



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

S9-16-34 Scott, KS

202 W. Main St.
Salem, IL 62881

Tucker #1-9

Job Ticket: 53304

DST#: 7

ATTN: Tim Priest

Test Start: 2013.06.11 @ 00:26:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:11:50

Time Test Ended: 09:47:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landall (R)

Unit No: 62

Interval: 4645.00 ft (KB) To 4720.00 ft (KB) (TVD)

Reference Elevations: 3140.00 ft (KB)

Total Depth: 4720.00 ft (KB) (TVD)

3130.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 6751 Outside

Press @ RunDepth: 343.59 psig @ 4655.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.11

End Date:

2013.06.11

Last Calib.:

2013.06.11

Start Time: 00:26:05

End Time:

09:47:50

Time On Btm:

2013.06.11 @ 03:11:30

Time Off Btm:

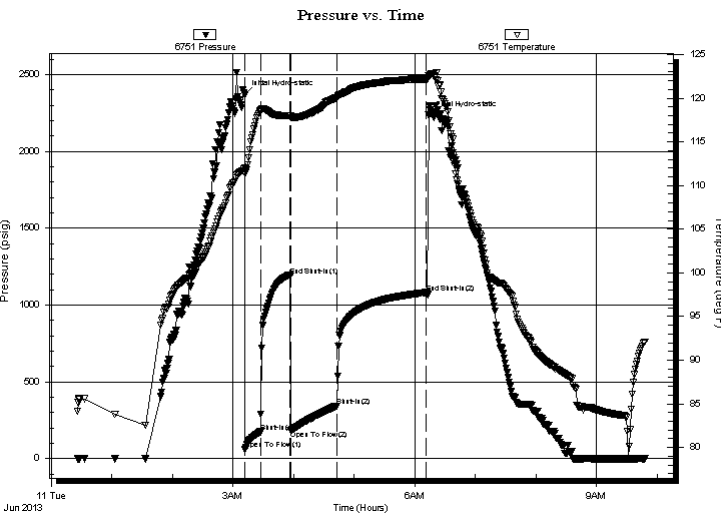
2013.06.11 @ 06:13:30

TEST COMMENT: IF: Bob in 5 1/2 mins

IS: No return

FF: Bob in 6 mins

FSI: No return for first 10 min into shut in them surface blow for remainder of shut in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2366.08	112.05	Initial Hydro-static
1	61.12	111.40	Open To Flow (1)
16	173.87	118.51	Shut-In(1)
45	1188.89	118.02	End Shut-In(1)
46	183.31	117.74	Open To Flow (2)
92	343.59	120.09	Shut-In(2)
180	1081.06	122.20	End Shut-In(2)
182	2234.48	122.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	5o 10m 10 g 75w	1.43
120.00	10o 20w 30m 40g	1.68
120.00	10w 20o 30g 40m	1.68
120.00	10w 20m 30o 40g	1.68
245.00	10 m 30g 60o	3.44
235.00	Gip	3.30

* Recovery from multiple tests

Gas Rates

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



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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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	5o 10m 10 g 75w	1.432
120.00	10o 20w 30m 40g	1.683
120.00	10w 20o 30g 40m	1.683
120.00	10w 20m 30o 40g	1.683
245.00	10 m 30g 60o	3.437
235.00	Gip	3.296

Total Length: 1020.00 ft

Total Volume: 13.214 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

