



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Double D's LLC  
 133 E 12th  
 Hays KS, 67601  
 ATTN: AI

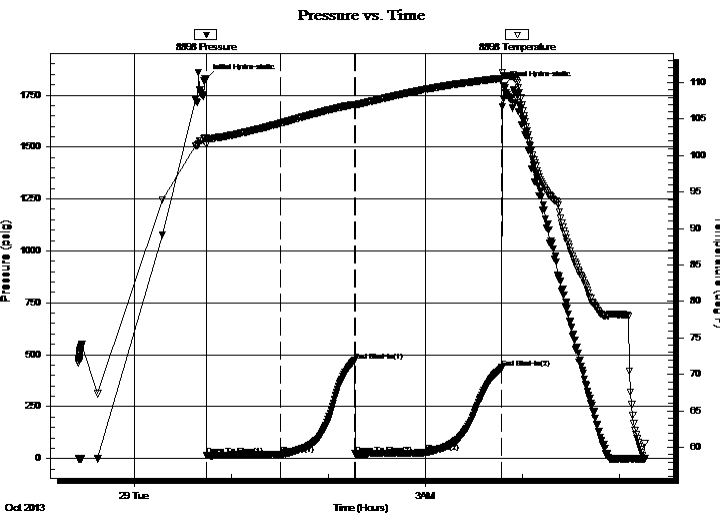
**25-13s-20w-Ellis KS**  
**Cody Younger #2**  
 Job Ticket: 54846 **DST#: 3**  
 Test Start: 2013.10.28 @ 23:25:11

## GENERAL INFORMATION:

Formation: **Lansing J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:44:21  
 Time Test Ended: 05:16:01  
 Interval: **3650.00 ft (KB) To 3570.00 ft (KB) (TVD)**  
 Total Depth: 3670.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Tate Lang  
 Unit No: 49  
 Reference Elevations: 2192.00 ft (KB)  
 2186.00 ft (CF)  
 KB to GR/CF: 6.00 ft

**Serial #: 8898 Outside**  
 Press @ Run Depth: 27.77 psig @ 3652.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.10.28 End Date: 2013.10.29 Last Calib.: 2013.10.29  
 Start Time: 23:25:12 End Time: 05:16:01 Time On Btm: 2013.10.29 @ 00:44:11  
 Time Off Btm: 2013.10.29 @ 03:48:20

**TEST COMMENT:** Fair surace blow built to 5in.  
 Dead no blow back  
 Weak surface blow built to 1 1/2in.  
 Dead no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1828.79	102.47	Initial Hydro-static
1	14.05	101.45	Open To Flow (1)
46	20.36	104.41	Shut-In(1)
92	471.13	107.01	End Shut-In(1)
92	22.55	106.88	Open To Flow (2)
136	27.77	109.06	Shut-In(2)
183	437.99	110.57	End Shut-In(2)
185	1797.37	110.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
35.00	100%M Show of free oil on top	0.49

\* Recovery from multiple tests

## Gas Rates

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



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**FLUID SUMMARY**

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**25-13s-20w-Ellis KS**

133 E 12th  
Hays KS, 67601

**Cody Younger #2**

Job Ticket: 54846

**DST#: 3**

ATTN: AI

Test Start: 2013.10.28 @ 23:25:11

## 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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	100%M Show of free oil on top	0.491

Total Length: 35.00 ft      Total Volume: 0.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

