



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

8-13s-32w Logan Co. KS

202 W. Main St.
Salem IL 62881

Peterson # 2-8

Job Ticket: 48843

DST#: 1

ATTN: Steve Davis

Test Start: 2012.09.17 @ 09:54:00

GENERAL INFORMATION:

Formation: **LKC " B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:55:10

Time Test Ended: 16:44:54

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 40

Interval: 3984.00 ft (KB) To 4012.00 ft (KB) (TVD)

Reference Elevations: 2981.00 ft (KB)

Total Depth: 4012.00 ft (KB) (TVD)

2971.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8360

Inside

Press @ Run Depth: 532.08 psig @ 3985.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.17

End Date: 2012.09.17

Last Calib.: 2012.09.17

Start Time: 09:54:00

End Time: 16:44:54

Time On Btm: 2012.09.17 @ 11:54:55

Time Off Btm: 2012.09.17 @ 14:44:24

TEST COMMENT: IF- Surface Blow 2 1/2" Built to 4" Chased the Tool 10' to Bottom
 IS- No Blow
 FF- Weak Surface Blow
 FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1926.24	110.58	Initial Hydro-static
1	490.16	109.90	Open To Flow (1)
31	526.43	110.98	Shut-In(1)
78	1150.00	111.58	End Shut-In(1)
79	530.56	111.48	Open To Flow (2)
108	532.08	113.38	Shut-In(2)
169	1146.35	113.82	End Shut-In(2)
170	1870.54	114.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1074.00	100%m	15.07

Gas Rates

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



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Test Start: 2012.09.17 @ 09:54:00

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1074.00	100%m	15.065

Total Length: 1074.00 ft Total Volume: 15.065 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8360

Inside

Shakespeare Oil Co. Inc

Peterson # 2-8

DST Test Number: 1

