



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

S28-14s-32w Logan, KS

202 W Main
Salem, IL 62881

Ottley #2-28

Job Ticket: 61552

DST#: 8

ATTN: Tim Priest

Test Start: 2015.01.16 @ 04:02:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:04:20

Time Test Ended: 13:27:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4034.00 ft (KB) To 4114.00 ft (KB) (TVD)

Reference Elevations: 2682.00 ft (KB)

Total Depth: 4114.00 ft (KB) (TVD)

2672.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press@RunDepth: 127.60 psig @ 4038.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.16

End Date:

2015.01.16

Last Calib.:

2015.01.16

Start Time:

04:02:02

End Time:

13:27:30

Time On Btm:

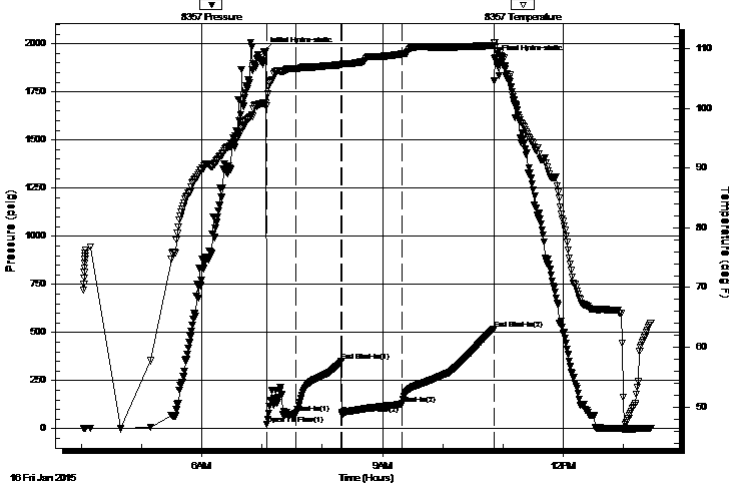
2015.01.16 @ 07:01:50

Time Off Btm:

2015.01.16 @ 10:52:00

TEST COMMENT: 30- B.O.B. @ 15 min.
45- Surface return throughout.
60- B.O.B. @ 4 min.
90- 5" Return building.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1959.77	100.80	Initial Hydro-static
3	21.87	100.41	Open To Flow (1)
32	79.55	106.58	Shut-In(1)
78	350.80	107.26	End Shut-In(1)
78	76.53	107.31	Open To Flow (2)
138	127.60	109.04	Shut-In(2)
230	519.34	110.49	End Shut-In(2)
231	1920.67	111.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 30g 30o 40m	0.59
62.00	GOCM 40g 20o 40m	0.87
82.00	GOCM 10g 10o 80m	1.15
0.00	900' 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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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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	GOCM 30g 30o 40m	0.590
62.00	GOCM 40g 20o 40m	0.870
82.00	GOCM 10g 10o 80m	1.150
0.00	900' GIP	0.000

Total Length: 264.00 ft

Total Volume: 2.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

