



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC

22-1s-36w Rawlins, KS

2020 N Bramblewood
Wichita, KS 67206

Michael #6-22

Job Ticket: 53557

DST#: 4

ATTN: Pete Vollmer

Test Start: 2013.12.01 @ 22:10:00

GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:09:00

Time Test Ended: 08:23:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 66

Interval: 4190.00 ft (KB) To 4230.00 ft (KB) (TVD)

Reference Elevations: 3230.00 ft (KB)

Total Depth: 4230.00 ft (KB) (TVD)

3217.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8874

Inside

Press @ Run Depth: 183.08 psig @ 4191.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.01

End Date:

2013.12.02

Last Calib.:

2013.12.02

Start Time: 22:11:00

End Time:

08:23:30

Time On Btm:

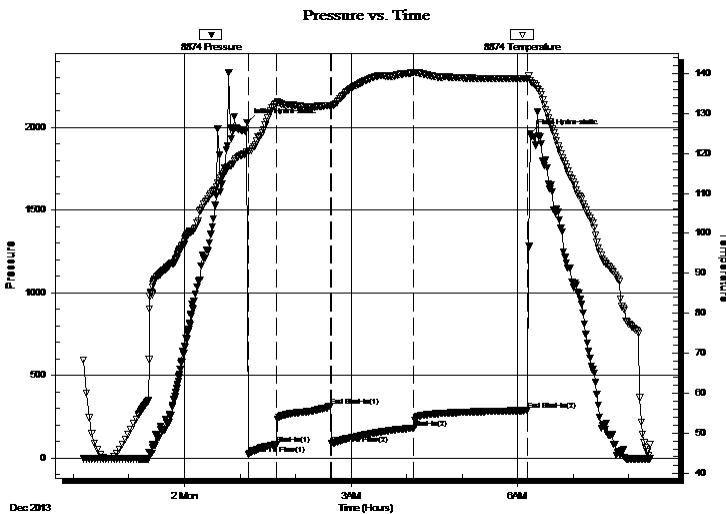
2013.12.02 @ 01:07:30

Time Off Btm:

2013.12.02 @ 06:13:30

TEST COMMENT: 30 - IF- Surface Blow built to 5"
60 - IS- No Return
90 - FF- Surface Blow started at 3 min. Built to 6 1/2"
120 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2025.89	120.40	Initial Hydro-static
2	24.79	120.26	Open To Flow (1)
32	82.46	132.55	Shut-In(1)
90	313.37	131.95	End Shut-In(1)
92	87.29	131.90	Open To Flow (2)
180	183.08	140.21	Shut-In(2)
303	288.32	138.74	End Shut-In(2)
306	1959.13	138.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	OSMW 20M 80W (oil spots)	0.89
180.00	OSMW 40M 60W (oil spots)	0.89
5.00	OCWM 85M 10W 5o	0.02

Gas Rates

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



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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:

50000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

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 bbbl
180.00	OSMW 20M 80W (oil spots)	0.885
180.00	OSMW 40M 60W (oil spots)	0.885
5.00	OCWM 85M 10W 5o	0.025

Total Length: 365.00 ft Total Volume: 1.795 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .177 @ 54 deg = 50,000ppm

