



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan/KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 48497

DST#: 3

ATTN: Tim Priest

Test Start: 2015.01.11 @ 18:53:00

GENERAL INFORMATION:

Formation: **Lansing 'H'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:44:40

Time Test Ended: 02:23:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 3818.00 ft (KB) To 3858.00 ft (KB) (TVD)

Reference Elevations: 2682.00 ft (KB)

Total Depth: 3858.00 ft (KB) (TVD)

2672.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8357 Inside

Press @ Run Depth: 19.69 psig @ 3820.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.11

End Date: 2015.01.12

Last Calib.: 2015.01.12

Start Time: 18:53:02

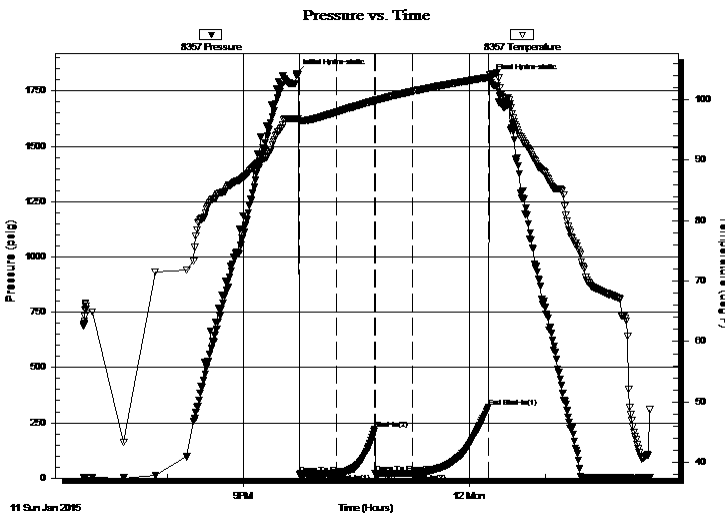
End Time: 02:23:10

Time On Btm: 2015.01.11 @ 21:42:30

Time Off Btm: 2015.01.12 @ 00:15:50

TEST COMMENT: 30- 1/2" Blow .
30- No return.
30- No blow .
30- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1829.32	96.91	Initial Hydro-static
3	18.16	96.30	Open To Flow (1)
32	19.69	97.95	Shut-In(1)
62	220.39	99.85	Shut-In(2)
63	19.91	99.83	Open To Flow (2)
93	20.66	101.36	Shut-In(3)
153	320.35	103.67	End Shut-In(1)
154	1807.53	104.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	VSOCM 1 to 99m	0.02

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	VSOCM 1o 99m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8357

Inside

Shakespeare Oil Co. Inc.

Ottley #2-28

DST Test Number: 3

