



**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: 65530

**DST#: 3**

ATTN: Lyle Herrman

Test Start: 2016.06.21 @ 03:52:00

## GENERAL INFORMATION:

Formation: **LKC - E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:13:00

Time Test Ended: 10:25:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 3940.00 ft (KB) To 3952.00 ft (KB) (TVD)**

Reference Elevations: 3071.00 ft (KB)

Total Depth: 3952.00 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: 27.00 psig @ 3941.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.06.21

End Date:

2016.06.21

Last Calib.:

2016.06.21

Start Time: 03:52:05

End Time:

10:25:44

Time On Btm:

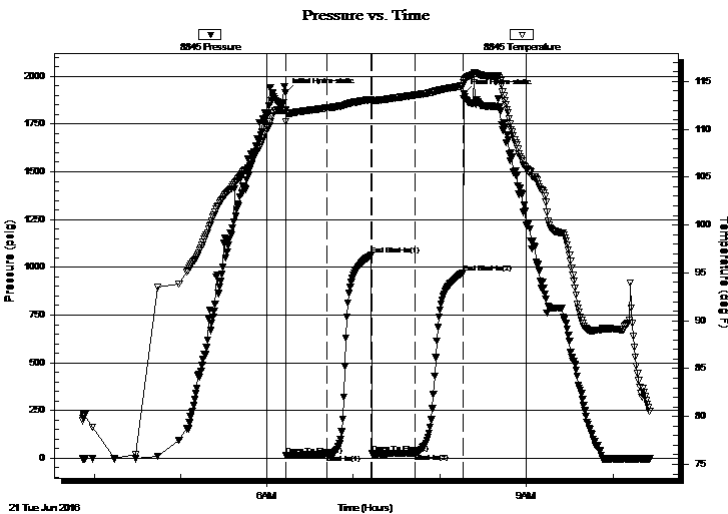
2016.06.21 @ 06:12:45

Time Off Btm:

2016.06.21 @ 08:16:45

**TEST COMMENT:** IF: Surface blow .  
IS: No return.  
FF: Surface blow , died in 10 minutes.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1913.30	112.01	Initial Hydro-static
1	14.53	110.78	Open To Flow (1)
29	20.41	112.23	Shut-In(1)
60	1062.89	113.14	End Shut-In(1)
60	23.69	112.81	Open To Flow (2)
90	27.00	113.58	Shut-In(2)
124	970.54	114.55	End Shut-In(2)
124	1907.04	115.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 15o 85m	0.07
10.00	oil 100o	0.07

\* Recovery from multiple tests

## Gas Rates

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



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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

21 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 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
10.00	ocm 15o 85m	0.073
10.00	oil 100o	0.073

Total Length: 20.00 ft      Total Volume: 0.146 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

