



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC.

23 1s 36w Rawlins Ks.

2020 N. Bramblewood
Wichita Ks.
67206
ATTN: Pete Vollmer

Michael #1-23

Job Ticket: 56790

DST#: 5

Test Start: 2014.02.17 @ 15:00:00

GENERAL INFORMATION:

Formation: **LKC-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:11:30

Time Test Ended: 01:47:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 4280.00 ft (KB) To 4380.00 ft (KB) (TVD)

Reference Elevations: 3284.00 ft (KB)

Total Depth: 4360.00 ft (KB) (TVD)

3271.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8673

Inside

Press@RunDepth: 220.65 psig @ 4281.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.17

End Date:

2014.02.18

Last Calib.:

2014.02.18

Start Time: 15:00:01

End Time:

01:47:30

Time On Btm:

2014.02.17 @ 16:57:00

Time Off Btm:

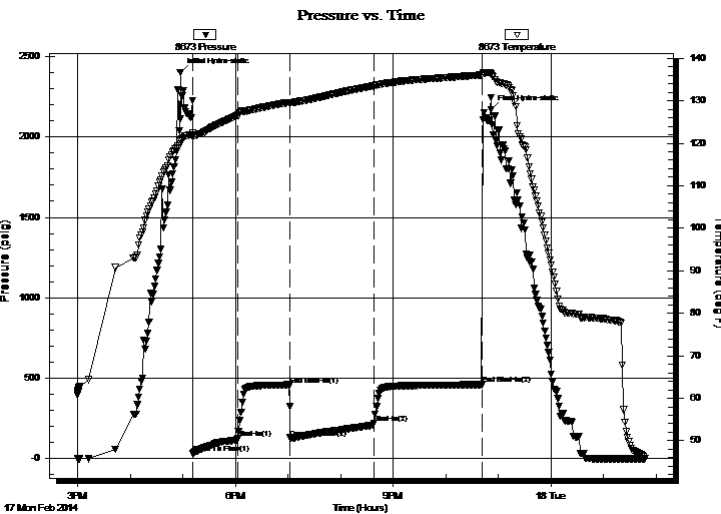
2014.02.17 @ 22:52:00

TEST COMMENT: IF: Fair blow, Built to B.O.B over 20 mins 10 min longer due to the safety chain wrapped around the head.

IS: Bled over. Weak surface blow, Built to 3 in.

FF: Fair blow, Built to BOB in 40 min

FS: Bled off blow, Weak surface blow built to 3 in died to surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2401.41	119.91	Initial Hydro-static
15	30.52	121.59	Open To Flow (1)
66	126.20	126.50	Shut-In(1)
125	459.06	129.61	End Shut-In(1)
126	128.75	129.50	Open To Flow (2)
221	220.65	133.50	Shut-In(2)
345	460.20	136.06	End Shut-In(2)
355	2168.37	136.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
188.00	gmco-20%g20%m60%o	0.92
94.00	gmco-25%g10%m65%o	0.46
282.00	go 20%g 80%o	1.73
0.00	188' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Test Start: 2014.02.17 @ 15:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 80.00 sec/qt
Water Loss: 5.60 in³
Resistivity: ohm.m
Salinity: 600.00 ppm
Filter Cake: 2.00 inches

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

Oil API: 35.6 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
188.00	gmco-20%g20%m60%o	0.925
94.00	gmco-25%g10%m65%o	0.462
282.00	go 20%g 80%o	1.733
0.00	188' GIP	0.000

Total Length: 564.00 ft Total Volume: 3.120 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 36 @ 64

Serial #: 8673

Inside

Berexco LLC.

Michael #1-23

DST Test Number: 5

