
Petroleum Corporation
Lease: Schlegel - French #1-30**

SEC: 30 TWN: 19S RNG: 25W
County: NESS
State: Kansas
Drilling Contractor: Discovery Drilling
Company, Inc. - Rig 2
Elevation: 2566 GL
Field Name: SONADOR EXT
Pool: Pool Ext.
Job Number: 401
API #: 15-135-26085

Operation:
Uploading recovery &
pressures

DATE
October
22
2019

DST #1 Formation: Ft. Scott Test Interval: 4440 - Total Depth: 4480'
4480'

Time On: 05:32 10/22 Time Off: 13:42 10/22
Time On Bottom: 08:21 10/22 Time Off Bottom: 11:06 10/22

Electronic Volume
Estimate:
860'

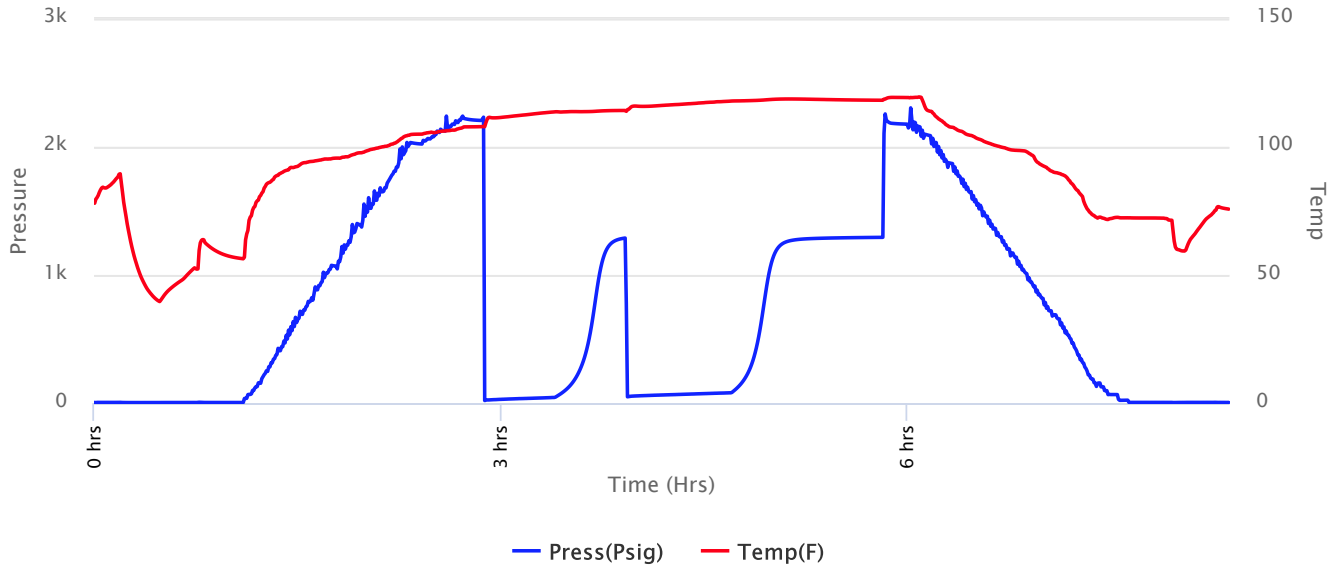
1st Open
Minutes: 30
Current Reading:
24.4" at 30 min
Max Reading: 24.4"

1st Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

2nd Open
Minutes: 45
Current Reading:
42.1" at 45 min
Max Reading: 42.1"

2nd Close
Minutes: 60
Current Reading:
.1" at 60 min
Max Reading: .1"

Inside Recorder





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Time On: 05:32 10/22 Time Off: 13:42 10/22
Time On Bottom: 08:21 10/22 Time Off Bottom: 11:06 10/22

Recovered

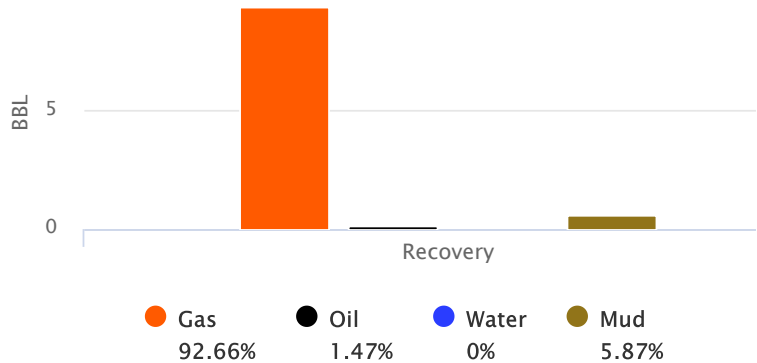
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
750	9.06534	G	100	0	0	0
20	0.1484	SLOGGCM	20	10	0	70
60	0.4452	OCHGCM	30	20	0	50
60	0.4452	SLOCHGCM	30	10	0	60

Total Recovered: 890 ft
Total Barrels Recovered: 10.10414

**Reversed Out
NO**

Initial Hydrostatic Pressure	2213	PSI
Initial Flow	25 to 42	PSI
Initial Closed in Pressure	1288	PSI
Final Flow Pressure	50 to 79	PSI
Final Closed in Pressure	1294	PSI
Final Hydrostatic Pressure	2179	PSI
Temperature	119	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 52.56374



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4480'
Time On: 05:32 10/22 Time Off: 13:42 10/22
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BUCKET MEASUREMENT:

1st Open: BoB in 12 min. 35 sec.
1st Close: No Return
2nd Open: BoB in 3 min. 54 sec.
2nd Close: Weak Surface Return started at 12 min. Built to 1/8" over 60 min.

REMARKS:

Tool Sample: 30% Gas 40% Oil 5% Water 25% Mud



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4480'
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Mud Properties

Mud Type: Chem **Weight:** 9.6 **Viscosity:** 82 **Filtrate:** 14.4 **Chlorides:** 4000 ppm



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4480'
Time On: 05:32 10/22 Time Off: 13:42 10/22
Time On Bottom: 08:21 10/22 Time Off Bottom: 11:06 10/22

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



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DST #2 **Formation: Mississippian** **Test Interval: 4513 - 4565'** **Total Depth: 4565'**
Time On: 02:39 10/23 Time Off: 11:17 10/23
Time On Bottom: 04:42 10/23 Time Off Bottom: 08:12 10/23

Electronic Volume
Estimate:
57'

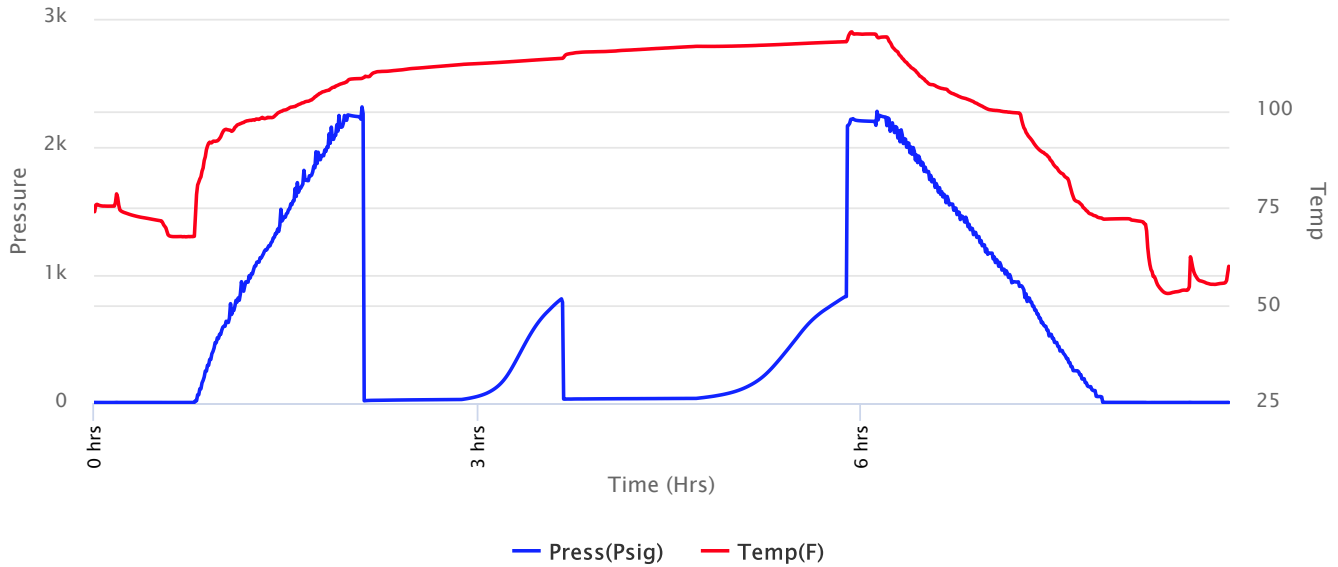
1st Open
Minutes: 45
Current Reading:
1.5" at 45 min
Max Reading: 1.5"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 60
Current Reading:
1" at 60 min
Max Reading: 1"

2nd Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

Inside Recorder





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Time On Bottom: 04:42 10/23 Time Off Bottom: 08:12 10/23

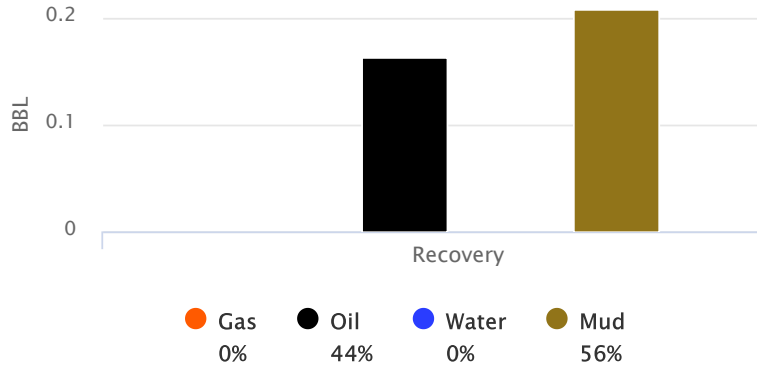
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
10	0.0742	O	0	100	0	0
40	0.2968	HOCM	0	30	0	70

Total Recovered: 50 ft
Total Barrels Recovered: 0.371

Reversed Out
NO

Initial Hydrostatic Pressure	2236	PSI
Initial Flow	20 to 29	PSI
Initial Closed in Pressure	808	PSI
Final Flow Pressure	32 to 37	PSI
Final Closed in Pressure	832	PSI
Final Hydrostatic Pressure	2203	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 0



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DST #2	Formation: Mississippian	Test Interval: 4513 - 4565'	Total Depth: 4565'
	Time On: 02:39 10/23	Time Off: 11:17 10/23	
	Time On Bottom: 04:42 10/23	Time Off Bottom: 08:12 10/23	

BUCKET MEASUREMENT:

1st Open: 1/4" Blow built to 1 1/2" over 45 min.
1st Close: No Return
2nd Open: Weak Surface blow started at 2 min. Built to 1" over 60 min.
2nd Close: No Return

REMARKS:

Tool Sample: 0% Gas 40% Oil 0% Water 60% Mud
Gravity: 37 @ 60 °F



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Elevation: 2566 GL
Field Name: Sonador Ext
Pool: Pool Ext.
Job Number: 401
API #: 15-135-26085

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DST #2 **Formation:** **Test Interval: 4513 -** **Total Depth: 4565'**
Mississippian **4565'**
Time On: 02:39 10/23 Time Off: 11:17 10/23
Time On Bottom: 04:42 10/23 Time Off Bottom: 08:12 10/23

Down Hole Makeup

Heads Up: 23.79 FT	Packer 1: 4508.4 FT
Drill Pipe: 4276.03 FT <i>ID-3 1/2</i>	Packer 2: 4513.4 FT
Weight Pipe: 236 FT <i>ID-2 7/8</i>	Top Recorder: 4500.4 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4516 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 51.6	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 15 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 31.6 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 3 FT <i>4 1/2-FH</i>	



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DST #2 **Formation:** **Test Interval: 4513 -** **Total Depth: 4565'**
Mississippian **4565'**
Time On: 02:39 10/23 Time Off: 11:17 10/23
Time On Bottom: 04:42 10/23 Time Off Bottom: 08:12 10/23

Mud Properties

Mud Type: Chem **Weight:** 9.5 **Viscosity:** 46 **Filtrate:** 9.2 **Chlorides:** 3000 ppm



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Time On Bottom: 04:42 10/23 Time Off Bottom: 08:12 10/23

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



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Pool: Pool Ext.
Job Number: 401
API #: 15-135-26085

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DST #3 **Formation: Mississippian** **Test Interval: 4565 - 4575'** **Total Depth: 4575'**
Time On: 18:20 10/23 Time Off: 03:08 10/24
Time On Bottom: 20:48 10/23 Time Off Bottom: 00:18 10/24

Electronic Volume
Estimate:
438'

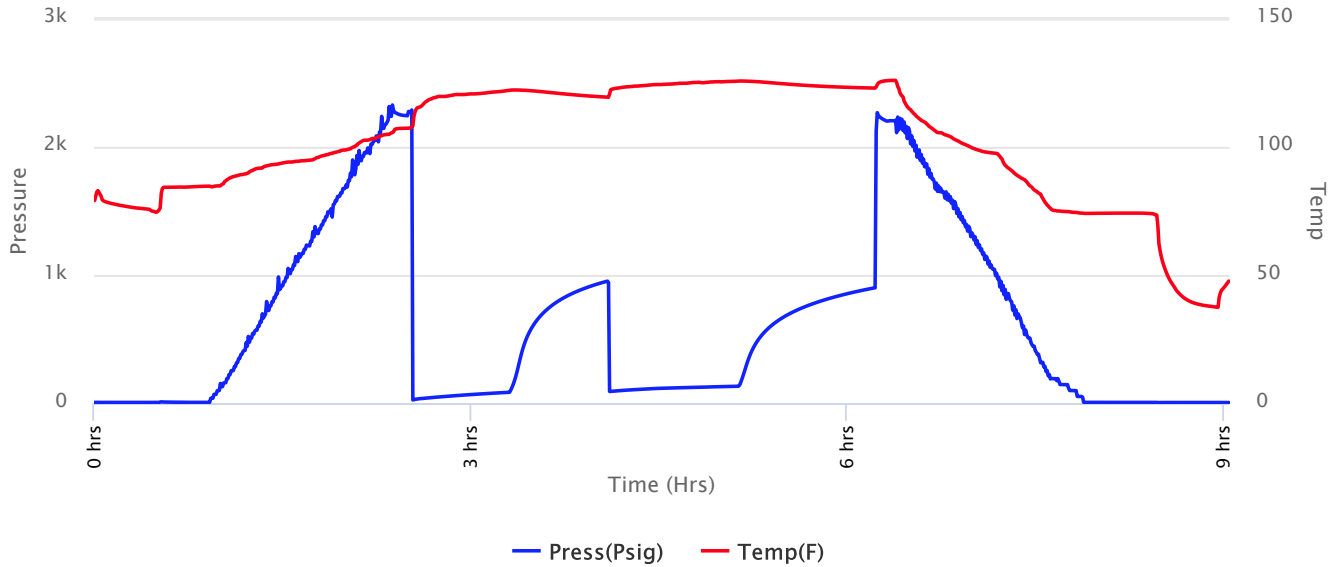
1st Open
Minutes: 45
Current Reading:
15.7" at 45 min
Max Reading: 15.7"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 60
Current Reading:
11.3" at 60 min
Max Reading: 11.3"

2nd Close
Minutes: 60
Current Reading:
.5" at 60 min
Max Reading: .5"

Inside Recorder





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Company, Inc. - Rig 2
Elevation: 2566 GL
Field Name: Sonador Ext
Pool: Pool Ext.
Job Number: 401
API #: 15-135-26085

Operation:
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DST #3 **Formation: Mississippian** **Test Interval: 4565 - 4575'** **Total Depth: 4575'**
Time On: 18:20 10/23 Time Off: 03:08 10/24
Time On Bottom: 20:48 10/23 Time Off Bottom: 00:18 10/24

Recovered

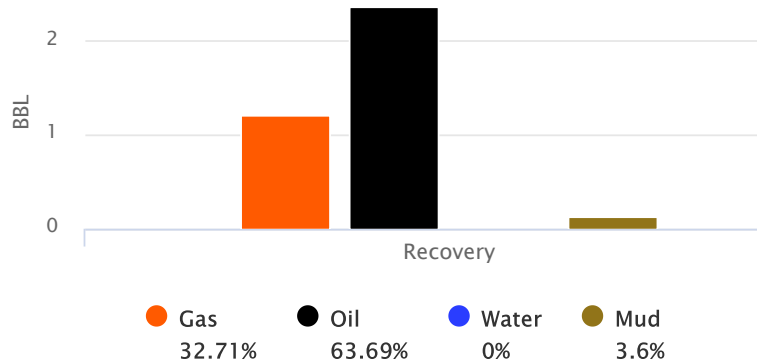
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
126	0.93492	G	100	0	0	0
292	2.548	SLGCO	10	90	0	0
30	0.2226	SLGCHOCM	10	30	0	60

Total Recovered: 448 ft
Total Barrels Recovered: 3.70552

Reversed Out
NO

Initial Hydrostatic Pressure	2289	PSI
Initial Flow	27 to 83	PSI
Initial Closed in Pressure	952	PSI
Final Flow Pressure	96 to 132	PSI
Final Closed in Pressure	889	PSI
Final Hydrostatic Pressure	2218	PSI
Temperature	126	°F
Pressure Change Initial Close / Final Close	6.6	%

Recovery at a glance



GIP cubic foot volume: 6.80466



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	Time On: 18:20 10/23	Time Off: 03:08 10/24	
	Time On Bottom: 20:48 10/23	Time Off Bottom: 00:18 10/24	

BUCKET MEASUREMENT:

1st Open: BoB in 21 min. 35 sec.
1st Close: No Return
2nd Open: BoB in 52 min. 48 sec.
2nd Close: Weak Surface Return starte at 22 min. Built to 1/2" over 60 min.

REMARKS:

Tool Sample: 20% Gas 40% Oil 0% Water 40% Mud

Gravity: 37 @ 60 °F



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Mississippian **4575'**
Time On: 18:20 10/23 Time Off: 03:08 10/24
Time On Bottom: 20:48 10/23 Time Off Bottom: 00:18 10/24

Down Hole Makeup

Heads Up: 35.41 FT	Packer 1: 4560 FT
Drill Pipe: 4339.25 FT <i>ID-3 1/2</i>	Packer 2: 4565 FT
Weight Pipe: 236 FT <i>ID-2 7/8</i>	Top Recorder: 4552 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4567 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 10	Surface Choke: 1"
Anchor Makeup	
Packer Sub: 1 FT	Bottom Choke: 5/8"
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/2</i>	
Change Over: 0 FT	
Perforations: (below): 9 FT <i>4 1/2-FH</i>	



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4575' **Total Depth: 4575'**
Time On: 18:20 10/23 Time Off: 03:08 10/24
Time On Bottom: 20:48 10/23 Time Off Bottom: 00:18 10/24

Mud Properties

Mud Type: Chem **Weight:** 9.5 **Viscosity:** 46 **Filtrate:** 9.2 **Chlorides:** 3000 ppm



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Time On Bottom: 20:48 10/23 Time Off Bottom: 00:18 10/24

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D