



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

17-13-32 Logan Co KS

202 W. Main St.
Salem II 62881

Campbell 4 17

Job Ticket: 57663

DST#: 3

ATTN: Tim Priest

Test Start: 2014.06.06 @ 03:33:15

GENERAL INFORMATION:

Formation: **C-D-E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:54:00

Time Test Ended: 12:24:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4062.00 ft (KB) To 4115.00 ft (KB) (TVD)

Reference Elevations: 3043.00 ft (KB)

Total Depth: 4115.00 ft (KB) (TVD)

3033.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8846

Inside

Press@RunDepth: 199.12 psig @ 4065.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.06

End Date:

2014.06.06

Last Calib.:

2014.06.06

Start Time: 03:33:15

End Time:

12:24:00

Time On Btm:

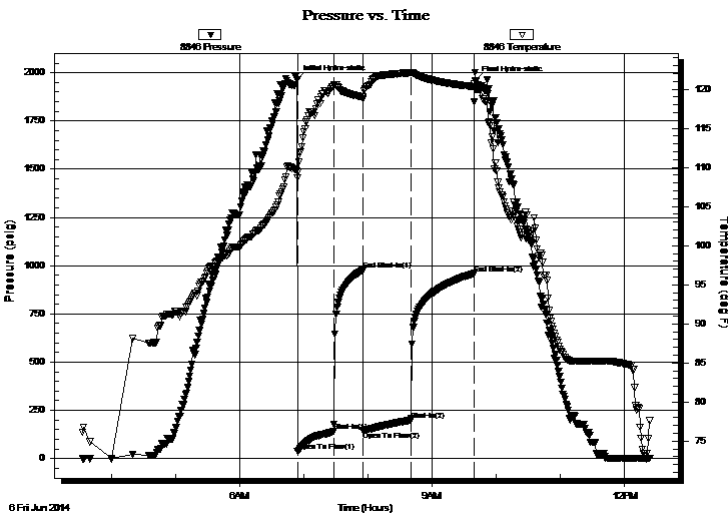
2014.06.06 @ 06:53:45

Time Off Btm:

2014.06.06 @ 09:40:30

TEST COMMENT: IF:BOB in 20 min
IS:No return blow
FF:BOB in 28 min
FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.90	109.59	Initial Hydro-static
1	37.73	108.67	Open To Flow (1)
35	140.39	120.50	Shut-In(1)
62	977.94	118.97	End Shut-In(1)
62	143.75	118.73	Open To Flow (2)
107	199.12	122.11	Shut-In(2)
166	959.50	120.30	End Shut-In(2)
167	1959.70	119.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	mcw 10%m 90%w	0.89
62.00	mcw 40%m 60%w	0.87
124.00	w cm 20%w 80%m	1.74
18.00	ocm 4%o 96%m	0.25
2.00	free oil 100% o	0.03

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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ATTN: Tim Priest

Test Start: 2014.06.06 @ 03:33:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

18000 ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	mcw 10%m 90%w	0.885
62.00	mcw 40%m 60%w	0.870
124.00	w cm 20%w 80%m	1.739
18.00	ocm 4%o 96%m	0.252
2.00	free oil 100% o	0.028

Total Length: 386.00 ft

Total Volume: 3.774 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API=37

RW= .348 @ 90.8*=18,000 ppm

