



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC
 2020 N. Bramblewood
 Wichita, KS 67206
 ATTN: Ryan White

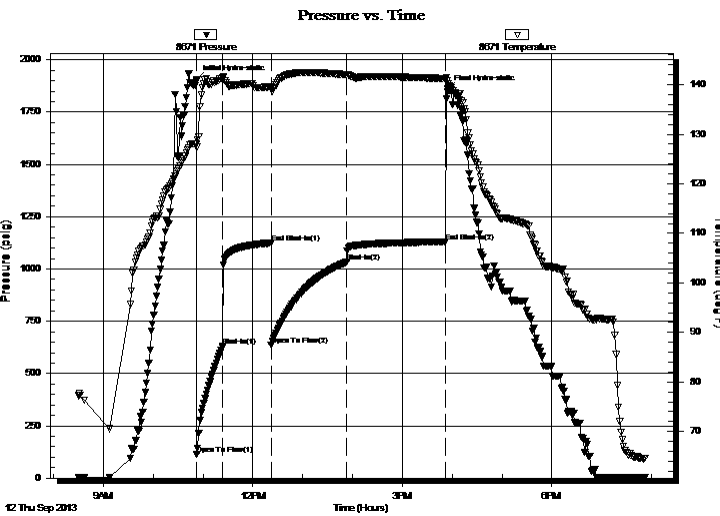
22/1s/36w Rawlins KS
Michael #2-22
 Job Ticket: 55079 **DST#: 1**
 Test Start: 2013.09.12 @ 08:30:00

GENERAL INFORMATION:

Formation: **Oread**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:52:30
 Time Test Ended: 19:53:00
 Interval: **3888.00 ft (KB) To 3972.00 ft (KB) (TVD)**
 Total Depth: 3972.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 3129.00 ft (KB)
 3118.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8671 Inside
 Press @ Run Depth: 1032.64 psig @ 3889.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.12 End Date: 2013.09.12 Last Calib.: 2013.09.12
 Start Time: 08:30:05 End Time: 19:53:00 Time On Btm: 2013.09.12 @ 10:52:15
 Time Off Btm: 2013.09.12 @ 15:54:00

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 1 3/4 min.
 60 - IS: Blow back built to 1 1/4"
 90 - FF: Blow built to BOB in 3 1/4 min.
 120 - FSI: Blow back built to BOB at 115 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1904.11	127.97	Initial Hydro-static
1	114.88	127.35	Open To Flow (1)
32	631.39	141.27	Shut-In(1)
90	1124.70	139.61	End Shut-In(1)
90	635.73	139.29	Open To Flow (2)
181	1032.64	142.01	Shut-In(2)
300	1130.79	141.26	End Shut-In(2)
302	1859.53	140.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
815.00	SMCW w/OS 91%w, 8%m, 1%o	6.62
650.00	GWM w/OS 44%m, 42%w, 11%g, 3%o	9.12
280.00	WCGMO 42%o, 32%m, 13%g, 13%w	3.93
280.00	MCO 73%o, 20%m, 7%g	3.93
270.00	CGO 81%o, 19%g	3.79
0.00	GIP = 300'	0.00

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 63.00 sec/qt
Water Loss: 5.20 in³
Resistivity: ohm.m
Salinity: 1100.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 19 deg API
Water Salinity: 13000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
815.00	SMCW w/OS 91%w, 8%m, 1%o	6.622
650.00	GWM w/OS 44%m, 42%w, 11%g, 3%o	9.118
280.00	WCGMO 42%o, 32%m, 13%g, 13%w	3.928
280.00	MCO 73%o, 20%m, 7%g	3.928
270.00	CGO 81%o, 19%g	3.787
0.00	GIP = 300'	0.000

Total Length: 2295.00 ft Total Volume: 27.383 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 19.6 api @ 66 deg F Corrected Gravity = 19 api
RW = .540 ohms @ 65.2 deg F Chlorides = 13,000 ppm
GIP = 300'

