



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

35-16s-34w-Scott Co. KS

202 W. Main St.
Salem, IL 62881

COG #1-35

Job Ticket: 55725

DST#: 1

ATTN: Mark W. Herndon

Test Start: 2014.03.10 @ 23:04:00

GENERAL INFORMATION:

Formation: **Marmaton 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:38:30

Time Test Ended: 09:29:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Cornelio Landa III

Unit No: 71

Interval: 4423.00 ft (KB) To 4493.00 ft (KB) (TVD)

Reference Elevations: 3122.00 ft (KB)

Total Depth: 4493.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8845 Outside

Press@RunDepth: 138.34 psig @ 4425.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.10

End Date:

2014.03.11

Last Calib.:

2014.03.11

Start Time:

23:04:05

End Time:

09:29:45

Time On Btm:

2014.03.11 @ 03:38:15

Time Off Btm:

2014.03.11 @ 06:45:00

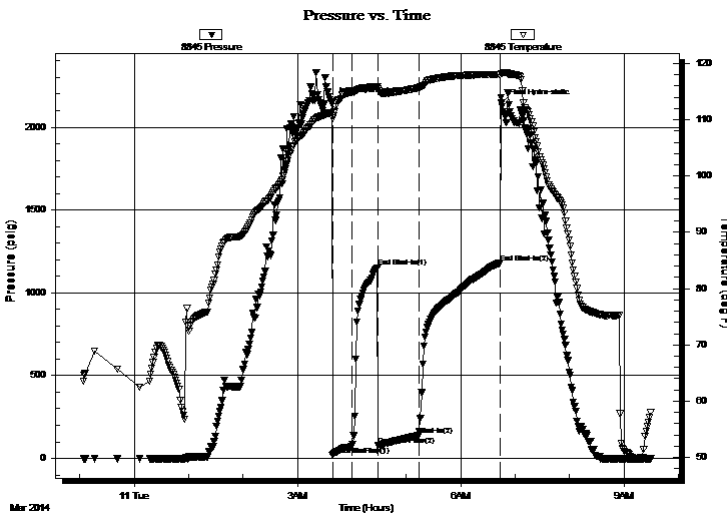
TEST COMMENT: IF: B.o.b. in 13 1/2 min.

IS: Bled off in 2 min.-No return

FF: B.o.b. in 10 min.

FS: Bled off in 2 mi.-No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.27	111.31	Initial Hydro-static
1	20.68	110.30	Open To Flow (1)
22	71.14	114.92	Shut-In(1)
50	1153.65	115.86	End Shut-In(1)
51	77.38	115.45	Open To Flow (2)
96	138.34	115.70	Shut-In(2)
185	1180.10	117.96	End Shut-In(2)
187	2145.07	118.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
73.00	Cgo 20g 80o	1.02
63.00	Cgo 40g 60o	0.88
73.00	Cgo 50g 50o	1.02
53.00	G & Mco 20g 30m 50o	0.74
0.00	Gravity=34	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc.

35-16s-34w-Scott Co. KS

202 W. Main St.
Salem, IL 62881

COG #1-35

Job Ticket: 55725

DST#: 1

ATTN: Mark W. Herndon

Test Start: 2014.03.10 @ 23:04:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
73.00	Cgo 20g 80o	1.024
63.00	Cgo 40g 60o	0.884
73.00	Cgo 50g 50o	1.024
53.00	G & Mco 20g 30m 50o	0.743
0.00	Gravity=34	0.000

Total Length: 262.00 ft

Total Volume: 3.675 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8845

Outside Shakespeare Oil Co. Inc.

COG #1-35

DST Test Number: 1

