



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: 48500

DST#: 6

ATTN: Tim Priest

Test Start: 2015.01.14 @ 02:04:00

GENERAL INFORMATION:

Formation: **'K'**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 04:34:00
 Tester: Chuck Smith
 Time Test Ended: 10:34:39
 Unit No: 61
 Interval: **3911.00 ft (KB) To 3933.00 ft (KB) (TVD)**
 Reference Elevations: 2682.00 ft (KB)
 Total Depth: 3933.00 ft (KB) (TVD)
 2672.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 10.00 ft

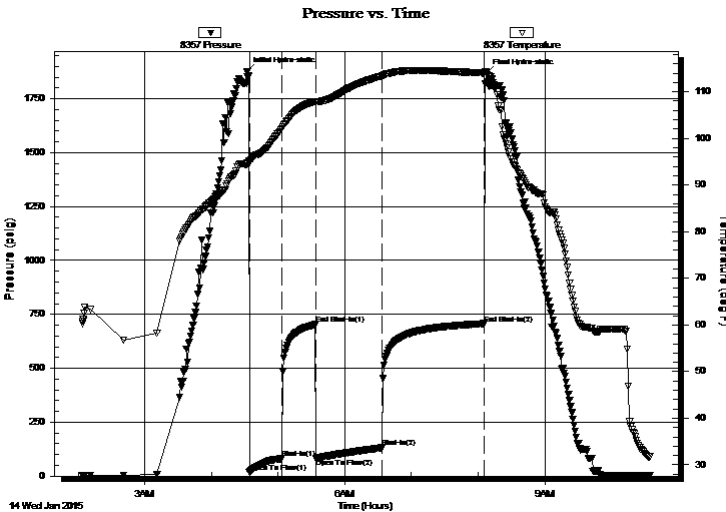
Serial #: 8357

Inside

Press@RunDepth: 131.99 psig @ 3915.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.14 End Date: 2015.01.14 Last Calib.: 2015.01.14
 Start Time: 02:04:02 End Time: 10:34:40 Time On Btm: 2015.01.14 @ 04:32:00
 Time Off Btm: 2015.01.14 @ 08:07:20

TEST COMMENT: 30- 8" Blow .
 30- 1/8" Return.
 60- B.O.B. @ 54 min.
 90- Surface return died @ 20 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1877.19	94.47	Initial Hydro-static
2	18.82	94.87	Open To Flow (1)
32	81.73	102.20	Shut-In(1)
62	703.06	107.91	End Shut-In(1)
62	83.15	107.79	Open To Flow (2)
122	131.99	113.41	Shut-In(2)
214	707.24	114.02	End Shut-In(2)
216	1868.32	114.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	MW 20m 80w	2.27
10.00	VSOCMW 1o 44m 55w	0.14

* Recovery from multiple tests

Gas Rates

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



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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:

75000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
240.00	MW 20m 80w	2.273
10.00	VSOCMW 1o 44m 55w	0.140

Total Length: 250.00 ft Total Volume: 2.413 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: .170 @ 43 Degrees F = 75000 PPM

