



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

26/1s/36w Rawlins KS
Lillie #3-26
 Job Ticket: 56940 **DST#: 4**
 Test Start: 2014.07.09 @ 07:34:00

GENERAL INFORMATION:

Formation: **LKC "B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:40:45
 Time Test Ended: 17:51:45
 Interval: **4246.00 ft (KB) To 4310.00 ft (KB) (TVD)**
 Total Depth: 4310.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 3307.00 ft (KB)
 3294.00 ft (CF)
 KB to GR/CF: 13.00 ft

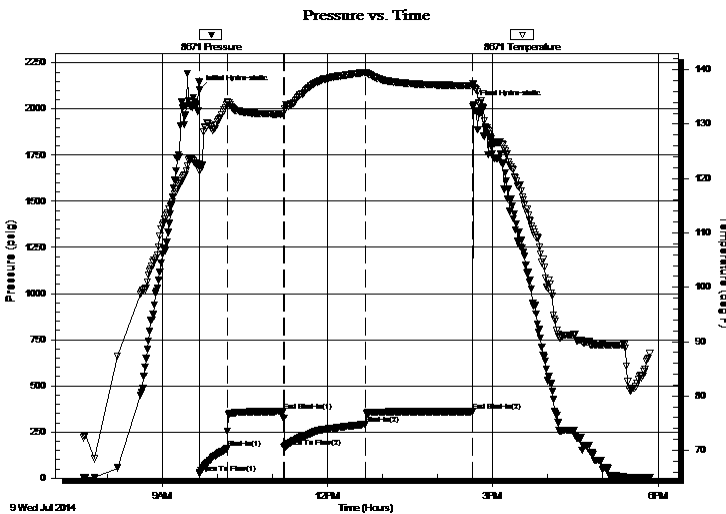
Serial #: 8671

Inside

Press @ Run Depth: 291.33 psig @ 4247.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.09 End Date: 2014.07.09 Last Calib.: 2014.07.09
 Start Time: 07:34:05 End Time: 17:51:45 Time On Btm: 2014.07.09 @ 09:40:30
 Time Off Btm: 2014.07.09 @ 14:38:45

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 26 min.
 60 - IS: No blow back
 90 - FF: Blow built to BOB at 68 min.
 120 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2103.80	122.51	Initial Hydro-static
1	26.90	121.48	Open To Flow (1)
31	163.13	133.95	Shut-In(1)
92	362.03	131.87	End Shut-In(1)
92	166.92	131.87	Open To Flow (2)
181	291.33	139.49	Shut-In(2)
297	360.97	137.07	End Shut-In(2)
299	2022.77	137.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
259.00	MCW w/trace oil 92%w , 8%m	1.27
178.00	MW w/trace oil 50%w , 45%m, 5%g	0.88
90.00	SO/WCM 57%m, 37%w , 4%g, 2%o	0.44
60.00	OCM 65%m, 31%o, 4%g	0.84

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

26/1s/36w Rawlins KS
Lillie #3-26
Job Ticket: 56940 **DST#: 4**
Test Start: 2014.07.09 @ 07:34:00

GENERAL INFORMATION:

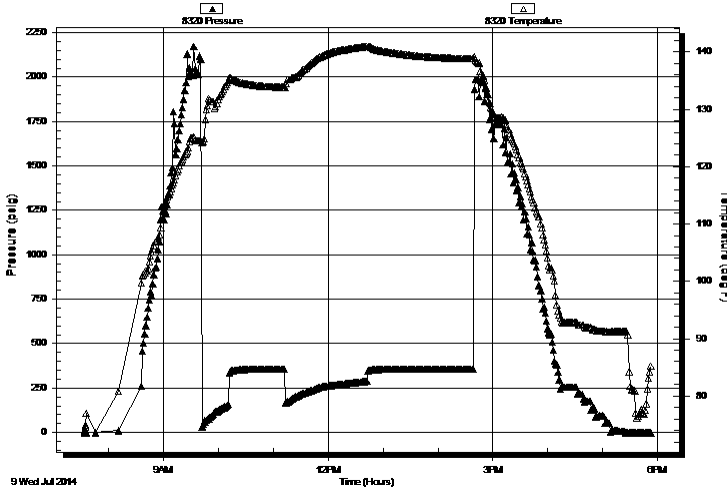
Formation: LKC "B"		Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)		Tester: James Winder
Time Tool Opened: 09:40:45		Unit No: 57
Time Test Ended: 17:51:45		Reference Elevations: 3307.00 ft (KB)
Interval: 4246.00 ft (KB) To 4310.00 ft (KB) (TVD)		3294.00 ft (CF)
Total Depth: 4310.00 ft (KB) (TVD)		KB to GR/CF: 13.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair	

Serial #: 8320 Outside

Press @ RunDepth: psig @ 4247.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2014.07.09 End Date: 2014.07.09	Last Calib.: 2014.07.09
Start Time: 07:34:05 End Time: 17:53:00	Time On Btm: Time Off Btm:

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 26 min.
60 - IS: No blow back
90 - FF: Blow built to BOB at 68 min.
120 - FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
259.00	MCW w/trace oil 92%w, 8%m	1.27
178.00	MW w/trace oil 50%w, 45%m, 5%g	0.88
90.00	SO/WCM 57%m, 37%w, 4%g, 2%o	0.44
60.00	OCM 65%m, 31%o, 4%g	0.84

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC

26/1s/36w Rawlins KS

2020 N. Bramblewood
Wichita, KS 67206

Lillie #3-26

Job Ticket: 56940

DST#: 4

ATTN: Pete Vollmer

Test Start: 2014.07.09 @ 07:34:00

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:

8500 ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
259.00	MCW w/trace oil 92%w, 8%m	1.274
178.00	MW w/trace oil 50%w, 45%m, 5%g	0.875
90.00	SO/WCM 57%m, 37%w, 4%g, 2%o	0.443
60.00	OCM 65%m, 31%o, 4%g	0.842

Total Length: 587.00 ft Total Volume: 3.434 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .542 ohms @ 91.9 deg F

Chlorides = 8,500 ppm

Pressure vs. Time

