



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: 61555

DST#: 11

ATTN: Tim Priest

Test Start: 2015.01.19 @ 03:00:00

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:46:30

Time Test Ended: 11:56:10

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 61

Interval: 4269.00 ft (KB) To 4315.00 ft (KB) (TVD)

Reference Elevations: 2682.00 ft (KB)

Total Depth: 4315.00 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: 206.04 psig @ 4270.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.19

End Date:

2015.01.19

Last Calib.:

2015.01.19

Start Time: 03:00:02

End Time:

11:56:10

Time On Btm:

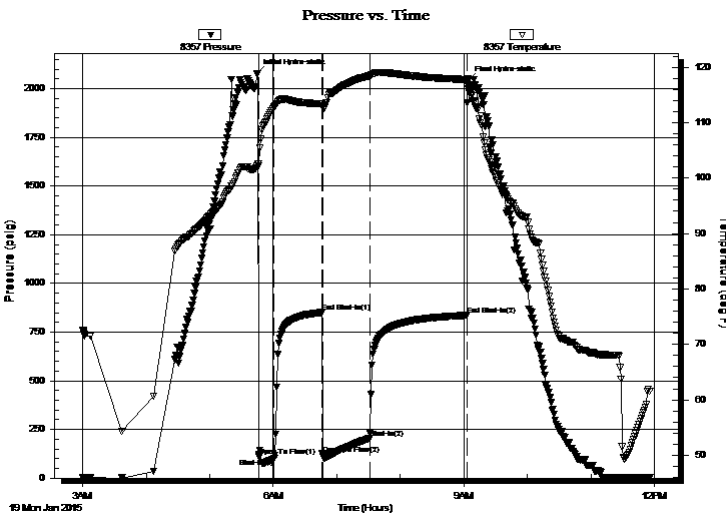
2015.01.19 @ 05:44:10

Time Off Btm:

2015.01.19 @ 09:04:00

TEST COMMENT: 15- B.O.B. @ 6 min.
45- 2" Return.
45- B.O.B. @ 5 min.
90- B.O.B. @ 9 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2077.48	102.12	Initial Hydro-static
3	110.49	102.64	Open To Flow (1)
17	100.75	112.86	Shut-In(1)
62	850.96	113.40	End Shut-In(1)
63	122.09	112.93	Open To Flow (2)
107	206.04	118.46	Shut-In(2)
199	836.59	117.76	End Shut-In(2)
200	2039.58	116.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	API: 34 @ 70 Degrees F = 33.	0.00
424.00	GMCO 30g 20m 50o	4.85
90.00	CGO 40g 60o	1.26
0.00	2510' 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:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	API: 34 @ 70 Degrees F = 33.	0.000
424.00	GMCO 30g 20m 50o	4.854
90.00	CGO 40g 60o	1.262
0.00	2510' GIP	0.000

Total Length: 514.00 ft

Total Volume: 6.116 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

