



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206 1094
ATTN: Bryan Bynog

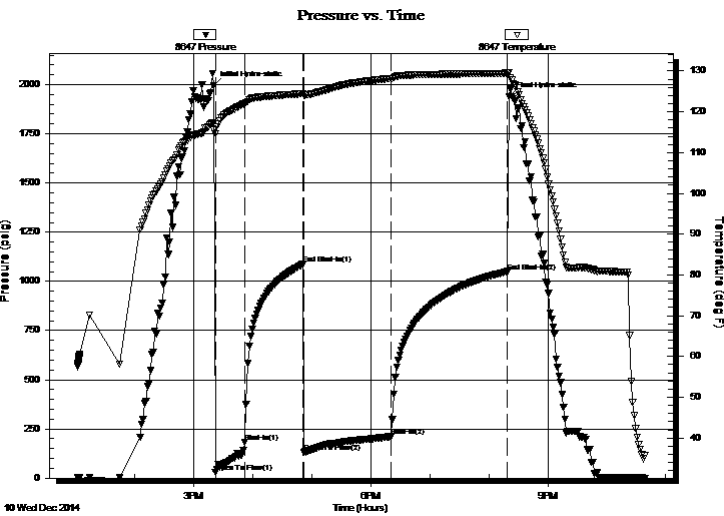
4-1s-36w Rawlins,KS
Moser #5-4
Job Ticket: 61048 **DST#: 3**
Test Start: 2014.12.10 @ 13:02:00

GENERAL INFORMATION:

Formation: **LKC "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:22:00
Time Test Ended: 22:39:00
Interval: **4010.00 ft (KB) To 4090.00 ft (KB) (TVD)**
Total Depth: 4090.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Quintana
Unit No: 57
Reference Elevations: 3066.00 ft (KB)
3055.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8647 **Inside**
Press@RunDepth: 210.47 psig @ 4011.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.12.10 End Date: 2014.12.10 Last Calib.: 2014.12.10
Start Time: 13:02:01 End Time: 22:39:00 Time On Btm: 2014.12.10 @ 15:20:30
Time Off Btm: 2014.12.10 @ 20:20:30

TEST COMMENT: 30 - IF - Opened w/ surface blow , built to 9 1/2"
60 - ISI - Return built to 1/4", died back to nothing
90 - FF - Blow built to B.o.B in 26 min.
120 - FSI - Return built to 4 1/2", died back to 2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1996.23	115.69	Initial Hydro-static
2	30.59	114.65	Open To Flow (1)
32	183.15	122.03	Shut-In(1)
90	1086.15	124.41	End Shut-In(1)
92	130.18	124.08	Open To Flow (2)
180	210.47	128.14	Shut-In(2)
299	1049.87	129.46	End Shut-In(2)
300	1940.03	129.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	OCM 50% m, 30% o, 20% g	1.48
60.00	GO 80% o, 20% g	0.30
137.00	100% CO	0.96

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: 30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.40 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 800.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	OCM 50% <i>m</i> , 30% <i>o</i> , 20% <i>g</i>	1.475
60.00	GO 80% <i>o</i> , 20% <i>g</i>	0.295
137.00	100% <i>CO</i>	0.959

Total Length: 497.00 ft Total Volume: 2.729 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity 32 @ 80 Corrected = 30

