



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Double D's LLC  
133 E 12th  
Hays, Kansas 67601  
ATTN: Al Downing

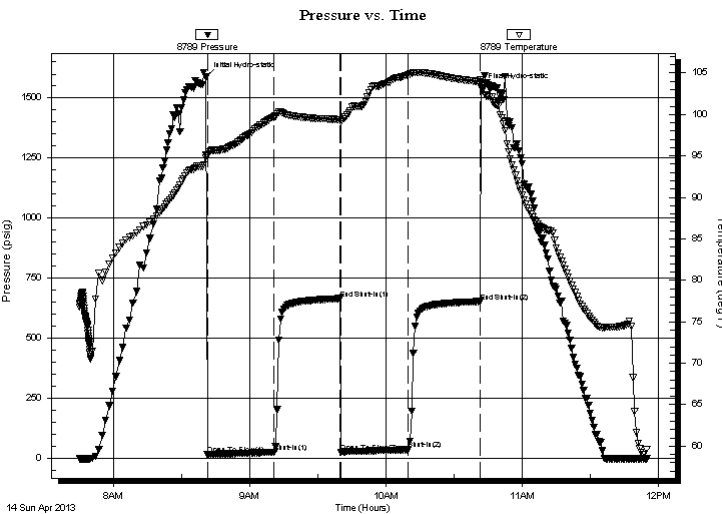
**23-15s-19w**  
**Reichert #2**  
Job Ticket: 52220 **DST#: 2**  
Test Start: 2013.04.14 @ 07:45:02

## GENERAL INFORMATION:

Formation: **LKC-D**  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 08:41:15  
Time Test Ended: 11:54:45  
Interval: **3317.00 ft (KB) To 3340.00 ft (KB) (TVD)**  
Total Depth: 3340.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jason Mclemore  
Unit No: 54  
Reference Elevations: 1987.00 ft (KB)  
1981.00 ft (CF)  
KB to GR/CF: 6.00 ft

**Serial #: 8789 Inside**  
Press @ Run Depth: 35.76 psig @ 3322.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.04.14 End Date: 2013.04.14 Last Calib.: 2013.04.14  
Start Time: 07:45:02 End Time: 11:54:45 Time On Btm: 2013.04.14 @ 08:40:45  
Time Off Btm: 2013.04.14 @ 10:41:45

**TEST COMMENT:** IFP-Weak Blow m Built to 2"  
ISI-Dead  
FFP-Weak Blow , Built to 1"  
FSI-Dead



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1588.47	95.11	Initial Hydro-static
1	14.71	95.04	Open To Flow (1)
30	25.36	99.70	Shut-In(1)
59	664.73	99.40	End Shut-In(1)
60	25.98	99.17	Open To Flow (2)
89	35.76	104.81	Shut-In(2)
121	652.86	103.95	End Shut-In(2)
121	1544.95	104.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	Muddy Water 60% w / 40% m	0.70

## Gas Rates

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

\* Recovery from multiple tests



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Job Ticket: 52220

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## 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:

53000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	Muddy Water 60% w / 40% m	0.701

Total Length: 50.00 ft      Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

