



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc
202 W Main St.
Salem IL. 62881
ATTN: Steve Davis

21-16s-34w Scott Co. KS

Bahm #1-21

Job Ticket: 57224

DST#: 1

Test Start: 2014.07.03 @ 16:52:00

GENERAL INFORMATION:

Formation: **Marmanton " A "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:23:25
 Time Test Ended: 01:42:40
 Interval: **4436.00 ft (KB) To 4500.00 ft (KB) (TVD)**
 Total Depth: 4500.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Will MacLean
 Unit No: 72
 Reference Elevations: 3147.00 ft (KB)
 3135.00 ft (CF)
 KB to GR/CF: 12.00 ft

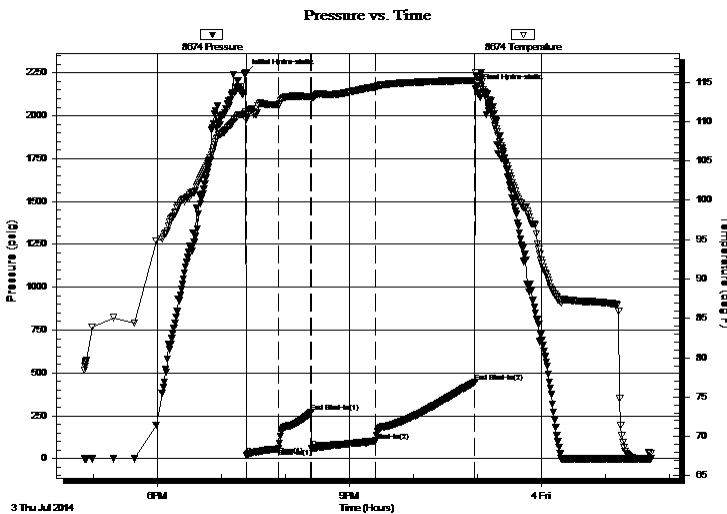
Serial #: 8674

Inside

Press @ Run Depth: 103.36 psig @ 4438.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.03 End Date: 2014.07.04 Last Calib.: 2014.07.04
 Start Time: 16:52:00 End Time: 01:42:40 Time On Btm: 2014.07.03 @ 19:23:10
 Time Off Btm: 2014.07.03 @ 22:58:39

TEST COMMENT: IF- Weak Surface Blow Built to BOB in 28min
 IS- Very Weak Surface Blow in 15min
 FF- Weak Surface Blow Built to 7"
 FS- Very Weak Surface Blow in 8min Died in 50min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2246.72	111.24	Initial Hydro-static
1	20.76	110.20	Open To Flow (1)
31	57.46	112.08	Shut-In(1)
61	270.72	113.17	End Shut-In(1)
62	60.40	113.05	Open To Flow (2)
122	103.36	114.43	Shut-In(2)
215	445.65	115.25	End Shut-In(2)
216	2160.18	116.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OGCM 11%oil 27%g 62%m	0.87
62.00	MGCO 12%m 34%g 54%oil	0.87
62.00	GO 24%g 76%oil	0.87
30.00	MGCO 3%m 4%g 93%oil	0.42
0.00	248' of Weak GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co. Inc

21-16s-34w Scott Co. KS

202 W Main St.
Salem IL. 62881

Bahm #1-21

Job Ticket: 57224

DST#: 1

ATTN: Steve Davis

Test Start: 2014.07.03 @ 16:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.56 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OGCM 11%oil 27%g 62%m	0.870
62.00	MGCO 12%m 34%g 54%oil	0.870
62.00	GO 24%g 76%oil	0.870
30.00	MGCO 3%m 4%g 93%oil	0.421
0.00	248' of Weak GIP	0.000

Total Length: 216.00 ft Total Volume: 3.031 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 32 @ 70f = 31

Pressure vs. Time

