



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

22-1S-36W - Rawlins KS

Michael #1-22

Job Ticket: 53502

DST#: 1

Test Start: 2013.08.15 @ 00:39:00

GENERAL INFORMATION:

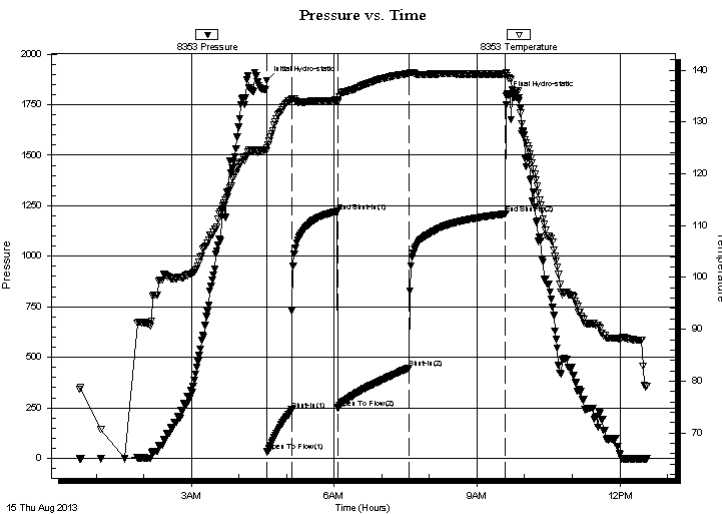
Formation: **Oread**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:35:30
 Time Test Ended: 12:34:15
 Interval: **3890.00 ft (KB) To 3980.00 ft (KB) (TVD)**
 Total Depth: 3980.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ryan Nichols
 Unit No: 42
 Reference Elevations: 3158.00 ft (KB)
 3147.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8353

Outside

Press@RunDepth: 447.21 psig @ 3891.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.15 End Date: 2013.08.15 Last Calib.: 2013.08.15
 Start Time: 00:39:15 End Time: 12:34:15 Time On Btm: 2013.08.15 @ 04:35:15
 Time Off Btm: 2013.08.15 @ 09:37:00

TEST COMMENT: 30 IF - 2" blow built to BoB @ 16 mins
 60 ISI - No return
 90 FF - Surface blow started @ 3 mins built to BoB @ 15 mins
 120 FSI - Surface blow started @ 15 mins built to 4" @ 92 mins died back to surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1868.86	125.00	Initial Hydro-static
1	33.13	124.48	Open To Flow (1)
31	240.30	134.28	Shut-In(1)
89	1221.89	134.19	End Shut-In(1)
90	248.44	133.82	Open To Flow (2)
180	447.21	139.38	Shut-In(2)
301	1209.38	139.24	End Shut-In(2)
302	1796.37	139.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
595.00	MCW - 20%M - 80%W	2.93
408.00	GO - 20%G - 80%O	5.72
0.00	408' GIP	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: 48.00 sec/qt
Water Loss: 6.79 in³
Resistivity: ohm.m
Salinity: 500.00 ppm
Filter Cake: 2.00 inches

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

Oil API: 19.6 deg API
Water Salinity: 65000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
595.00	MCW - 20%M - 80%W	2.926
408.00	GO - 20%G - 80%O	5.723
0.00	408' GIP	0.000

Total Length: 1003.00 ft Total Volume: 8.649 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: OIL API = 22 @ 84 DEG = 19.6 COR 60 DEG F
RW = .104 @ 72 DEG F

