



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC

9/1s/37w Cheyenne KS

2020 N. Bramblewood
Wichita, KS 67206

Mears 'A' #4-9

Job Ticket: 53500

DST#: 2

ATTN: Bryan Bynog

Test Start: 2014.03.16 @ 06:37:00

GENERAL INFORMATION:

Formation: **LKC "B - C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:39:30

Time Test Ended: 17:37:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: 4112.00 ft (KB) To 4240.00 ft (KB) (TVD)

Reference Elevations: 3153.00 ft (KB)

Total Depth: 4240.00 ft (KB) (TVD)

3142.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8671

Inside

Press @ Run Depth: 111.68 psig @ 4113.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.16

End Date:

2014.03.16

Last Calib.:

2014.03.16

Start Time: 06:37:05

End Time:

17:37:30

Time On Btm:

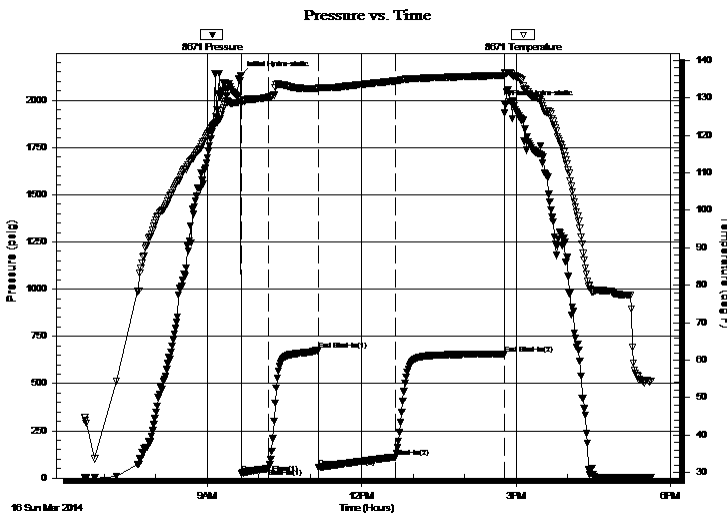
2014.03.16 @ 09:39:00

Time Off Btm:

2014.03.16 @ 14:46:45

TEST COMMENT: 30 - IF: 1/2" Blow at open, built to 2 3/4"
60 - IS: No blow back
90 - FF: Surface blow at 20 min., built to 3 1/2"
120 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2129.74	129.44	Initial Hydro-static
1	24.10	128.84	Open To Flow (1)
33	51.30	130.16	Shut-In(1)
91	678.03	132.50	End Shut-In(1)
91	58.32	132.19	Open To Flow (2)
180	111.68	134.50	Shut-In(2)
308	657.24	136.02	End Shut-In(2)
308	1977.90	136.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OWCM 78% _m , 14% _w , 5% _o , 3% _g	0.30
105.00	OCM 87% _m , 11% _o , 2% _m	0.52
15.00	OM 50% _m , 48% _o , 2% _g	0.07
5.00	CO 95% _o , 3% _m , 2% _g	0.02

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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ATTN: Bryan Bynog

Test Start: 2014.03.16 @ 06:37:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 68.00 sec/qt
Water Loss: 6.80 in³
Resistivity: ohm.m
Salinity: 700.00 ppm
Filter Cake: 2.00 inches

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

Oil API: 27 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OWCM 78% <i>m</i> , 14% <i>w</i> , 5% <i>o</i> , 3% <i>g</i>	0.295
105.00	OCM 87% <i>m</i> , 11% <i>o</i> , 2% <i>m</i>	0.516
15.00	OM 50% <i>m</i> , 48% <i>o</i> , 2% <i>g</i>	0.074
5.00	CO 95% <i>o</i> , 3% <i>m</i> , 2% <i>g</i>	0.025

Total Length: 185.00 ft Total Volume: 0.910 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 27.2 api @ 62 deg F
Corrected Gravity 27 api
Was unable to check RW of water for chlorides

