



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Fossil Resources, LLC

**33 12s 36w Logan, Ks**

11 W 36th St.  
Hays, Ks 67601

**Nelson #2**

Job Ticket: 65529

**DST#: 2**

ATTN: Lyle Herrman

Test Start: 2016.06.20 @ 12:36:00

## GENERAL INFORMATION:

Formation: **LLKC - D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:14:45

Time Test Ended: 20:44:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 3910.00 ft (KB) To 3925.00 ft (KB) (TVD)**

Reference Elevations: 3071.00 ft (KB)

Total Depth: 3925.00 ft (KB) (TVD)

3063.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 8845 Outside**

Press@RunDepth: 794.75 psig @ 3911.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.20 End Date: 2016.06.20

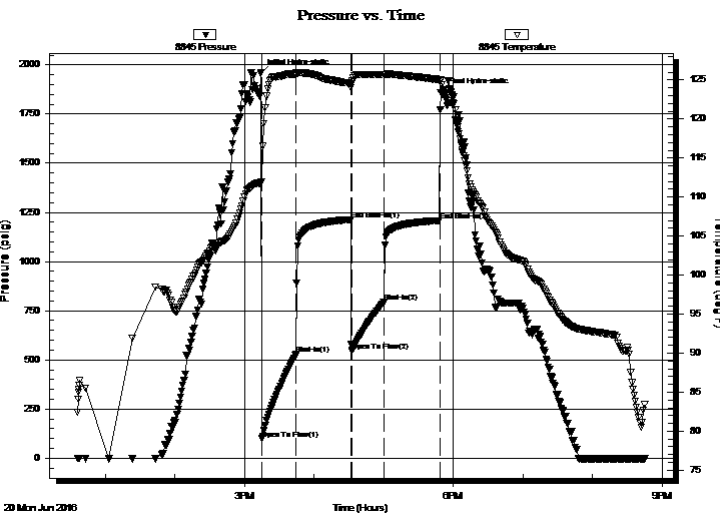
Last Calib.: 2016.06.20

Start Time: 12:36:05 End Time: 20:44:44

Time On Btm: 2016.06.20 @ 15:14:00

Time Off Btm: 2016.06.20 @ 17:49:00

**TEST COMMENT:** IF: BOB @ 2 min.  
IS: No return.  
FF: BOB @ 2 1/2 min.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1955.37	111.90	Initial Hydro-static
1	98.25	111.94	Open To Flow (1)
31	529.61	125.74	Shut-In(1)
78	1213.78	124.51	End Shut-In(1)
79	544.51	124.57	Open To Flow (2)
107	794.75	125.66	Shut-In(2)
154	1208.40	125.07	End Shut-In(2)
155	1860.63	124.93	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1750.00	smcw 1m 99w (oil specs in tool)	22.47

\* Recovery from multiple tests

## Gas Rates

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





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## FLUID SUMMARY

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### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

52000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 15000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1750.00	smcw 1m 99w (oil specs in tool)	22.470

Total Length: 1750.00 ft      Total Volume: 22.470 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .130 @ 81f = 52,000ppm

