



**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: 55020 **DST#: 4**
Test Start: 2013.11.15 @ 16:40:00

GENERAL INFORMATION:

Formation: **LKC "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:12:30
Time Test Ended: 03:33:00
Interval: **4264.00 ft (KB) To 4326.00 ft (KB) (TVD)**
Total Depth: 4326.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 150
Reference Elevations: 3264.00 ft (KB)
3251.00 ft (CF)
KB to GR/CF: 13.00 ft

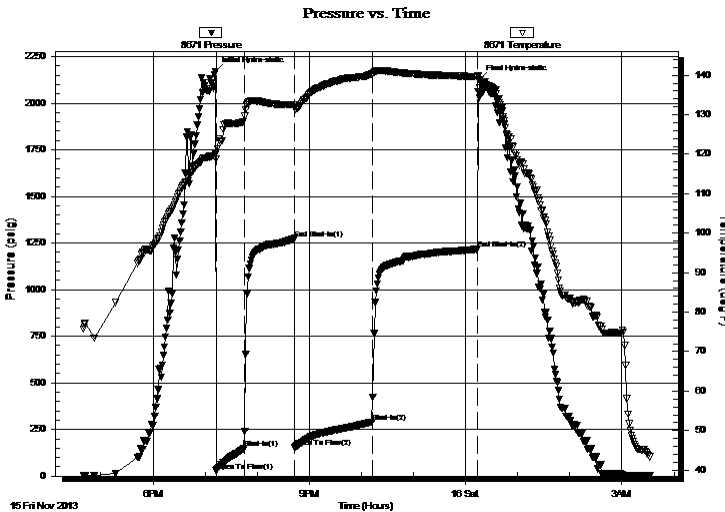
Serial #: 8671

Inside

Press @ Run Depth: 289.99 psig @ 4265.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.11.15 End Date: 2013.11.16 Last Calib.: 2013.11.16
Start Time: 16:40:05 End Time: 03:33:00 Time On Btm: 2013.11.15 @ 19:12:15
Time Off Btm: 2013.11.16 @ 00:16:15

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 15 min.
60 - IS: Blow back built to 5 1/2"
90 - FF: Blow built to BOB in 21 min.
120 - FS: Blow back built to 10"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2167.50	120.05	Initial Hydro-static
1	27.79	118.87	Open To Flow (1)
33	146.95	128.24	Shut-In(1)
91	1274.50	132.47	End Shut-In(1)
91	153.66	131.72	Open To Flow (2)
181	289.99	140.27	Shut-In(2)
302	1216.54	139.62	End Shut-In(2)
304	2127.45	135.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	GOCM 60% <i>m</i> , 26% <i>g</i> , 14% <i>o</i>	0.89
537.00	CGO 83% <i>o</i> , 15% <i>g</i> , 2% <i>m</i>	4.34
0.00	GIP = 565'	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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Lillie #1-26

Job Ticket: 55020

DST#: 4

ATTN: Pete Vollmer

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31.6 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	GOCM 60%m, 26%g, 14%o	0.885
537.00	CGO 83%o, 15%g, 2%m	4.344
0.00	GIP = 565'	0.000

Total Length: 717.00 ft Total Volume: 5.229 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM 6#

Gravity = 30.2 api @ 46 deg F

Corrected Gravity = 31.6 api

