



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

16-14s-32w Logan Co. KS

202 W. Main St.
Salem IL 62881

Ottley # 3-16

Job Ticket: 48831

DST#: 5

ATTN: Tim Priest

Test Start: 2012.08.24 @ 23:26:00

GENERAL INFORMATION:

Formation: **LKC " I "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:43:40

Time Test Ended: 07:03:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Interval: 3959.00 ft (KB) To 3990.00 ft (KB) (TVD)

Reference Elevations: 2773.00 ft (KB)

Total Depth: 3990.00 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: 523.12 psig @ 3964.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.24

End Date:

2012.08.25

Last Calib.:

2012.08.25

Start Time: 23:26:00

End Time:

07:03:54

Time On Btm:

2012.08.25 @ 01:43:25

Time Off Btm:

2012.08.25 @ 04:18:54

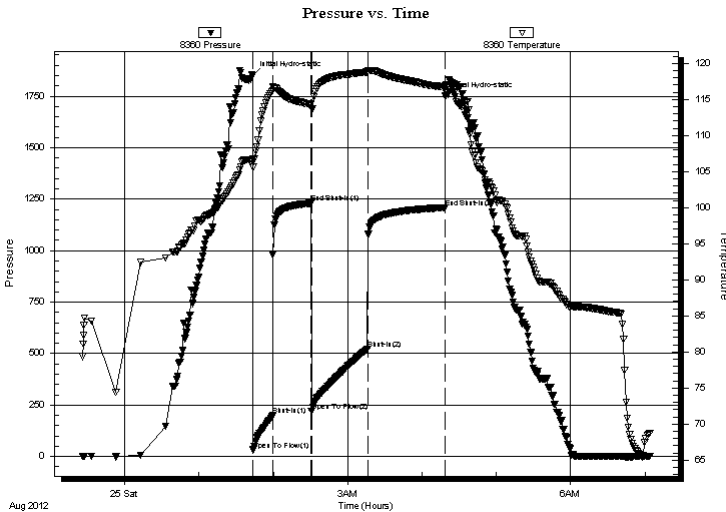
TEST COMMENT: IF- Surface Blow Built to BOB in 4 1/2min

IS- No Blow

FF- Surface Blow Built to BOB in 7min

FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1849.00	106.70	Initial Hydro-static
1	32.09	105.59	Open To Flow (1)
16	198.91	116.24	Shut-In(1)
47	1230.30	114.31	End Shut-In(1)
48	219.15	113.76	Open To Flow (2)
93	523.12	118.80	Shut-In(2)
156	1209.15	116.66	End Shut-In(2)
156	1750.19	116.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
840.00	MCW 4% <i>m</i> 96% <i>w</i>	10.40
240.00	MCW 33% <i>m</i> 67% <i>w</i>	3.37
20.00	WCM 41% <i>w</i> 59% <i>m</i> with a Few Oil Sp	0.28

* Recovery from multiple tests

Gas Rates

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



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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:

36000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.92 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
840.00	MCW 4%m 96%w	10.398
240.00	MCW 33%m 67%w	3.367
20.00	WCM 41%w 59%m with a Few Oil Spots	0.281

Total Length: 1100.00 ft Total Volume: 14.046 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .203 @ 66f = 36000

