



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: 48834

DST#: 7

ATTN: Tim Priest

Test Start: 2012.08.26 @ 03:44:00

GENERAL INFORMATION:

Formation: **LKC " K "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:51:10

Time Test Ended: 10:31:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Interval: 4016.00 ft (KB) To 4042.00 ft (KB) (TVD)

Reference Elevations: 2773.00 ft (KB)

Total Depth: 4042.00 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: 202.93 psig @ 4020.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.26

End Date:

2012.08.26

Last Calib.:

2012.08.26

Start Time: 03:44:00

End Time:

10:31:54

Time On Btm:

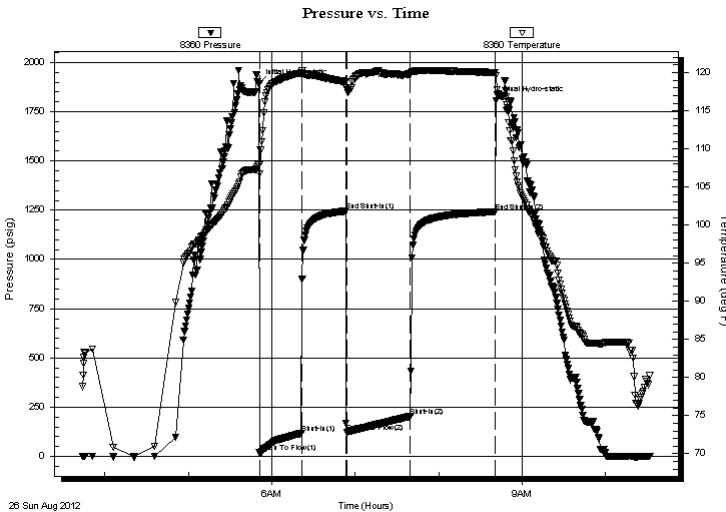
2012.08.26 @ 05:50:55

Time Off Btm:

2012.08.26 @ 08:41:24

TEST COMMENT: IF- Surface Blow Built to BOB in 18min
IS- No Blow
FF- Weak Surface Blow Built to BOB in 27min
FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1892.47	107.89	Initial Hydro-static
1	19.42	106.71	Open To Flow (1)
31	118.58	119.94	Shut-In(1)
63	1245.71	118.81	End Shut-In(1)
63	121.57	118.06	Open To Flow (2)
109	202.93	119.82	Shut-In(2)
170	1242.45	120.00	End Shut-In(2)
171	1807.38	119.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	MCW 8% m 92% w	1.98
120.00	MCW 5% m 95% w with Skim of Oil on T	1.68
29.00	OCMW 2% oil 15% m 83% w	0.41
1.00	Oil	0.01

* 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:

39000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 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 bbbl
240.00	MCW 8%m 92%w	1.982
120.00	MCW 5%m 95%w with Skim of Oil on Top	1.683
29.00	OCMW 2%oil 15%m 83%w	0.407
1.00	Oil	0.014

Total Length: 390.00 ft Total Volume: 4.086 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .149 @ 84f = 39000

Serial #: 8360

Inside

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Oltey # 3-16

DST Test Number: 7

