



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil

**Ottley #2-16**

202 W Main  
Salem, IL 62881

**16-14-32 Logan KS**

ATTN: Brad Rien

Job Ticket: 042177

**DST#: 4**

Test Start: 2011.03.20 @ 07:28:00

## GENERAL INFORMATION:

Formation: **LKC "L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:56:30

Time Test Ended: 16:59:15

Test Type: Conventional Bottom Hole

Tester: Kevin Mack

Unit No: 55

**Interval: 4074.00 ft (KB) To 4100.00 ft (KB) (TVD)**

Reference Elevations: 2803.00 ft (KB)

Total Depth: 4100.00 ft (KB) (TVD)

2795.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6771 Outside**

Press @ Run Depth: 889.83 psig @ 4075.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.20

End Date: 2011.03.20

Last Calib.: 2011.03.20

Start Time: 07:28:15

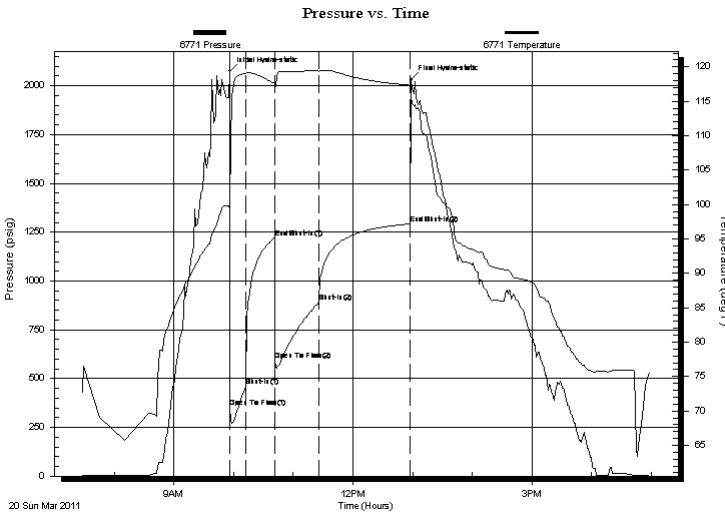
End Time: 16:59:15

Time On Btm: 2011.03.20 @ 09:56:15

Time Off Btm: 2011.03.20 @ 12:58:45

**TEST COMMENT:** IF: BoB in 1 1/2 Mintes  
IS: Return Built to 9 1/4"  
FF: BoB in 1 1/2 minutes  
FS: Return built to 7"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2074.01	100.11	Initial Hydro-static
1	355.39	100.06	Open To Flow (1)
16	459.36	119.04	Shut-In(1)
46	1218.91	117.55	End Shut-In(1)
46	594.17	117.20	Open To Flow (2)
90	889.83	119.38	Shut-In(2)
182	1292.33	117.32	End Shut-In(2)
183	2029.27	115.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 50o 50M	0.05
174.00	GMCO 70o 10M 20G	1.43
992.00	GMCO 73o 2M 25G	13.92
1242.00	Free oil 95o 5M	17.42
0.00	500' GIP	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: 28 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3500.00 ppm		
Filter Cake: 1.00 inches		

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 50o 50M	0.049
174.00	GMCO 70o 10M 20G	1.430
992.00	GMCO 73o 2M 25G	13.915
1242.00	Free oil 95o 5M	17.422
0.00	500' GIP	0.000

Total Length: 2418.00 ft      Total Volume: 32.816 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Oil API 30 @ 80 degrees = 28

### Pressure vs. Time

