



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC.

23-1s-36w Rawlins Co. KS

2020 N. Bramble
Wichita KS. 67206

Michael # 2-23

Job Ticket: 57229

DST#: 3

ATTN: Pete Vollmer

Test Start: 2014.03.30 @ 01:20:00

GENERAL INFORMATION:

Formation: **LKC " B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:58:40

Time Test Ended: 12:30:25

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 72

Interval: 4254.00 ft (KB) To 4318.00 ft (KB) (TVD)

Reference Elevations: 3302.00 ft (KB)

Total Depth: 4318.00 ft (KB) (TVD)

3289.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 55.12 psig @ 4256.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.30

End Date:

2014.03.30

Last Calib.:

2014.03.30

Start Time:

01:20:00

End Time:

12:30:25

Time On Btm:

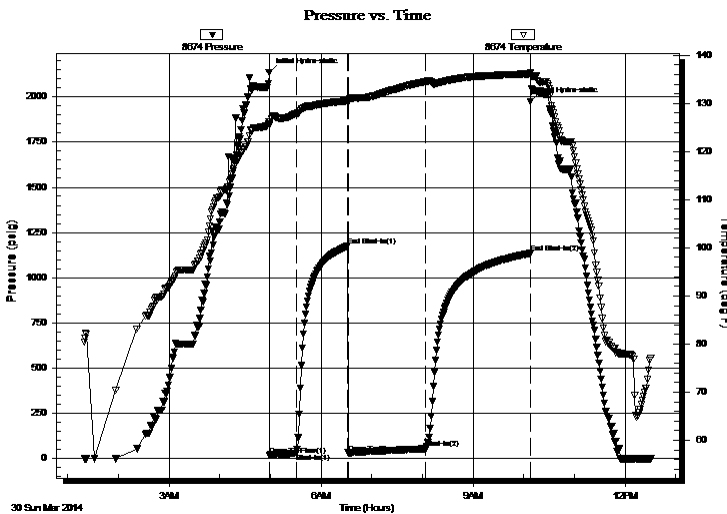
2014.03.30 @ 04:58:25

Time Off Btm:

2014.03.30 @ 10:07:55

TEST COMMENT: IF- Weak Surface Blow Built to 1"
IS- No Blow
FF- Weak Surface Blow after 40min Built to 1/4"
FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2135.19	126.25	Initial Hydro-static
1	19.63	125.49	Open To Flow (1)
32	29.47	127.83	Shut-In(1)
93	1174.58	130.52	End Shut-In(1)
94	31.56	130.16	Open To Flow (2)
186	55.12	134.54	Shut-In(2)
310	1134.93	136.13	End Shut-In(2)
310	1975.67	136.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
92.00	WCM 43%w 57%w with a Skim of Oil	0.45

Gas Rates

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

* Recovery from multiple tests



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Reference Elevations: 3302.00 ft (KB)

Total Depth: 4318.00 ft (KB) (TVD)

3289.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8355 Outside

Press @ Run Depth: psig @ 4256.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.30

End Date: 2014.03.30

Last Calib.: 2014.03.30

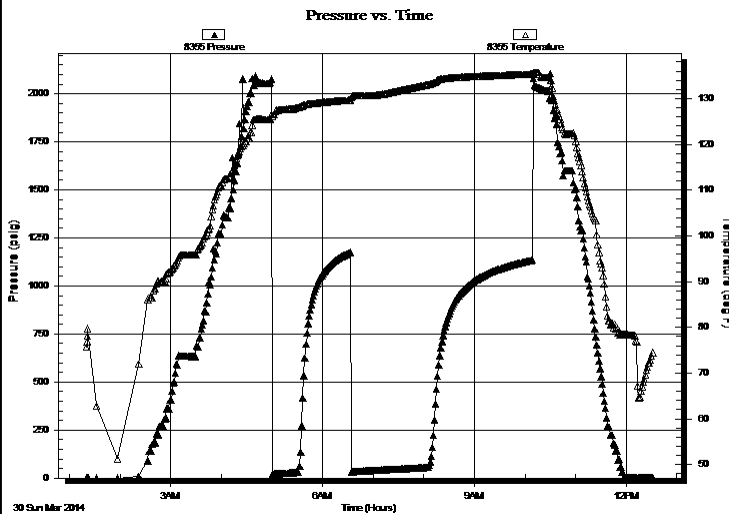
Start Time: 01:20:05

End Time: 12:32:30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF- Weak Surface Blow Built to 1"
IS- No Blow
FF- Weak Surface Blow after 40min Built to 1/4"
FS- No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
92.00	WCM 43%w 57%o with a Skim of Oil	0.45

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC.

23-1s-36w Rawlins Co. KS

2020 N. Bramble
Wichita KS. 67206

Michael # 2-23

Job Ticket: 57229

DST#: 3

ATTN: Pete Vollmer

Test Start: 2014.03.30 @ 01:20:00

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:

25500 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
92.00	WCM 43%w 57%m with a Skim of Oil on T	0.452

Total Length: 92.00 ft Total Volume: 0.452 bbl

Num Fluid Samples: 0

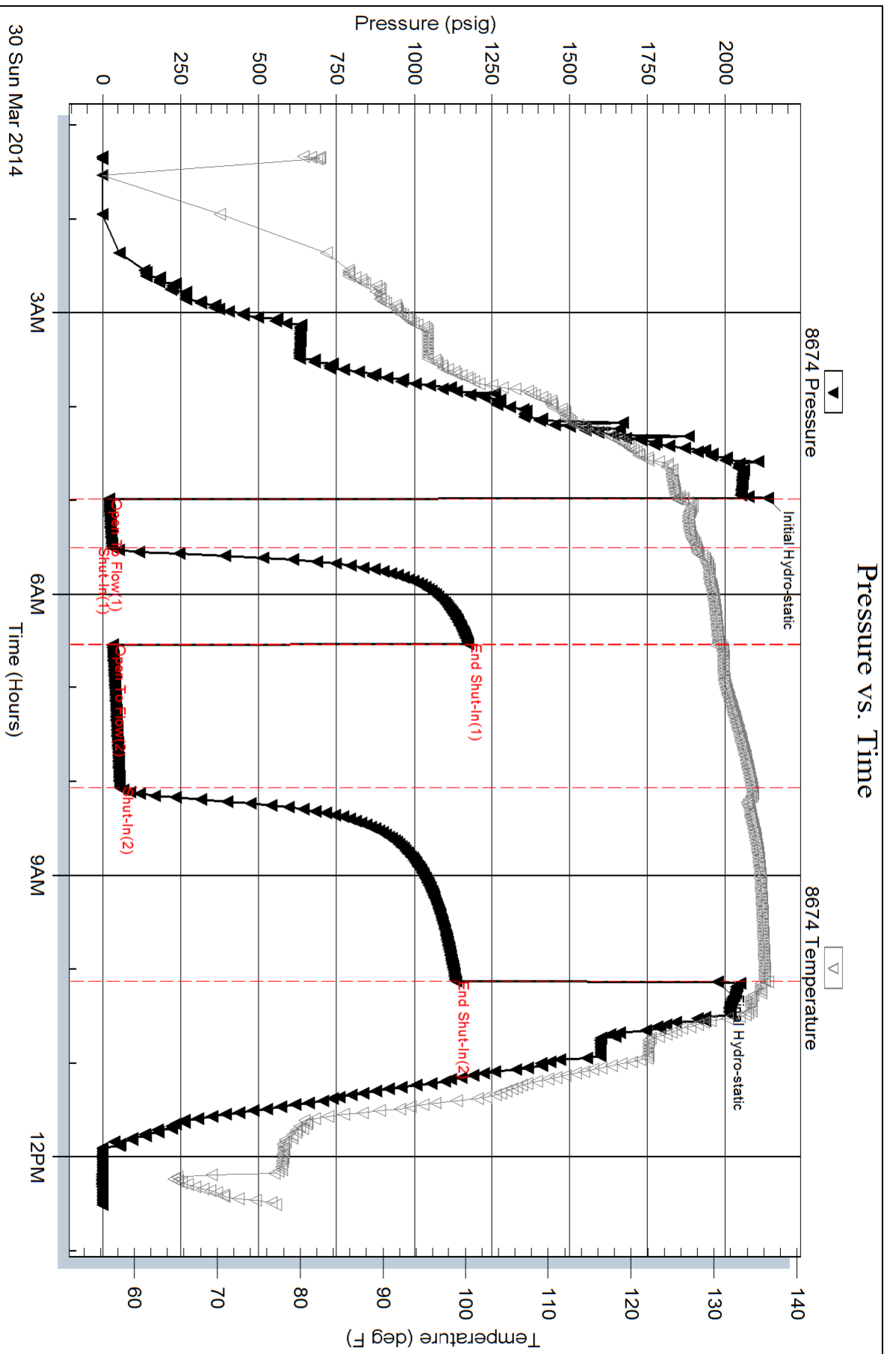
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .238 @ 77f = 25500



Serial #: 8355

Outside Berexco LLC.

Michael # 2-23

DST Test Number: 3

