



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: 48835

DST#: 8

ATTN: Tim Priest

Test Start: 2012.08.26 @ 19:48:00

GENERAL INFORMATION:

Formation: **LKC " L "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:12:25

Time Test Ended: 02:42:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Interval: 4047.00 ft (KB) To 4075.00 ft (KB) (TVD)

Reference Elevations: 2773.00 ft (KB)

Total Depth: 4075.00 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: 1139.94 psig @ 4048.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.26

End Date:

2012.08.27

Last Calib.:

2012.08.27

Start Time: 19:48:00

End Time:

02:42:39

Time On Btm:

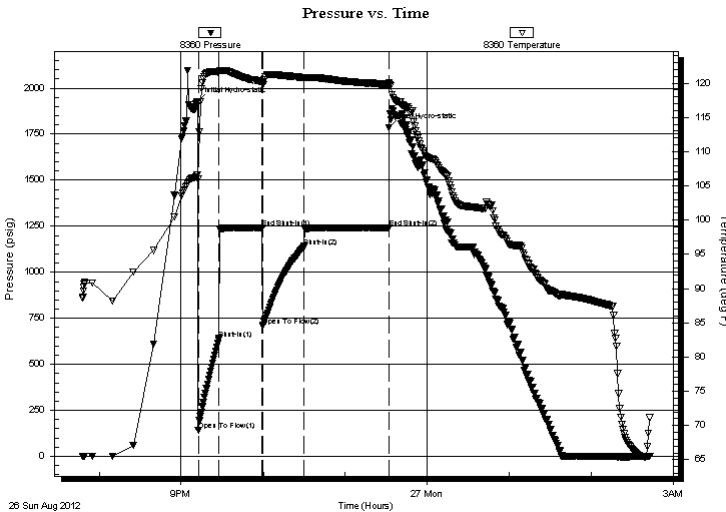
2012.08.26 @ 21:12:10

Time Off Btm:

2012.08.26 @ 23:31:55

TEST COMMENT: IF- Strong Surface Blow Built to BOB in 1min
IS- No Blow
FF- Strong Surface Blow Built to BOB in 1min
FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1926.74	106.65	Initial Hydro-static
1	140.89	106.09	Open To Flow (1)
16	639.16	121.63	Shut-In(1)
47	1243.01	120.21	End Shut-In(1)
48	707.20	119.89	Open To Flow (2)
78	1139.94	120.82	Shut-In(2)
140	1242.62	119.87	End Shut-In(2)
140	1784.86	120.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2100.00	MCW 6%w 94%w	28.07
120.00	MCW 31%w 69%w	1.68
185.00	WCM 28%w 72%w	2.60
0.00	Skim of Oil on Top of tool	0.00

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:

44000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
2100.00	MCW 6%m 94%w	28.073
120.00	MCW 31%m 69%w	1.683
185.00	WCM 28%w 72%m	2.595
0.00	Skim of Oil on Top of tool	0.000

Total Length: 2405.00 ft Total Volume: 32.351 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .173 @ 66f = 44000

Serial #: 8360

Inside

Shakespeare Oil Co. Inc

Oltey # 3-16

DST Test Number: 8

Pressure vs. Time

