



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

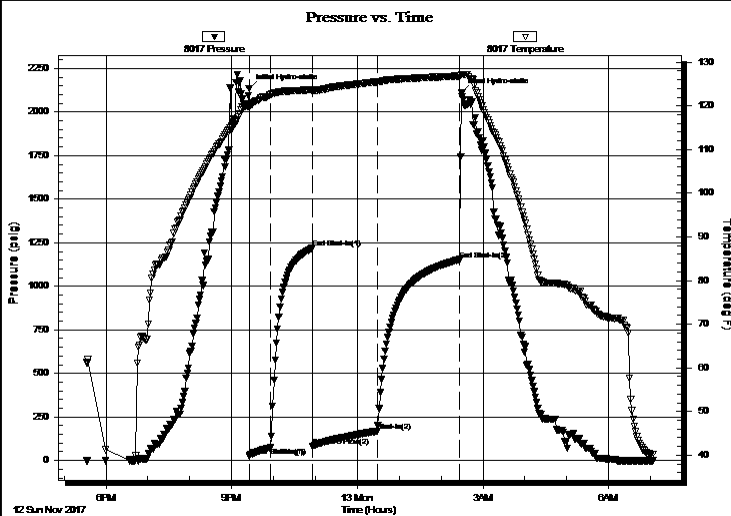
8/3s/35w Rawlins KS
Pochop #1-8
Job Ticket: 63325 **DST#: 1**
Test Start: 2017.11.12 @ 17:32:00

GENERAL INFORMATION:

Formation: **Lans. "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:25:00
Time Test Ended: 07:03:30
Interval: **4090.00 ft (KB) To 4190.00 ft (KB) (TVD)**
Total Depth: 4190.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
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: 168.98 psig @ 4091.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.11.12 End Date: 2017.11.13 Last Calib.: 2017.11.13
Start Time: 17:32:05 End Time: 07:03:30 Time On Btm: 2017.11.12 @ 21:24:45
Time Off Btm: 2017.11.13 @ 02:29:30

TEST COMMENT: 30 - IF: 1" Blow at open, built to 4"
60 - IS: No blow back
90 - FF: Blow built to 4", died back to 2 1/2" at close
120 - FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2134.00	120.44	Initial Hydro-static
1	24.94	119.54	Open To Flow (1)
31	73.94	122.69	Shut-In(1)
91	1218.58	123.76	End Shut-In(1)
92	81.56	123.28	Open To Flow (2)
184	168.98	125.49	Shut-In(2)
302	1153.45	126.85	End Shut-In(2)
305	2109.18	127.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
116.00	GOWCM 60% _m , 22% _w , 11% _g , 7% _o	0.57
154.00	OCM 71% _m , 23% _o , 6% _g	0.76
50.00	MCO 67% _o , 25% _m , 8% _g	0.25
0.00	GIP = 90'	0.00

Gas Rates

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



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Pochop #1-8

Job Ticket: 63325

DST#: 1

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Test Start: 2017.11.12 @ 17:32:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

36000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
116.00	GOWCM 60% <i>m</i> , 22% <i>w</i> , 11% <i>g</i> , 7% <i>o</i>	0.570
154.00	OCM 71% <i>m</i> , 23% <i>o</i> , 6% <i>g</i>	0.757
50.00	MCO 67% <i>o</i> , 25% <i>m</i> , 8% <i>g</i>	0.246
0.00	GIP = 90'	0.000

Total Length: 320.00 ft

Total Volume: 1.573 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 30.2 api @ 44 deg F Corrected Gravity = 31.8 api
RW = .442 ohms @ 41.8 deg F Chlorides = 36,000 ppm

