



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco, LLC  
 2020 N. Bramblewood  
 Wichita, KS 67206  
 ATTN: Bryan Bynog

**8-3s-35w Rawlins,KS**  
**Pochop #1-8**  
 Job Ticket: 63426 **DST#: 2**  
 Test Start: 2017.11.14 @ 00:09:00

## GENERAL INFORMATION:

Formation: **Lans. "C"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:55:30  
 Time Test Ended: 10:20:45  
 Interval: **4218.00 ft (KB) To 4288.00 ft (KB) (TVD)**  
 Total Depth: 4288.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: James Winder  
 Unit No: 83  
 Reference Elevations: 3250.00 ft (KB)  
 3242.00 ft (CF)  
 KB to GR/CF: 8.00 ft

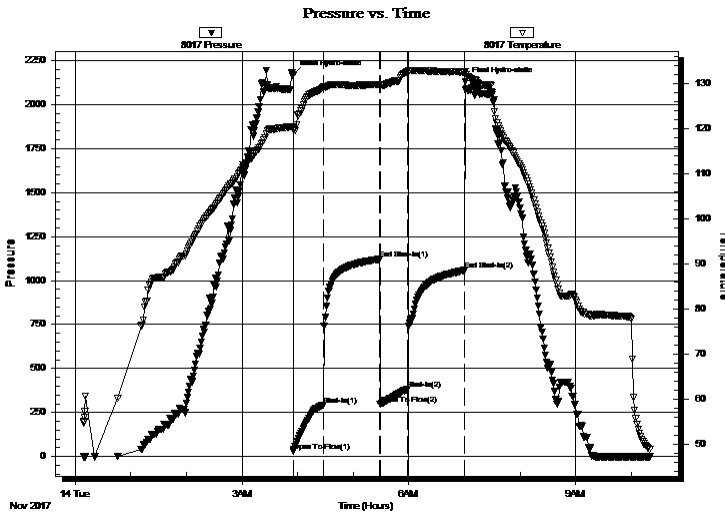
## Serial #: 8017

## Outside

Press@RunDepth: 384.26 psig @ 4219.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.11.14 End Date: 2017.11.14 Last Calib.: 2017.11.14  
 Start Time: 00:09:05 End Time: 10:20:45 Time On Btm: 2017.11.14 @ 03:55:15  
 Time Off Btm: 2017.11.14 @ 07:01:15

**TEST COMMENT:** 30 - IF: Blow built to BOB (11") at 10 3/4 min.  
 60 - IS: No blow back  
 30 - FF: Blow built to BOB at 16 min.  
 60 - FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2172.08	120.46	Initial Hydro-static
1	28.72	119.81	Open To Flow (1)
32	292.90	129.03	Shut-In(1)
93	1121.05	129.70	End Shut-In(1)
94	295.91	129.39	Open To Flow (2)
124	384.26	132.60	Shut-In(2)
185	1058.38	132.46	End Shut-In(2)
186	2132.98	132.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
395.00	MCW w/trace oil 90%w , 10%m	1.94
125.00	MCW w/oil spots 73%w , 26%m, 1%o	0.61
125.00	WCM w/oil spots 56%m, 32%w , 10%g,	21.74
60.00	SO/WCM 64%m, 27%w , 3%o, 2%g	0.84
100.00	SOCM 92%m, 4%o, 4%g	1.40

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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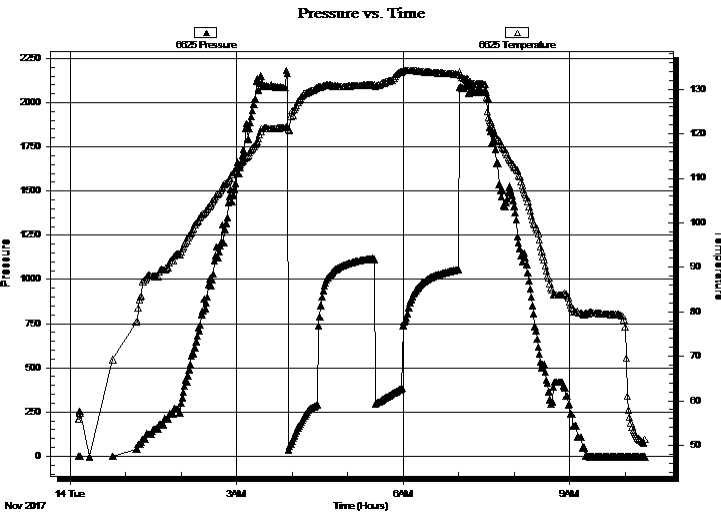
**8-3s-35w Rawlins, KS**  
**Pochop #1-8**  
Job Ticket: 63426 **DST#: 2**  
Test Start: 2017.11.14 @ 00:09:00

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Test Type: Conventional Bottom Hole (Reset)  
Tester: James Winder  
Unit No: 83  
Interval: **4218.00 ft (KB) To 4288.00 ft (KB) (TVD)**  
Reference Elevations: 3250.00 ft (KB)  
3242.00 ft (CF)  
Total Depth: 4288.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
KB to GR/CF: 8.00 ft

**Serial #: 6625 Inside**  
Press@RunDepth: psig @ 4219.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2017.11.14 End Date: 2017.11.14 Last Calib.: 2017.11.14  
Start Time: 00:09:05 End Time: 10:21:15 Time On Btm:  
Time Off Btm:

**TEST COMMENT:** 30 - IF: Blow built to BOB (11") at 10 3/4 min.  
60 - IS: No blow back  
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## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
395.00	MCW w/trace oil 90%w, 10%m	1.94
125.00	MCW w/oil spots 73%w, 26%m, 1%o	0.61
125.00	WCM w/oil spots 56%m, 32%w, 10%g,	21.74
60.00	SO/WCM 64%m, 27%w, 3%o, 2%g	0.84
100.00	SOCM 92%m, 4%o, 4%g	1.40

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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**FLUID SUMMARY**

Berexco, LLC

**8-3s-35w Rawlins,KS**

2020 N. Bramblewood  
Wichita, KS 67206

**Pochop #1-8**

Job Ticket: 63426

**DST#: 2**

ATTN: Bryan Bynog

Test Start: 2017.11.14 @ 00:09:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

37000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
395.00	MCW w/trace oil 90%w , 10%m	1.943
125.00	MCW w/oil spots 73%w , 26%m, 1%o	0.615
125.00	WCM w/oil spots 56%m, 32%w , 10%g, 2%o	1.735
60.00	SO/WCM 64%m, 27%w , 3%o, 2%g	0.842
100.00	SOCM 92%m, 4%o, 4%g	1.403

Total Length: 805.00 ft      Total Volume: 6.538 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .250 ohms @ 45.4 deg F

Chlorides = 37,000 ppm

