



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita Ks 67206
ATTN: Pete Vollmer

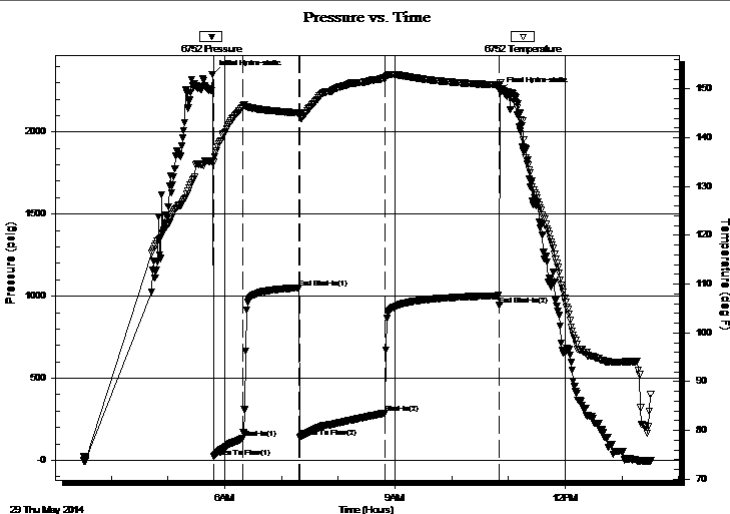
9-1S-37W
Mears B #2-9
Job Ticket: 58142 **DST#: 5**
Test Start: 2014.05.29 @ 03:31:00

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:48:20
Time Test Ended: 13:30:49
Interval: **4604.00 ft (KB) To 4644.00 ft (KB) (TVD)**
Total Depth: 4644.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Quintana
Unit No: 58
Reference Elevations: 3278.00 ft (KB)
3265.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6752 Inside
Press@RunDepth: 286.77 psig @ 4605.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.05.29 End Date: 2014.05.29 Last Calib.: 2014.05.29
Start Time: 03:31:01 End Time: 13:30:49 Time On Btm: 2014.05.29 @ 05:47:10
Time Off Btm: 2014.05.29 @ 10:51:39

TEST COMMENT: 30 - IF - Opened w/ surface blow, built to B.o.B in 16 min.
60 - ISI - Return built to 1 1/2", died back to 1"
90 - FF - Opened w with surface return, built to B.o.B in 17 min.
120 - FSI - Return built to 7"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2350.77	135.32	Initial Hydro-static
2	21.82	135.00	Open To Flow (1)
32	132.85	146.21	Shut-In(1)
91	1051.19	145.16	End Shut-In(1)
93	141.65	144.69	Open To Flow (2)
182	286.77	152.25	Shut-In(2)
304	945.11	150.78	End Shut-In(2)
305	2246.14	151.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
546.00	GOCM 40%o, 33%g, 27%m	2.87
188.00	100%o	2.64
5.00	GO 80%o, 20%g	0.07

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

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
546.00	GOCM 40%o, 33%g, 27%m	2.867
188.00	100%o	2.637
5.00	GO 80%o, 20%g	0.070

Total Length: 739.00 ft Total Volume: 5.574 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 38 Corrccted @ 60 = 41

