



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

21-16s-34w Scott Co. KS

202 W Main St.
Salem IL. 62881

Bahm #1-21

Job Ticket: 57225

DST#: 2

ATTN: Steve Davis

Test Start: 2014.07.04 @ 13:20:00

GENERAL INFORMATION:

Formation: **Marmanton " B - C "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:52:25

Time Test Ended: 20:48:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 72

Interval: 4497.00 ft (KB) To 4541.00 ft (KB) (TVD)

Reference Elevations: 3147.00 ft (KB)

Total Depth: 4541.00 ft (KB) (TVD)

3135.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 20.24 psig @ 4498.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.04

End Date:

2014.07.04

Last Calib.:

2014.07.04

Start Time: 13:20:00

End Time:

20:48:39

Time On Btm:

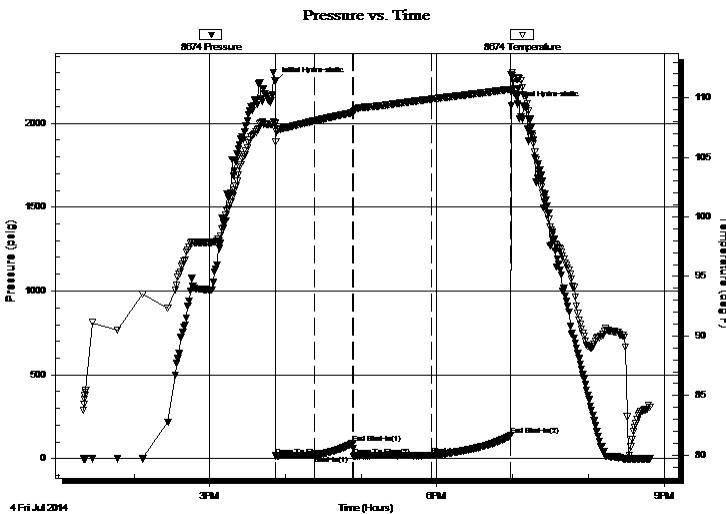
2014.07.04 @ 15:52:10

Time Off Btm:

2014.07.04 @ 18:58:54

TEST COMMENT: IF- Weak Surface Blow Built to 1/4"
IS- No Blow
FF- Weak Surface Blow Built to 3/4"
FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2248.39	107.81	Initial Hydro-static
1	16.34	106.32	Open To Flow (1)
31	19.46	108.07	Shut-In(1)
62	92.57	108.74	End Shut-In(1)
62	13.45	108.83	Open To Flow (2)
124	20.24	109.90	Shut-In(2)
187	138.25	110.72	End Shut-In(2)
187	2106.43	111.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	WOCM 2%w 9%oil 89%m	0.28

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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ATTN: Steve Davis

Test Start: 2014.07.04 @ 13:20:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	WOCM 2%w 9%oil 89%m	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8674

Inside

Shakespeare Oil Co. Inc

Bahm #1-21

DST Test Number: 2

