



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

14-16s-34w-Scott CO, KS

202 W. Main St.
Salem, IL 62881

Radnor #2-14

Job Ticket: 56538

DST#: 4

ATTN: Wes Hansen

Test Start: 2014.05.23 @ 03:36:00

GENERAL INFORMATION:

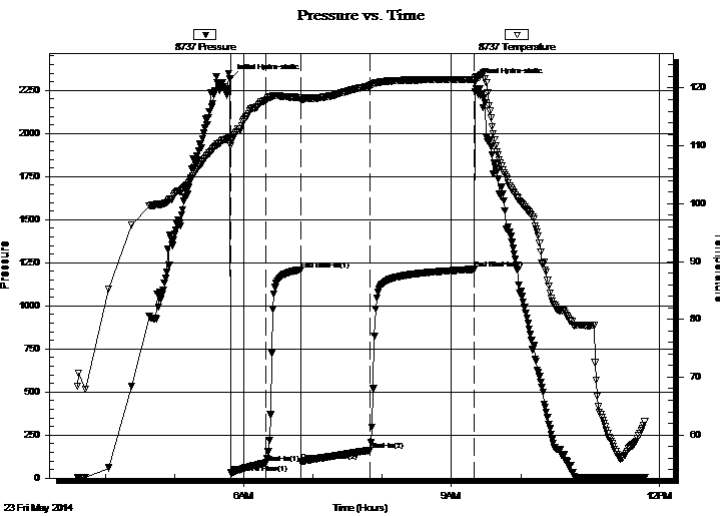
Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 05:48:45
 Tester: Cornelio Landa III
 Time Test Ended: 11:47:30
 Unit No: 65
 Interval: **4638.00 ft (KB) To 4720.00 ft (KB) (TVD)**
 Reference Elevations: 3129.00 ft (KB)
 Total Depth: 4720.00 ft (KB) (TVD)
 3117.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 12.00 ft

Serial #: 8737

Outside

Press@RunDepth: 161.71 psig @ 4641.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.23 End Date: 2014.05.23 Last Calib.: 2014.05.23
 Start Time: 03:36:15 End Time: 11:47:30 Time On Btm: 2014.05.23 @ 05:48:30
 Time Off Btm: 2014.05.23 @ 09:20:30

TEST COMMENT: IF: B.o.b. in 15 1/2 min.
 IS: Bled off in 2 min.-No return
 FF: B.o.b. in 20 min.
 FS: Bled off in 2 min.-Surface Blow back-Built to 6in. of Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2318.95	111.47	Initial Hydro-static
1	30.05	110.02	Open To Flow (1)
31	88.50	117.86	Shut-In(1)
61	1209.81	118.36	End Shut-In(1)
62	96.45	118.00	Open To Flow (2)
121	161.71	120.45	Shut-In(2)
211	1211.80	121.41	End Shut-In(2)
212	2293.78	121.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP=562	0.00
5.00	G & Ocm 30g 30o 40m	0.07
126.00	G & Mco 25g 35m 40o	1.77
126.00	G & Ocm 10g 15o 75m	1.77

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.16 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	GIP=562	0.000
5.00	G & Ocm 30g 30o 40m	0.070
126.00	G & Mco 25g 35m 40o	1.767
126.00	G & Ocm 10g 15o 75m	1.767

Total Length: 257.00 ft Total Volume: 3.604 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 25.5 @ 86 deg

