



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc

27-16s-34w Scott Co, KS

202 West Main Street
Salem IL, 62881

Church Of God 2-27

ATTN: Tim Priest

Job Ticket: 57271

DST#: 3

Test Start: 2014.09.16 @ 12:25:00

GENERAL INFORMATION:

Formation: **Pawnee, Myric Station,**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:53:45

Time Test Ended: 20:34:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 4541.00 ft (KB) To 4625.00 ft (KB) (TVD)

Reference Elevations: 3129.00 ft (KB)

Total Depth: 4625.00 ft (KB) (TVD)

3119.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press@RunDepth: 59.26 psig @ 4542.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.16

End Date:

2014.09.16

Last Calib.:

2014.09.16

Start Time: 12:25:15

End Time:

20:34:45

Time On Btm:

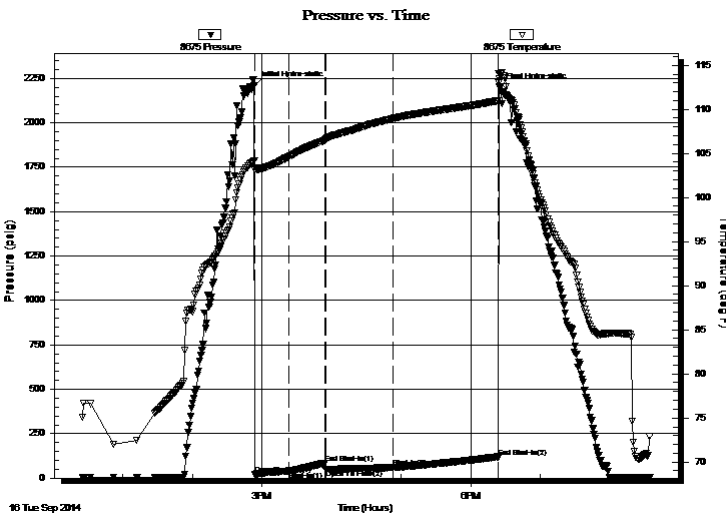
2014.09.16 @ 14:53:30

Time Off Btm:

2014.09.16 @ 18:24:30

TEST COMMENT: Built to 1" blow
No return blow
Built to 1/4" blow
No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2210.76	104.16	Initial Hydro-static
1	20.59	103.12	Open To Flow (1)
30	39.80	104.62	Shut-In(1)
61	85.07	106.46	End Shut-In(1)
62	47.98	106.51	Open To Flow (2)
120	59.26	108.94	Shut-In(2)
211	120.21	110.99	End Shut-In(2)
211	2200.85	113.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	100%Mud	0.34

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
70.00	100%Mud	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8675

Inside

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Church Of God 2-27

DST Test Number: 3

Pressure vs. Time

