



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil

Ottley #5-15

202 W. Main
Salem, IL 62881

S15-14-32 Logan, KS

ATTN: Steve Davis

Job Ticket: 35331

DST#: 3

Test Start: 2009.10.07 @ 00:17:00

GENERAL INFORMATION:

Formation: **LKC 'I'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:31:24

Time Test Ended: 08:15:36

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 3942.00 ft (KB) To 3973.00 ft (KB) (TVD)

Reference Elevations: 2752.00 ft (KB)

Total Depth: 3973.00 ft (KB) (TVD)

2742.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8359

Inside

Press @ Run Depth: 199.98 psig @ 3948.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2009.10.07

End Date:

2009.10.07

Last Calib.:

2009.10.07

Start Time: 00:17:05

End Time:

08:15:36

Time On Btm:

2009.10.07 @ 02:29:48

Time Off Btm:

2009.10.07 @ 05:48:47

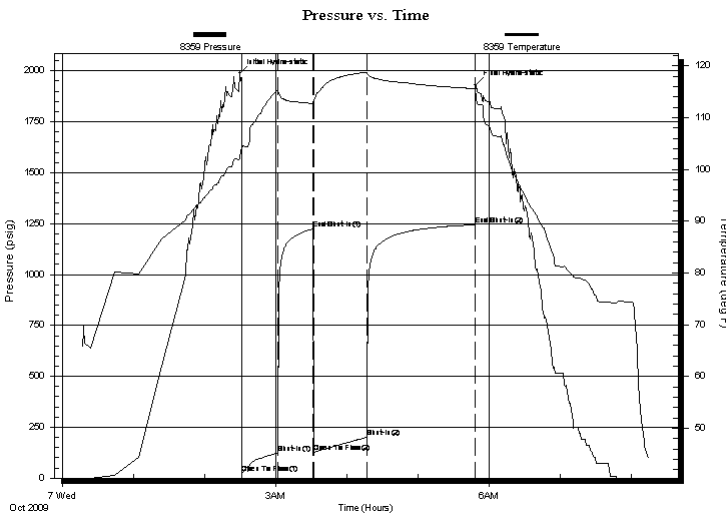
TEST COMMENT: IF: B.O.B. @ 22 min.

IS: 1/2" Return.

FF: B.O.B. @ 30 min.

FS: 3 1/2" Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1986.93	102.37	Initial Hydro-static
2	24.84	103.84	Open To Flow (1)
32	123.46	115.25	Shut-In(1)
62	1223.58	112.75	End Shut-In(1)
62	127.24	113.18	Open To Flow (2)
107	199.98	118.76	Shut-In(2)
198	1243.91	115.62	End Shut-In(2)
199	1930.88	113.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
307.00	MW 10%M 90%W	3.18
61.00	OSMW 50%M 50%W	0.86
45.00	GMMCO 5%G 10%M 35%W 50%O	0.63
0.00	RW: .190 @ 50 Degrees F = 50000 chlbr	0.00
0.00	205 Feet GIP weak	0.00

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:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

50000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
307.00	MW 10%M 90%W	3.177
61.00	OSMW 50%M 50%W	0.856
45.00	GMWCO 5%G 10%M 35%W 50%O	0.631
0.00	RW: .190 @ 50 Degrees F = 50000 chlorid	0.000
0.00	205 Feet GIP weak	0.000

Total Length: 413.00 ft Total Volume: 4.664 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 35 @ 50 Degrees F = 36.

