



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co

17-13-32 Logan, KS

202 w main st
Salem, IL 62881

Campbell 3-17

ATTN: Tim Priest

Job Ticket: 54973

DST#: 3

Test Start: 2013.11.19 @ 14:26:32

GENERAL INFORMATION:

Formation: **EF**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:33:32
 Time Test Ended: 20:31:32
 Interval: **4105.00 ft (KB) To 4126.00 ft (KB) (TVD)**
 Total Depth: 4126.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 60
 Reference Elevations: 3036.00 ft (KB)
 3029.00 ft (CF)
 KB to GR/CF: 7.00 ft

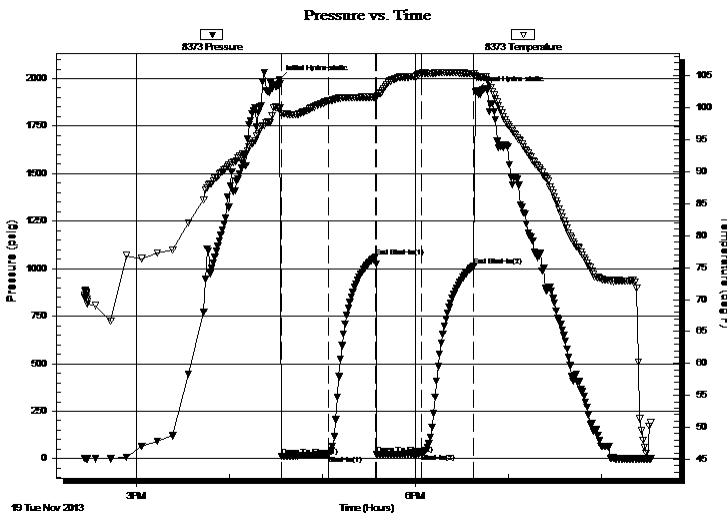
Serial #: 8373

Inside

Press @ Run Depth: 27.75 psig @ 4110.00 ft (KB)
 Start Date: 2013.11.19 End Date: 2013.11.19
 Start Time: 14:26:37 End Time: 20:31:31
 Capacity: 8000.00 psig
 Last Calib.: 2013.11.19
 Time On Btm: 2013.11.19 @ 16:32:02
 Time Off Btm: 2013.11.19 @ 18:39:02

TEST COMMENT: IF: Surface blow died in 8 min.
 IS: No return.
 FF: No blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1995.39	99.90	Initial Hydro-static
2	13.02	99.10	Open To Flow (1)
32	19.80	101.04	Shut-In(1)
62	1061.20	101.70	End Shut-In(1)
63	22.49	101.71	Open To Flow (2)
92	27.75	105.39	Shut-In(2)
126	1014.78	105.36	End Shut-In(2)
127	1935.52	104.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud oil spots 100%m	0.07

Gas Rates

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

* Recovery from multiple tests



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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.00 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	mud oil spots 100%m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8373

Inside

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