



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. inc.

14-14-32 Logan

202 W. Main
Salem IL. 62881

Ottley 5-14

ATTN: Tim Priest

Job Ticket: 44577

DST#: 3

Test Start: 2011.11.26 @ 07:39:05

GENERAL INFORMATION:

Formation: **Marm/Pawnee/Myric St**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:05:10

Time Test Ended: 16:02:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

Interval: 4248.00 ft (KB) To 4336.00 ft (KB) (TVD)

Reference Elevations: 2825.00 ft (KB)

Total Depth: 4336.00 ft (KB) (TVD)

2816.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 252.50 psig @ 4253.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.26

End Date: 2011.11.26

Last Calib.: 2011.11.26

Start Time: 07:39:05

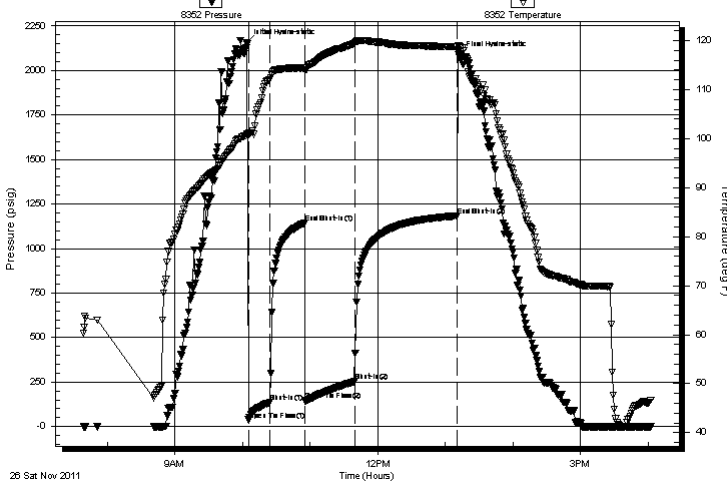
End Time: 16:02:20

Time On Btm: 2011.11.26 @ 10:03:40

Time Off Btm: 2011.11.26 @ 13:11:50

TEST COMMENT: IF:(20min) BOB, 9 min.
IS:(30min) Half inch return blow
FF:(45min) BOB, 10 min.
FS:(90min) Return Blow , Intermittent Surface blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.18	100.77	Initial Hydro-static
2	37.12	100.79	Open To Flow (1)
21	137.20	112.12	Shut-In(1)
52	1143.34	114.37	End Shut-In(1)
52	144.49	114.03	Open To Flow (2)
96	252.50	119.46	Shut-In(2)
187	1183.48	118.71	End Shut-In(2)
189	2086.05	118.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	GMW g=5% m=25% w =70%	1.12
60.00	GOCWM g=10% o=10% w =20% m=60%	0.80
60.00	GOCWM g=20% o=10% w =10% m=60%	0.80
120.00	GHOCWM g=20% w =5% o=30% m=45%	1.60
120.00	GHOCWM g=30% o=45% w =5% m=20%	1.60
0.00	GIP=550ft	0.00

* Recovery from multiple tests

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:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

8000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	GMW g=5% m=25% w=70%	1.117
60.00	GOCWM g=10% o=10% w=20% m=60%	0.798
60.00	GOCWM g=20% o=10% w=10% m=60%	0.798
120.00	GHOCWM g=20% w=5% o=30% m=45%	1.596
120.00	GHOCWM g=30% o=45% w=5% m=20%	1.596
0.00	GIP=550ft	0.000

Total Length: 540.00 ft Total Volume: 5.905 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Resistivity= 1 @ 49deg= 8000

