



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

S2-16s-31w Scott, KS

202 W Main St.
Salem, IL 62881

York #1-2

Job Ticket: 52800

DST#: 8

ATTN: Tim Priest

Test Start: 2013.08.23 @ 03:02:00

GENERAL INFORMATION:

Formation: **LKC 'L'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:04:50

Time Test Ended: 11:32:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 4223.00 ft (KB) To 4254.00 ft (KB) (TVD)

Total Depth: 4254.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2876.00 ft (KB)

2866.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8018

Inside

Press @ Run Depth: 243.30 psig @ 4230.00 ft (KB)

Start Date: 2013.08.23

End Date: 2013.08.23

Start Time: 03:02:02

End Time: 11:32:00

Capacity: 8000.00 psig

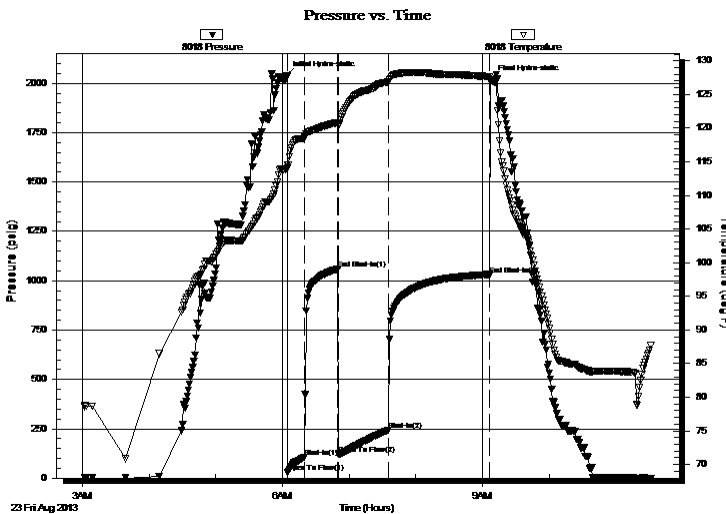
Last Calib.: 2013.08.23

Time On Btm: 2013.08.23 @ 06:03:10

Time Off Btm: 2013.08.23 @ 09:07:30

TEST COMMENT: B.O.B. @ 7 min.
5" Return.
B.O.B. @ 9 min.
2 1/2" Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.91	113.76	Initial Hydro-static
2	30.02	114.06	Open To Flow (1)
17	106.25	118.48	Shut-In(1)
47	1059.87	120.83	End Shut-In(1)
48	118.99	120.43	Open To Flow (2)
93	243.30	126.87	Shut-In(2)
183	1031.46	127.60	End Shut-In(2)
185	2021.47	126.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMCO 10g 40m 50o	0.30
618.00	GO 20g 80o	7.58
0.00	475' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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DST#: 8

ATTN: Tim Priest

Test Start: 2013.08.23 @ 03:02:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	GMCO 10g 40m 50o	0.305
618.00	GO 20g 80o	7.576
0.00	475' GIP	0.000

Total Length: 680.00 ft Total Volume: 7.881 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 37 @ 90 Degrees F = 34.

