



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC.

22-1S-36W - Rawlins KS

2020 N. Bramblewood
Wichita KS 67206

Michael #1-22

Job Ticket: 53419

DST#: 5

ATTN: Bryan Bynog

Test Start: 2013.08.19 @ 05:14:00

GENERAL INFORMATION:

Formation: **Lan D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:59:45

Time Test Ended: 18:47:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Wilbur Steinbeck

Unit No: 42

Interval: 4210.00 ft (KB) To 4250.00 ft (KB) (TVD)

Reference Elevations: 3158.00 ft (KB)

Total Depth: 4250.00 ft (KB) (TVD)

3147.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8353 Outside

Press @ Run Depth: 1143.18 psig @ 4211.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.19

End Date: 2013.08.19

Last Calib.: 2013.08.19

Start Time: 05:14:15

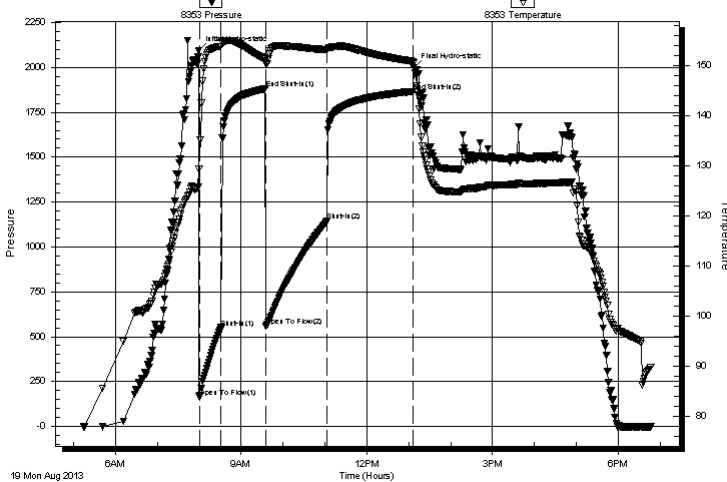
End Time: 18:47:15

Time On Btm: 2013.08.19 @ 07:58:45

Time Off Btm: 2013.08.19 @ 13:06:45

TEST COMMENT: 30 IF; BOB in 1 min
60 IS; BOB in 4 min
90 FF; BOB 1 min
120 FSI; Built to 10"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2092.19	125.69	Initial Hydro-static
1	164.85	129.48	Open To Flow (1)
32	546.36	153.90	Shut-In(1)
96	1881.02	151.35	End Shut-In(1)
97	559.03	150.51	Open To Flow (2)
184	1143.18	153.21	Shut-In(2)
307	1865.93	150.90	End Shut-In(2)
308	1998.84	150.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCO 45%M 55%O	0.59
2914.00	GO 10%G 90%O	36.55
120.00	GO 25%G 75%O	1.68
0.00	744 Gas In Pipe	0.00

* Recovery from multiple tests

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: 51.00 sec/qt

Water Loss: 6.00 in³

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MCO 45%M 55%O	0.590
2914.00	GO 10%G 90%O	36.549
120.00	GO 25%G 75%O	1.683
0.00	744 Gas In Pipe	0.000

Total Length: 3154.00 ft Total Volume: 38.822 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity 29.8@91 Deg F = 26.7

