



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: 53556

DST#: 3

ATTN: Pete Vollmer

Test Start: 2013.12.01 @ 02:00:00

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:31:00

Time Test Ended: 12:41:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mac

Unit No: 66

Interval: 4076.00 ft (KB) To 4190.00 ft (KB) (TVD)

Total Depth: 4190.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3230.00 ft (KB)

3217.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8874 Inside

Press@RunDepth: 175.77 psig @ 4077.00 ft (KB)

Start Date: 2013.12.01

End Date:

2013.12.01

Start Time: 02:01:00

End Time:

12:41:30

Capacity: 8000.00 psig

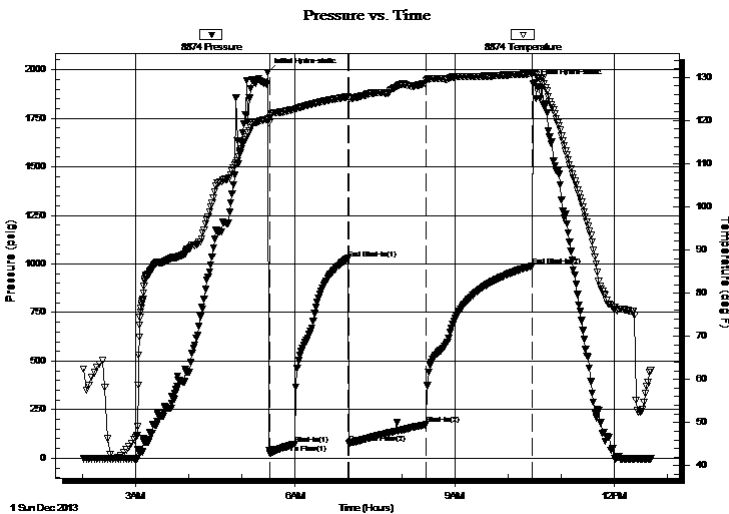
Last Calib.: 2013.12.01

Time On Btm: 2013.12.01 @ 05:29:00

Time Off Btm: 2013.12.01 @ 10:29:00

TEST COMMENT: 30 - IF- 3/4" Blow built to 5 3/4"
60 - IS- No Return
90 - FF- Surface Blow started at 5 min. built to 8"
120 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1986.30	120.35	Initial Hydro-static
2	23.78	120.56	Open To Flow (1)
30	71.41	122.59	Shut-In(1)
90	1027.65	125.48	End Shut-In(1)
92	77.61	125.20	Open To Flow (2)
179	175.77	129.11	Shut-In(2)
299	990.24	130.88	End Shut-In(2)
300	1928.93	131.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	OSWM 60M 40W (oil spots)	1.33
90.00	OSM 100M (oil spots)	0.44

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:

32000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 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
270.00	OSWM 60M 40W (oil spots)	1.328
90.00	OSM 100M (oil spots)	0.443

Total Length: 360.00 ft Total Volume: 1.771 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .223 @ 68 deg = 32,000ppm

