



**Company: L. D. Drilling, Inc**  
**Lease: Regier #2-7**

SEC: 7 TWN: 22S RNG: 4W  
 County: RENO  
 State: Kansas  
 Drilling Contractor: L. D. Drilling, Inc - Rig 1  
 Elevation: 1504 egl  
 Field Name: Buhler North  
 Pool: Infield  
 Job Number: 54

**DATE**  
 September  
**08**  
 2017

**DST #1**      **Formation: SIMPSON**      **Test Interval: 3882 - 3897'**      **Total Depth: 3897'**  
 Time On: 22:40 09/08      Time Off: 06:25 09/09  
 Time On Bottom: 00:56 09/09      Time Off Bottom: 03:56 09/09

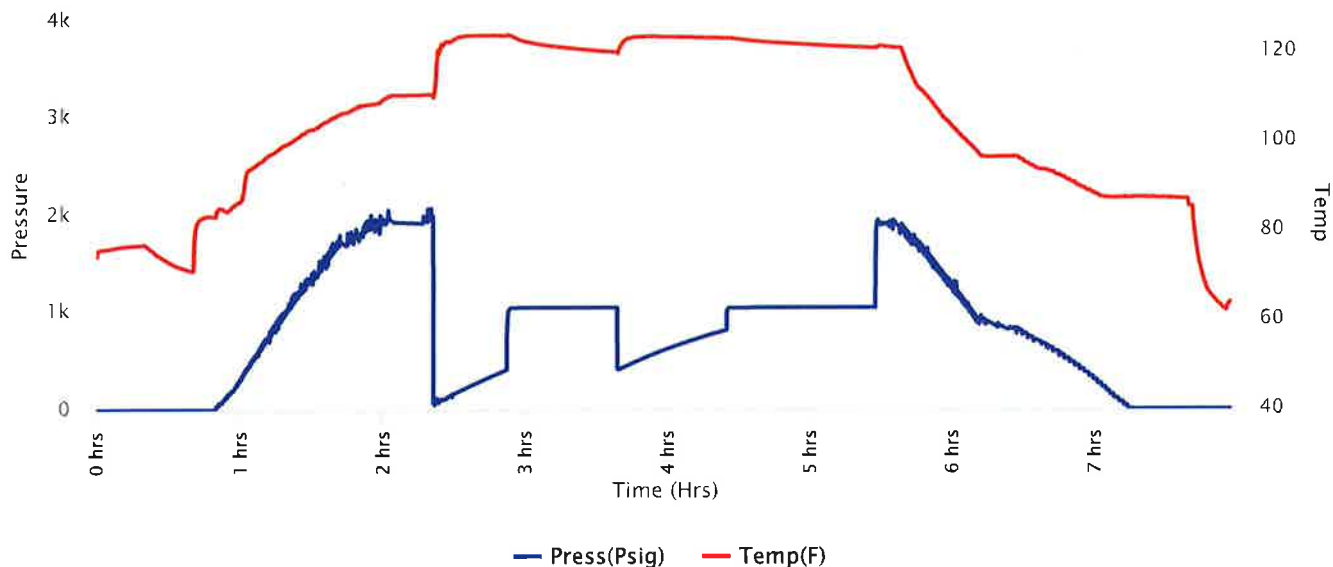
Electronic Volume Estimate:  
 2142'

1st Open  
 Minutes: 30  
 77" at 30 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 45  
 170" at 45 min

2nd Close  
 Minutes: 60  
 0" at 60 min





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 Time On: 22:40 09/08      Time Off: 06:25 09/09  
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Recovered

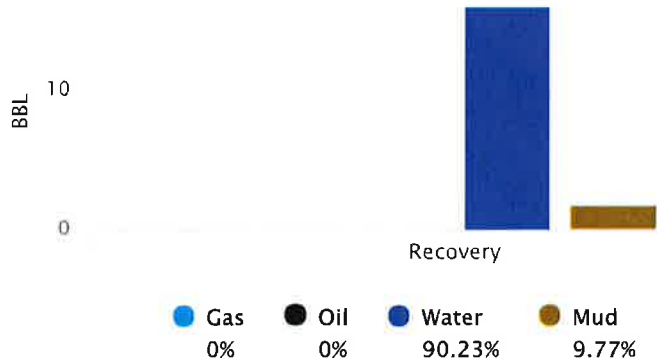
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
439	4.50414	MCW	0	0	73	27
1311	13.45086	SLMCW	0	0	96	4

Total Recovered: 1750 ft  
 Total Barrels Recovered: 17.955

Reversed Out  
 NO

**Recovery at a glance**

Initial Hydrostatic Pressure	1925	PSI
Initial Flow	61 to 405	PSI
<b>Initial Closed in Pressure</b>	<b>1050</b>	<b>PSI</b>
Final Flow Pressure	412 to 816	PSI
<b>Final Closed in Pressure</b>	<b>1049</b>	<b>PSI</b>
Final Hydrostatic Pressure	1902	PSI
Temperature	124	°F
Pressure Change Initial Close / Final Close	0.1	%





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Rig 1  
Elevation: 1504 egl  
Field Name: Buhler North  
Pool: Infield  
Job Number: 54

<b>DATE</b> September <b>08</b> 2017
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<b>DST #1</b>	<b>Formation:</b> <b>SIMPSON</b>	<b>Test Interval: 3882 -</b> <b>3897'</b>	<b>Total Depth: 3897'</b>
	Time On: 22:40 09/08	Time Off: 06:25 09/09	
	Time On Bottom: 00:56 09/09	Time Off Bottom: 03:56 09/09	

**REMARKS:**

TOOL SAMPLE:100% WATER

IFP:1"BLOW-BOB IN 3:35  
ISIP:NOBB  
FFP:1"BLOW-BOB IN 3:15  
FSIP:NOBB

Ph: 7

RW: .51 @ 65 degrees F

Chlorides: 17000 ppm





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Rig 1  
Elevation: 1504 egl  
Field Name: Buhler North  
Pool: Infield  
Job Number: 54

<b>DATE</b> September <b>08</b> 2017
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**DST #1**      **Formation:**  
**SIMPSON**      **Test Interval: 3882 -**      **Total Depth: 3897'**  
**3897'**  
Time On: 22:40 09/08      Time Off: 06:25 09/09  
Time On Bottom: 00:56 09/09      Time Off Bottom: 03:56 09/09

### Mud Properties

**Mud Type:** CHEMICAL    **Weight:** 9.5      **Viscosity:** 61      **Filtrate:** 11.2      **Chlorides:** 6700 ppm



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 Elevation: 1504 egl  
 Field Name: Buhler North  
 Pool: Infield  
 Job Number: 54

**DATE**  
 September  
**09**  
 2017

**DST #2**      **Formation: SIMPSON**      **Test Interval: 3927 - 3963'**      **Total Depth: 3963'**  
 Time On: 16:42 09/09      Time Off: 00:46 09/10  
 Time On Bottom: 19:15 09/09      Time Off Bottom: 23:00 09/09

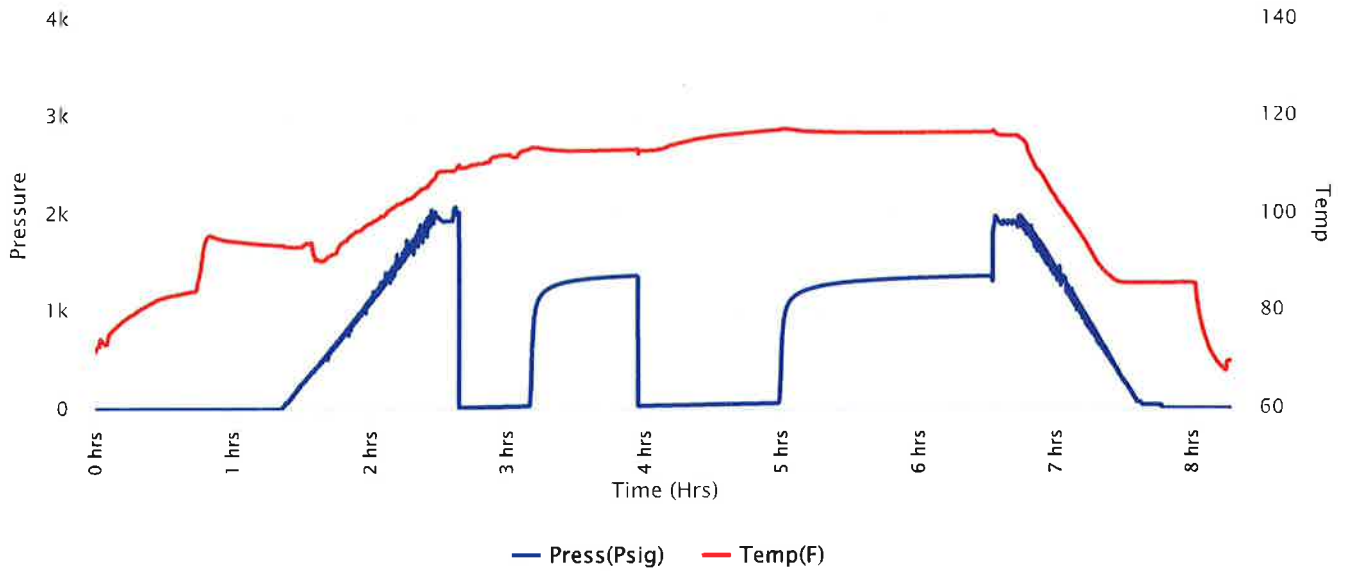
Electronic Volume Estimate:  
 73'

1st Open  
 Minutes: 30  
 3" at 30 min

1st Close  
 Minutes: 45  
 0" at 45 min

2nd Open  
 Minutes: 60  
 4.25" at 60 min

2nd Close  
 Minutes: 90  
 0" at 90 min





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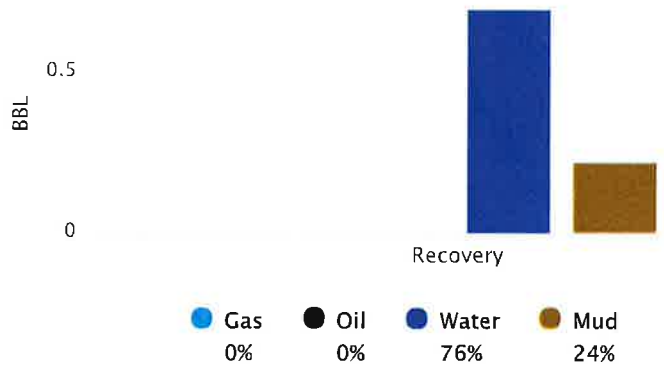
Recovered

<u>Foot</u>	<u>BBLs</u>	<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
90	0.9234	MCW	0	0	76	24

Total Recovered: 90 ft  
 Total Barrels Recovered: 0.9234

**Reversed Out**  
 NO

**Recovery at a glance**



Initial Hydrostatic Pressure	1939	PSI
Initial Flow	16 to 32	PSI
<b>Initial Closed in Pressure</b>	<b>1371</b>	<b>PSI</b>
Final Flow Pressure	32 to 68	PSI
<b>Final Closed in Pressure</b>	<b>1364</b>	<b>PSI</b>
Final Hydrostatic Pressure	1908	PSI
Temperature	118	°F
Pressure Change Initial Close / Final Close	0.4	%



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<b>DATE</b> September <b>09</b> 2017
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	Time On: 16:42 09/09	Time Off: 00:46 09/10	
	Time On Bottom: 19:15 09/09	Time Off Bottom: 23:00 09/09	

**REMARKS:**

TOOL SAMPLE: 1% OIL, 52% WATER, 47% MUD

IFP: WSB-BUILT TO 3"

ISIP: NOBB

FFP: NO BLOW-BUILT TO 4.25"

FSIP: NOBB

TRACE OF OIL IN 90' RECOVERY SAMPLES, > 1% OIL

Ph: 8

RW: .5 @ 70 degrees F

Chlorides: 15000 ppm







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Time On: 16:42 09/09      Time Off: 00:46 09/10  
Time On Bottom: 19:15 09/09      Time Off Bottom: 23:00 09/09

### **Mud Properties**

**Mud Type:** CHEMICAL    **Weight:** 9.5      **Viscosity:** 66      **Filtrate:** 9.4      **Chlorides:** 6600 ppm