



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dreiling Oil Inc.

20-13S-17W - Ellis, KS

1008 Cody Ave.
Hays, KS 67601

Dreiling Trust #1

Job Ticket: 55187

DST#: 3

ATTN: Roger Fisher

Test Start: 2013.10.22 @ 10:48:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:38:30

Time Test Ended: 17:16:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 66

Interval: 3579.00 ft (KB) To 3616.00 ft (KB) (TVD)

Reference Elevations: 2035.00 ft (KB)

Total Depth: 3616.00 ft (KB) (TVD)

2029.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 6.00 ft

Serial #: 8874 Inside

Press @ Run Depth: 41.14 psig @ 3580.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.22 End Date: 2013.10.22

Last Calib.: 2013.10.22

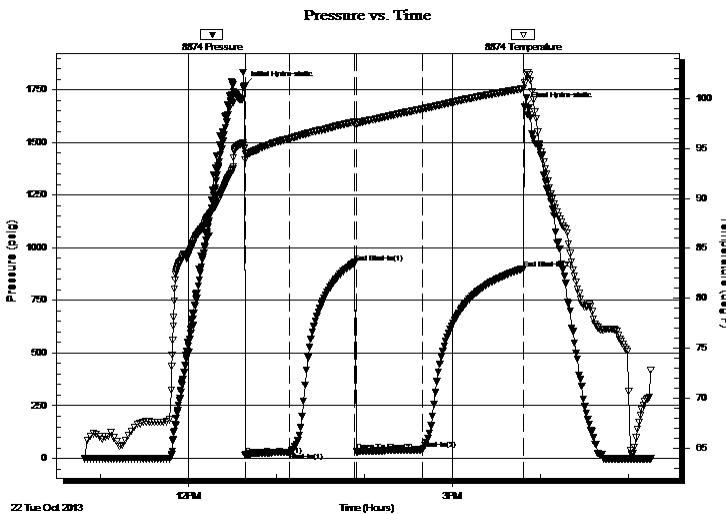
Start Time: 10:49:00 End Time: 17:16:00

Time On Btm: 2013.10.22 @ 12:38:20

Time Off Btm: 2013.10.22 @ 15:49:30

TEST COMMENT: 30 - IF - 1/4" Blow built to 4 3/4"
45 - ISI - Weak surface Return started at 5 min. Built to 1/8"
45 - FF - 1/2" Blow built to 6"
60 - FSI - Weak Surface Return started at 10 min. Deid at 40 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1767.46	94.92	Initial Hydro-static
1	14.51	93.87	Open To Flow (1)
31	29.64	95.99	Shut-In(1)
76	930.10	97.68	End Shut-In(1)
77	34.21	97.40	Open To Flow (2)
122	41.14	98.94	Shut-In(2)
191	900.61	100.98	End Shut-In(2)
192	1668.21	101.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 40o 60M	0.15
45.00	Free Oil 100o	0.63

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:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2756.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	OCM 40o 60M	0.148
45.00	Free Oil 100o	0.631

Total Length: 75.00 ft Total Volume: 0.779 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API = 28 @ 80 deg = 26 cor.

Serial #: 8874

Inside

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