



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco, LLC.

**22-1s-36w Rawlins, KS**

2020 N Bramblewood  
Wichita, KS 67206

**Michael #4-22**

Job Ticket: 53400

**DST#: 5**

ATTN: Pete Vollmer

Test Start: 2014.03.04 @ 08:41:00

## GENERAL INFORMATION:

Formation: **LKC "D,E"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:02:30  
 Time Test Ended: 18:58:00  
 Interval: **4262.00 ft (KB) To 4330.00 ft (KB) (TVD)**  
 Total Depth: 4330.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Kevin Mack  
 Unit No: 66  
 Reference Elevations: 3186.00 ft (KB)  
 3173.00 ft (CF)  
 KB to GR/CF: 13.00 ft

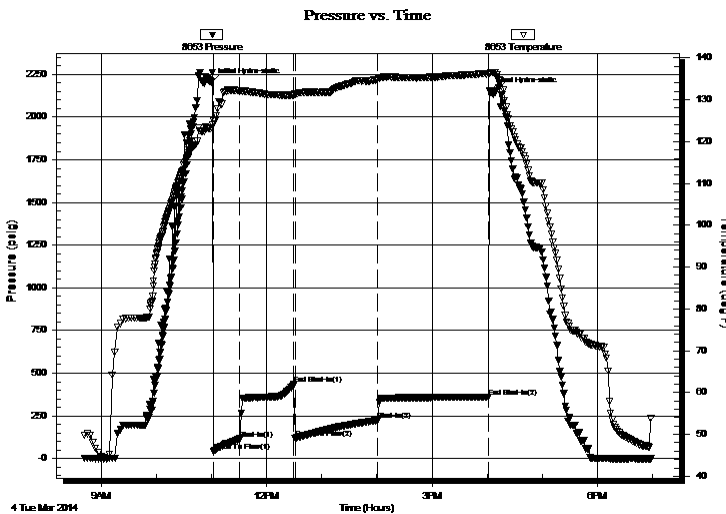
**Serial #: 8653**

**Outside**

Press @ Run Depth: 226.39 psig @ 4263.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.03.04 End Date: 2014.03.04 Last Calib.: 2014.03.04  
 Start Time: 08:42:00 End Time: 18:58:00 Time On Btm: 2014.03.04 @ 11:00:00  
 Time Off Btm: 2014.03.04 @ 16:02:30

**TEST COMMENT:** 30 - IF- 1/2" Blow built to 8 3/4"  
 60 - IS- No Return  
 90 - FF- Surface Blow started at 7 min. Built to BoB in 75 min.  
 120 - FS- No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2201.98	123.33	Initial Hydro-static
3	43.05	124.97	Open To Flow (1)
31	115.18	132.10	Shut-In(1)
90	433.09	131.14	End Shut-In(1)
91	117.45	131.35	Open To Flow (2)
181	226.39	134.87	Shut-In(2)
301	359.28	136.19	End Shut-In(2)
303	2151.75	136.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
282.00	OCWM 50M 48W 2o	1.39
164.00	OCM 98M 2o	0.81

## Gas Rates

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



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Tester: Kevin Mack

Unit No: 66

Interval: 4262.00 ft (KB) To 4330.00 ft (KB) (TVD)

Reference Elevations: 3186.00 ft (KB)

Total Depth: 4330.00 ft (KB) (TVD)

3173.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8874

Inside

Press@RunDepth: psig @ 4263.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.04

End Date:

2014.03.04

Last Calib.:

2014.03.04

Start Time: 08:42:00

End Time:

19:00:00

Time On Btm:

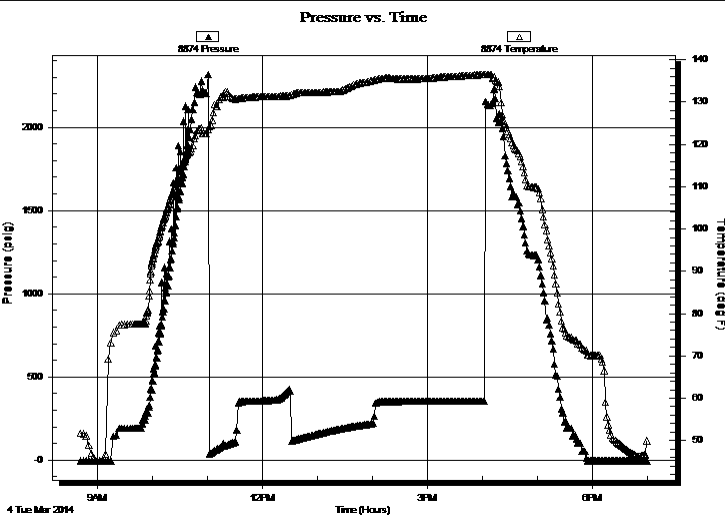
Time Off Btm:

TEST COMMENT: 30 - IF- 1/2" Blow built to 8 3/4"

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### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
282.00	OCWM 50M 48W 2o	1.39
164.00	OCM 98M 2o	0.81

### Gas Rates

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



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## FLUID SUMMARY

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**22-1s-36w Rawlins, KS**

2020 N Bramblewood  
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**Michael #4-22**

Job Ticket: 53400

**DST#: 5**

ATTN: Pete Vollmer

Test Start: 2014.03.04 @ 08:41:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

40000 ppm

Viscosity: 71.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
282.00	OCWM 50M 48W 2o	1.387
164.00	OCM 98M 2o	0.807

Total Length: 446.00 ft      Total Volume: 2.194 bbl

Num Fluid Samples: 0

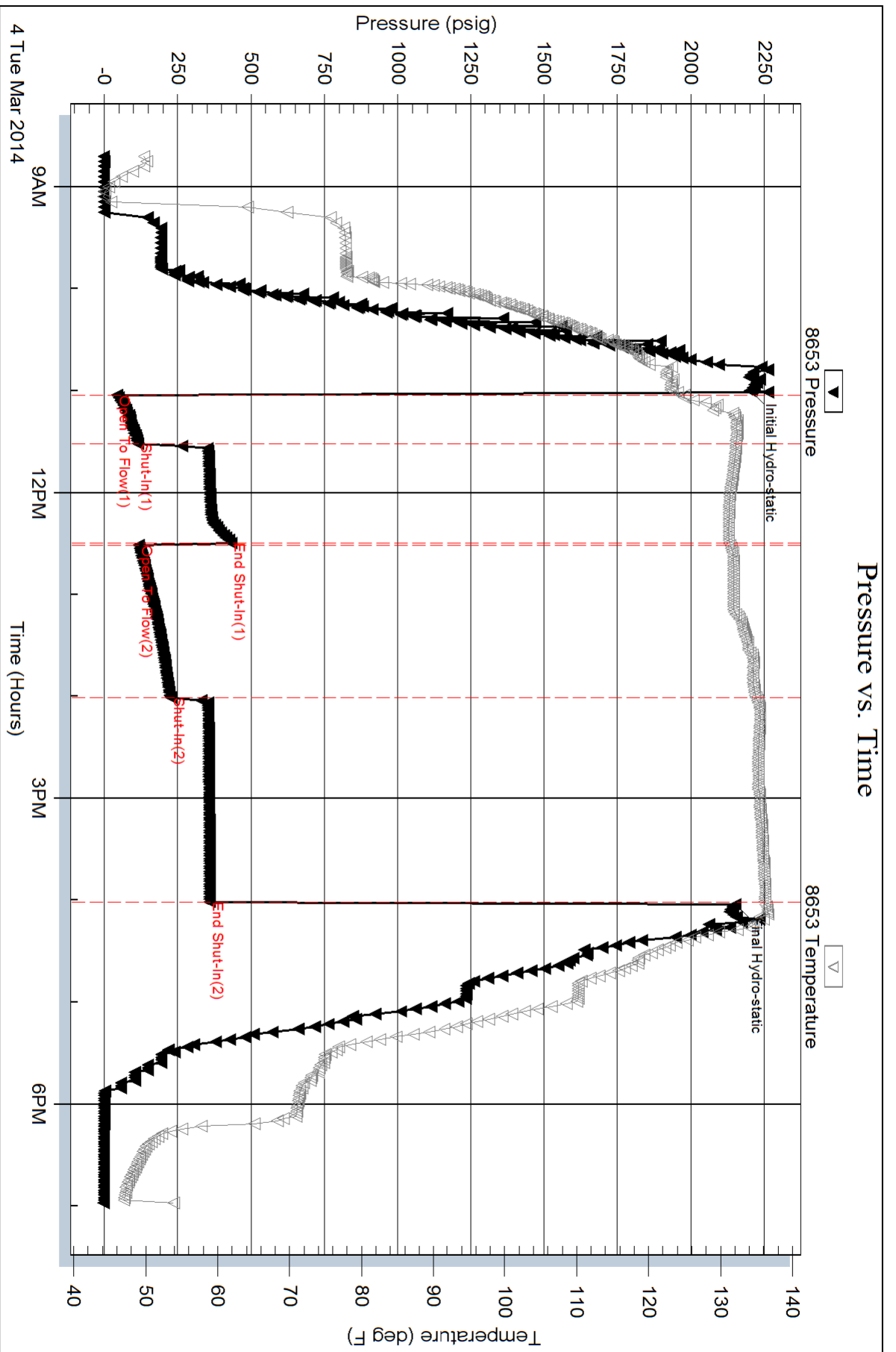
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .172 @ 75 = 40,000ppm



Serial #: 8874

Inside

Berexco, LLC.

Michael #4-22

DST Test Number: 5

