



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

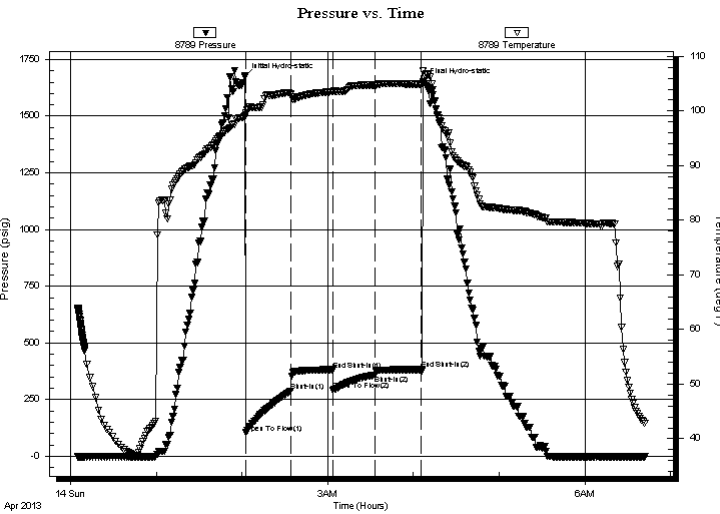
23-15s-19w
Reichert #2
 Job Ticket: 52221 **DST#: 3**
 Test Start: 2013.04.14 @ 00:05:00

GENERAL INFORMATION:

Formation: **LKC "H-I-J"**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 02:03:00
 Time Test Ended: 06:42:00
 Interval: **3404.00 ft (KB) To 3475.00 ft (KB) (TVD)**
 Total Depth: 3475.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 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: 358.37 psig @ 3442.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.14 End Date: 2013.04.14 Last Calib.: 2013.04.15
 Start Time: 00:05:02 End Time: 06:42:00 Time On Btm: 2013.04.14 @ 02:02:00
 Time Off Btm: 2013.04.14 @ 04:06:30

TEST COMMENT: IFF- Strong blow . BOB @ 30 seconds.
 ISI- Strong blow . BOB @ 5 minutes. Gas at surface.
 FFF- Strong blow . BOB @ 30 seconds.
 FSI- Strong blow . BOB @ 5 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.78	99.13	Initial Hydro-static
1	103.37	99.63	Open To Flow (1)
32	286.71	103.01	Shut-In(1)
62	381.55	103.53	End Shut-In(1)
62	291.23	103.48	Open To Flow (2)
92	358.37	104.77	Shut-In(2)
124	382.32	104.92	End Shut-In(2)
125	1647.39	107.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
932.00	Free oil	13.07

Gas Rates

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



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FLUID SUMMARY

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DST#: 3

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Test Start: 2013.04.14 @ 00:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
932.00	Free oil	13.074

Total Length: 932.00 ft Total Volume: 13.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

