



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC
2020 N. Bramblewood
Wichita, KS 67206
ATTN: Bryan Bynog

9/1s/37w Cheyenne KS
Mears 'A' #3-9
Job Ticket: 55979 **DST#: 3**
Test Start: 2014.03.30 @ 06:55:00

GENERAL INFORMATION:

Formation: **LKC " D&E "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:22:45
Time Test Ended: 17:16:45
Interval: **4335.00 ft (KB) To 4435.00 ft (KB) (TVD)**
Total Depth: 4435.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 3263.00 ft (KB)
3252.00 ft (CF)
KB to GR/CF: 11.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Robert Zodrow
Unit No: 57

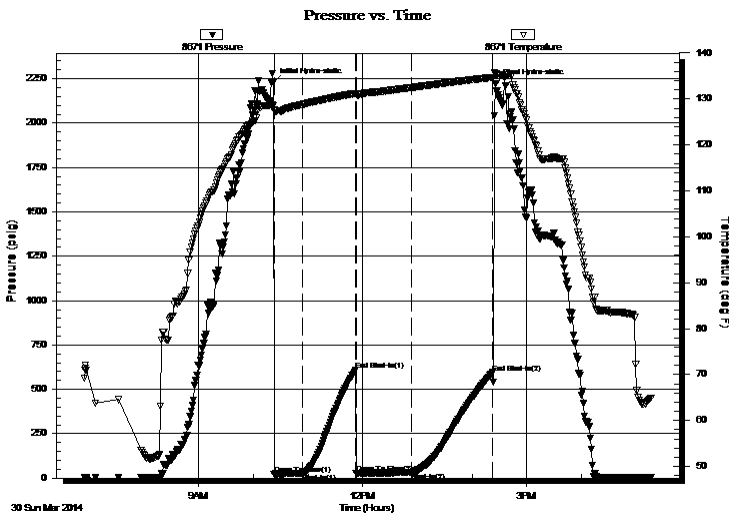
Serial #: 8671

Inside

Press @ RunDepth: 30.15 psig @ 4336.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.03.30 End Date: 2014.03.30 Last Calib.: 2014.03.30
Start Time: 06:55:05 End Time: 17:16:45 Time On Btm: 2014.03.30 @ 10:22:30
Time Off Btm: 2014.03.30 @ 14:26:00

TEST COMMENT: 30-IF-Blow Built To 1/2"
60-ISI-No Return
60-FF-No Blow
90-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2230.13	128.62	Initial Hydro-static
1	22.28	127.42	Open To Flow (1)
32	26.25	128.81	Shut-In(1)
90	611.36	131.21	End Shut-In(1)
91	27.40	130.91	Open To Flow (2)
151	30.15	132.47	Shut-In(2)
240	594.12	134.70	End Shut-In(2)
244	2224.45	135.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

* Recovery from multiple tests

Gas Rates

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



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Total Depth: 4435.00 ft (KB) (TVD)

3252.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8320 Outside

Press @ Run Depth: psig @ 4336.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.30

End Date:

2014.03.30

Last Calib.:

2014.03.30

Start Time: 06:55:05

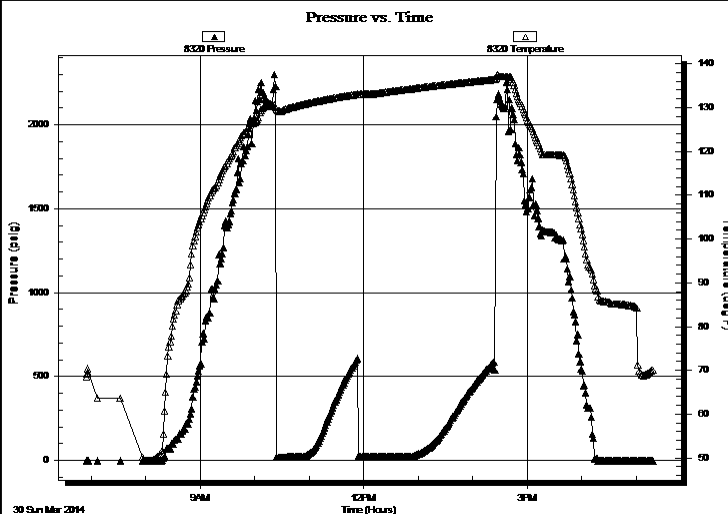
End Time:

17:18:30

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Blow Built To 1/2"
60-ISI-No Return
60-FF-No Blow
90-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

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FLUID SUMMARY

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9/1s/37w Cheyenne KS

2020 N. Bramblewood
Wichita, KS 67206

Mears 'A' #3-9

Job Ticket: 55979

DST#: 3

ATTN: Bryan Bynog

Test Start: 2014.03.30 @ 06:55:00

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:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

