



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

15-14-32 Logan, Ks

202 w main st.
Salem, IL 62881

Ottley 9-15

Job Ticket: 59013

DST#: 4

ATTN: Tim Priest

Test Start: 2014.07.28 @ 16:02:02

GENERAL INFORMATION:

Formation: **Lansing H&I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:17:02

Time Test Ended: 00:13:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **3909.00 ft (KB) To 3979.00 ft (KB) (TVD)**

Reference Elevations: 2762.00 ft (KB)

Total Depth: 3979.00 ft (KB) (TVD)

2755.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 140.47 psig @ 3914.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.28

End Date:

2014.07.29

Last Calib.:

2014.07.29

Start Time: 16:02:07

End Time:

00:13:01

Time On Btm:

2014.07.28 @ 18:15:02

Time Off Btm:

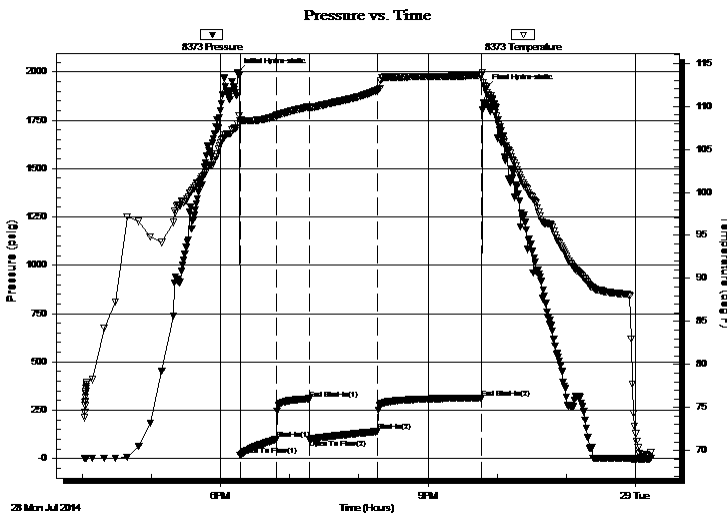
2014.07.28 @ 21:50:02

TEST COMMENT: IF: 1/4 blow built to 5 in 30 min.

IS: No return.

FF: Surface blow built to 6,

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1997.42	107.98	Initial Hydro-static
2	18.69	108.29	Open To Flow (1)
33	98.80	108.84	Shut-In(1)
62	309.90	109.94	End Shut-In(1)
63	102.08	109.83	Open To Flow (2)
121	140.47	111.88	Shut-In(2)
211	314.43	113.60	End Shut-In(2)
215	1912.76	112.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcw 60%w 40%m	0.30
124.00	w cm 10%w 90%m	0.67
92.00	mud 100%m	1.29
1.00	free oil 100%0	0.01

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:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mcw 60%w 40%m	0.305
124.00	w cm 10%w 90%m	0.674
92.00	mud 100%m	1.291
1.00	free oil 100%0	0.014

Total Length: 279.00 ft Total Volume: 2.284 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .21@74= 32000

Pressure vs. Time

