



**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: 61554

DST#: 10

ATTN: Tim Priest

Test Start: 2015.01.18 @ 06:30:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:07:40

Time Test Ended: 15:24:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4216.00 ft (KB) To 4270.00 ft (KB) (TVD)

Total Depth: 4270.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2682.00 ft (KB)

2672.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press @ Run Depth: 107.65 psig @ 4220.00 ft (KB)

Start Date: 2015.01.18

End Date: 2015.01.18

Start Time: 06:30:02

End Time: 15:24:19

Capacity: 8000.00 psig

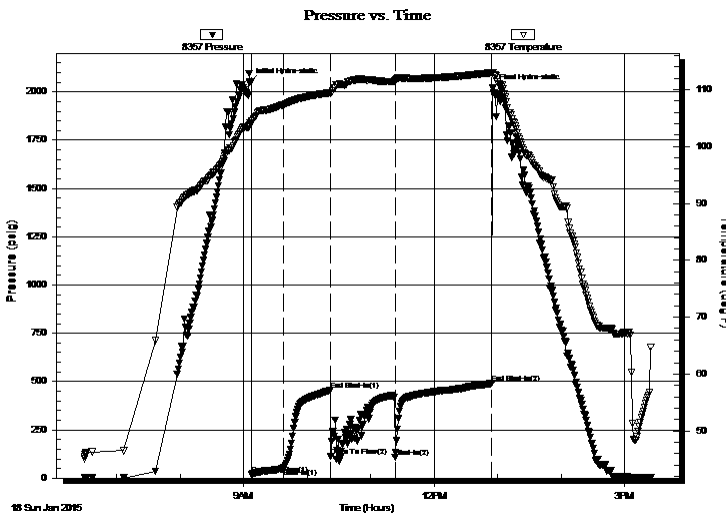
Last Calib.: 2015.01.18

Time On Btm: 2015.01.18 @ 09:05:30

Time Off Btm: 2015.01.18 @ 12:55:20

TEST COMMENT: 30- 5" Blow .
45- Weak return died @ 10 min.
60- 1" Blow .
90- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2048.19	103.78	Initial Hydro-static
3	19.59	103.98	Open To Flow (1)
32	49.30	107.34	Shut-In(1)
77	455.05	109.46	End Shut-In(1)
77	113.75	109.31	Open To Flow (2)
138	107.65	111.49	Shut-In(2)
229	490.15	112.97	End Shut-In(2)
230	2019.05	113.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	64' GIP	0.00
120.00	GOCM 10g 3o 87m	0.59

Gas Rates

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

* Recovery from multiple tests



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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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	64' GIP	0.000
120.00	GOCM 10g 3o 87m	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Not enough oil to measure gravity.

