



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

16-14s-32w Logan Co. KS

202 W. Main St.
Salem IL 62881

Ottely # 3-16

Job Ticket: 48830

DST#: 4

ATTN: Tim Priest

Test Start: 2012.08.23 @ 13:44:00

GENERAL INFORMATION:

Formation: **LKC " H "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:21:55

Time Test Ended: 19:50:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Interval: 3933.00 ft (KB) To 3960.00 ft (KB) (TVD)

Reference Elevations: 2773.00 ft (KB)

Total Depth: 3960.00 ft (KB) (TVD)

2763.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8360

Inside

Press @ Run Depth: 59.31 psig @ 3934.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.23

End Date:

2012.08.23

Last Calib.:

2012.08.23

Start Time:

13:44:00

End Time:

19:50:24

Time On Btm:

2012.08.23 @ 15:21:40

Time Off Btm:

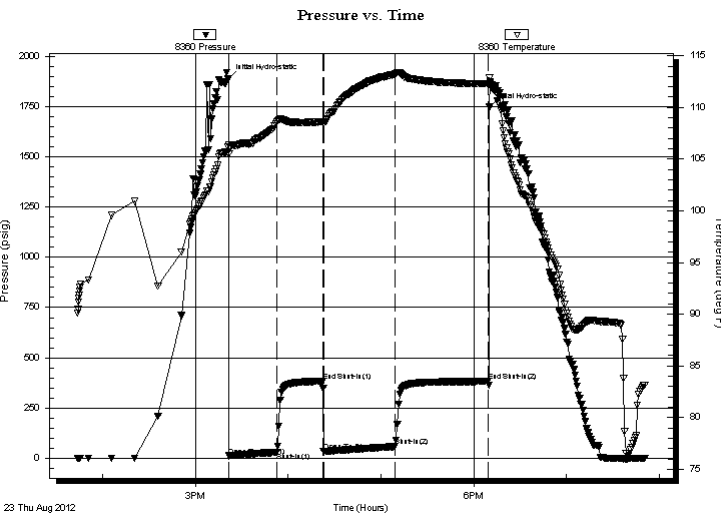
2012.08.23 @ 18:10:09

TEST COMMENT: IF- Weak Surface Blow Built to 1/2"

IS- No Blow

FF- Weak Surface Blow Built to 1"

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1889.96	106.41	Initial Hydro-static
1	12.91	105.50	Open To Flow (1)
31	31.31	108.60	Shut-In(1)
61	383.74	108.63	End Shut-In(1)
62	34.21	108.47	Open To Flow (2)
108	59.31	113.25	Shut-In(2)
168	382.89	112.32	End Shut-In(2)
169	1746.26	112.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCW 26%w 74%m	0.30
20.00	WCM 45%w 55%m with Skim of Oil	0.10

* Recovery from multiple tests

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:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

33000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.70 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	MCW 26%w 74%w	0.295
20.00	WCM 45%w 55%w with Skim of Oil	0.098

Total Length: 80.00 ft Total Volume: 0.393 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .174 @ 82f = 33000

