



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC
 2020 N. Bramblewood
 Wichita, KS 67206
 ATTN: Ryan White

22/1s/36w Rawlins KS
Michael #2-22
 Job Ticket: 55081 **DST#: 3**
 Test Start: 2013.09.14 @ 06:41:00

GENERAL INFORMATION:

Formation: **LKC "B"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 08:44:00 Tester: James Winder
 Time Test Ended: 16:19:00 Unit No: 57
 Interval: **4090.00 ft (KB) To 4160.00 ft (KB) (TVD)** Reference Elevations: 3142.00 ft (KB)
 Total Depth: 4160.00 ft (KB) (TVD) 3129.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 13.00 ft

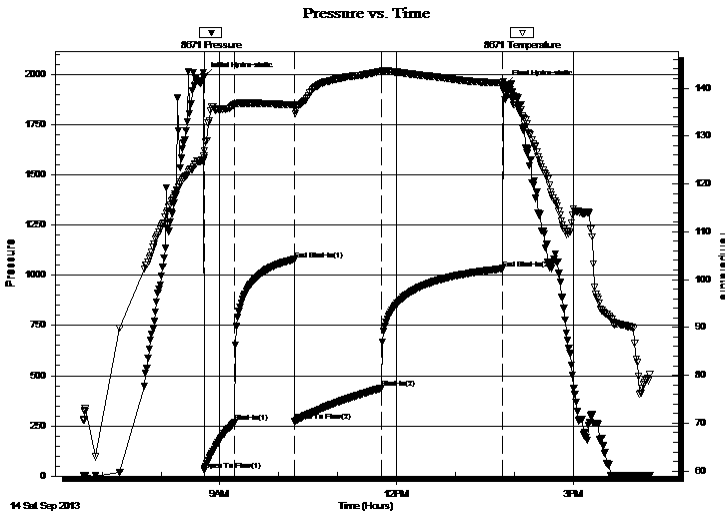
Serial #: 8671

Inside

Press @ Run Depth: 437.47 psig @ 4091.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.09.14 End Date: 2013.09.14 Last Calib.: 2013.09.14
 Start Time: 06:41:05 End Time: 16:19:00 Time On Btm: 2013.09.14 @ 08:43:45
 Time Off Btm: 2013.09.14 @ 13:51:15

TEST COMMENT: 30 - IF: 1" Blow at open, surging blow built to BOB (11") in 12 min.
 60 - IS: No blow back
 90 - FF: Blow built to BOB in 19 min.
 120 FSI: Blow back built to 1 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1989.83	125.83	Initial Hydro-static
1	29.30	125.45	Open To Flow (1)
31	266.23	136.50	Shut-In(1)
92	1079.04	136.49	End Shut-In(1)
92	271.85	135.92	Open To Flow (2)
181	437.47	143.55	Shut-In(2)
305	1033.34	141.03	End Shut-In(2)
308	1948.57	139.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
528.00	SMCW w/OS 91%w, 8%m, 1%o	2.60
372.00	SOC/GWM 50%m, 30%w, 11%g, 9%o	5.22
45.00	WOCM 48%m, 29%o, 20%w 3%g	0.63

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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DST#: 3

ATTN: Ryan White

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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:

12000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
528.00	SMCW w/OS 91%w, 8%m, 1%o	2.597
372.00	SOC/GWM 50%m, 30%w, 11%g, 9%o	5.218
45.00	WOCM 48%m, 29%o, 20%w 3%g	0.631

Total Length: 945.00 ft Total Volume: 8.446 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .443 ohms @ 84.7

Chlorides = 12,000 ppm

