



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

Job Ticket: 55576

DST#: 6

ATTN: Tim Priest

Test Start: 2013.11.22 @ 23:31:11

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:28:41

Time Test Ended: 06:22:11

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 4499.00 ft (KB) To 4530.00 ft (KB) (TVD)

Reference Elevations: 3036.00 ft (KB)

Total Depth: 4530.00 ft (KB) (TVD)

3029.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8373 Inside

Press@RunDepth: 23.80 psig @ 4504.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.22

End Date:

2013.11.23

Last Calib.: 2013.11.23

Start Time: 23:31:16

End Time:

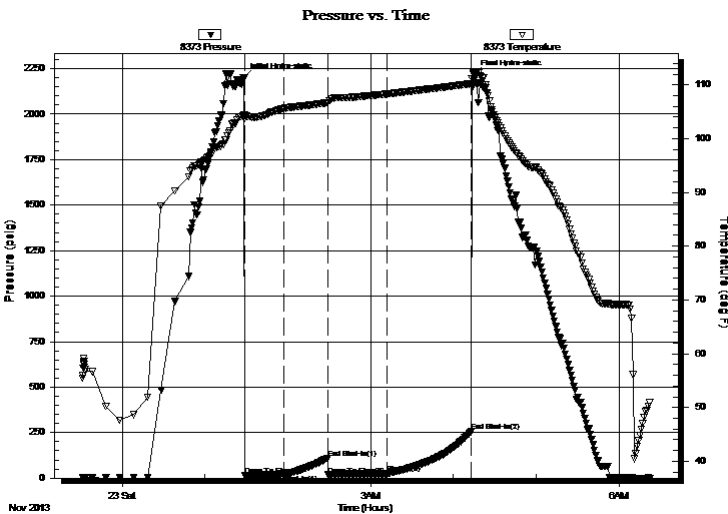
06:22:10

Time On Btm: 2013.11.23 @ 01:27:41

Time Off Btm: 2013.11.23 @ 04:14:41

TEST COMMENT: IF: Surface blow died in 5 min.
IS: No return.
FF: Surface blow built to 2.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.48	104.20	Initial Hydro-static
1	14.09	103.79	Open To Flow (1)
29	18.69	105.59	Shut-In(1)
61	110.38	106.68	End Shut-In(1)
62	17.57	106.65	Open To Flow (2)
104	23.80	108.29	Shut-In(2)
165	255.23	110.19	End Shut-In(2)
167	2216.63	112.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	ocm 30%o 70%m	0.10
0.00	100 GIP	0.00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	ocm 30%o 70%m	0.098
0.00	100 GIP	0.000

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8373

Inside

Shakespeare Oil Co

Campbell 3-17

DST Test Number: 6

