



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

26/1s/36w Rawlins KS
Lillie #1-26
 Job Ticket: 55021 **DST#: 5**
 Test Start: 2013.11.16 @ 16:20:00

GENERAL INFORMATION:

Formation: **LKC "D-E"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 19:06:45 Tester: James Winder
 Time Test Ended: 03:07:30 Unit No: 150
 Interval: **4326.00 ft (KB) To 4414.00 ft (KB) (TVD)** Reference Elevations: 3264.00 ft (KB)
 Total Depth: 4414.00 ft (KB) (TVD) 3251.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 13.00 ft

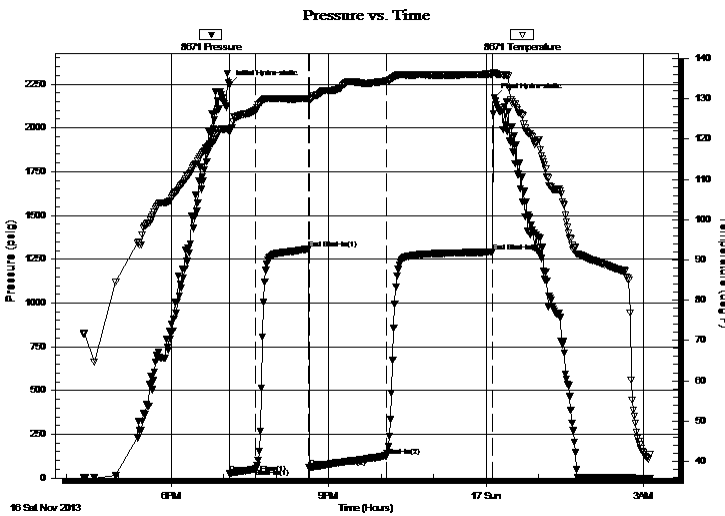
Serial #: 8671

Inside

Press @ Run Depth: 127.27 psig @ 4327.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.16 End Date: 2013.11.17 Last Calib.: 2013.11.17
 Start Time: 16:20:05 End Time: 03:07:30 Time On Btm: 2013.11.16 @ 19:06:30
 Time Off Btm: 2013.11.17 @ 00:09:30

TEST COMMENT: 30 - IF: Blow built to 7"
 60 - IS: No blow back
 90 - FF: Blow built to BOB (11") in 51 min.
 120 - FS: Blow back built to 3/4" then died back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2244.89	122.64	Initial Hydro-static
1	26.43	121.71	Open To Flow (1)
31	53.38	127.21	Shut-In(1)
91	1309.12	130.07	End Shut-In(1)
92	59.04	129.69	Open To Flow (2)
180	127.27	134.42	Shut-In(2)
301	1290.66	136.21	End Shut-In(2)
303	2172.30	136.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	GOCM 72%o, 16%g, 12%g	0.44
90.00	SMCGO 82%o, 10%g, 8%m	0.44
90.00	CGO 80%o, 20%g	0.44
0.00	GIP = 355'	0.00

* 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#: 5

ATTN: Pete Vollmer

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 2600.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 31.8 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	GOCM 72% _m , 16% _o , 12% _g	0.443
90.00	SMCGO 82% _o , 10% _g , 8% _m	0.443
90.00	CGO 80% _o , 20% _g	0.443
0.00	GIP = 355'	0.000

Total Length: 270.00 ft Total Volume: 1.329 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: LCM 8#

Gravity = 30.4 api @ 46 deg F
Corrected Gravity = 31.8 api

