



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

23-13-31 Logan Co. KS

202 W Main St.
Salem IL 62881

Foster 1-17

ATTN: Tim Priest

Job Ticket: 48986

DST#: 2

Test Start: 2012.08.07 @ 02:50:15

GENERAL INFORMATION:

Formation: **C & D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:58:30

Time Test Ended: 10:10:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 48

Interval: 3822.00 ft (KB) To 3862.00 ft (KB) (TVD)

Reference Elevations: 2783.00 ft (KB)

Total Depth: 3862.00 ft (KB) (TVD)

2773.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8736 Outside

Press @ Run Depth: 199.98 psig @ 3823.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.07 End Date: 2012.08.07

Last Calib.: 2012.08.07

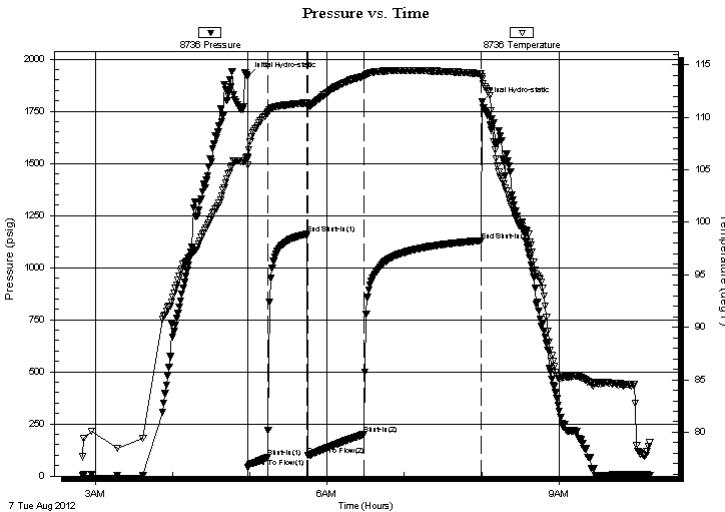
Start Time: 02:50:15 End Time: 10:10:15

Time On Btm: 2012.08.07 @ 04:58:00

Time Off Btm: 2012.08.07 @ 08:00:30

TEST COMMENT: IF:BOB in 7 min.
IS:Return blow built to 1/4' blow
FF:BOB in 7 min.
FS:Return blow built to 1 1/2" blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1916.47	106.21	Initial Hydro-static
1	40.47	106.07	Open To Flow (1)
16	90.25	110.38	Shut-In(1)
46	1161.01	111.36	End Shut-In(1)
48	99.36	111.05	Open To Flow (2)
91	199.98	113.88	Shut-In(2)
182	1129.51	114.14	End Shut-In(2)
183	1796.07	113.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gcmo 10%g 30%m 60%o	0.30
30.00	mcgo 10%m 20%g 70%o	0.15
92.00	mcgo 10%m 20%g 70%o	1.29
310.00	gco 20%g 80%o	4.35
0.00	GIP=124	0.00

Gas Rates

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

* Recovery from multiple tests



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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 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: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	gcmo 10%g 30%m 60%o	0.295
30.00	mcgo 10%m 20%g 70%o	0.148
92.00	mcgo 10%m 20%g 70%o	1.291
310.00	gco 20%g 80%o	4.348
0.00	GIP=124	0.000

Total Length: 492.00 ft

Total Volume: 6.082 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

