



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

32-16s-34w Scott Co, KS

202 W Main ST
Salem IL, 62881 - 1519

Schowalter #1-32

Job Ticket: 56471

DST#: 3

ATTN: Tim Priest

Test Start: 2014.04.19 @ 08:35:00

GENERAL INFORMATION:

Formation: **Johnson Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:04:30

Time Test Ended: 17:20:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 4685.00 ft (KB) To 4770.00 ft (KB) (TVD)

Reference Elevations: 3160.00 ft (KB)

Total Depth: 4770.00 ft (KB) (TVD)

3150.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 46.15 psig @ 4686.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.19

End Date: 2014.04.19

Last Calib.: 2014.04.19

Start Time: 08:35:15

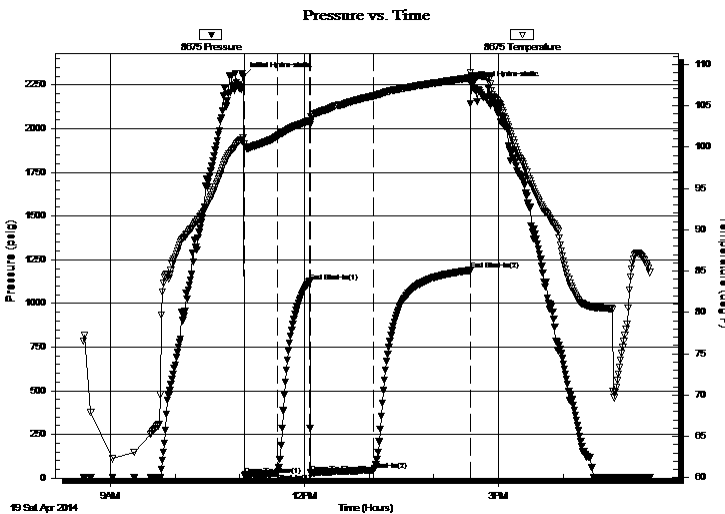
End Time: 17:20:30

Time On Btm: 2014.04.19 @ 11:03:00

Time Off Btm: 2014.04.19 @ 14:35:00

TEST COMMENT: Built to 1/2" blow
No return blow
Built to 1/4" blow
No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2298.59	101.11	Initial Hydro-static
2	17.96	100.43	Open To Flow (1)
32	29.65	101.32	Shut-In(1)
62	1125.34	103.16	End Shut-In(1)
63	30.01	102.99	Open To Flow (2)
121	46.15	106.17	Shut-In(2)
211	1189.46	108.37	End Shut-In(2)
212	2248.66	108.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% Mud w ith oil scum	0.30

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Schowalter #1-32

Job Ticket: 56471

DST#: 3

ATTN: Tim Priest

Test Start: 2014.04.19 @ 08:35:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	100% Mud with oil scum	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

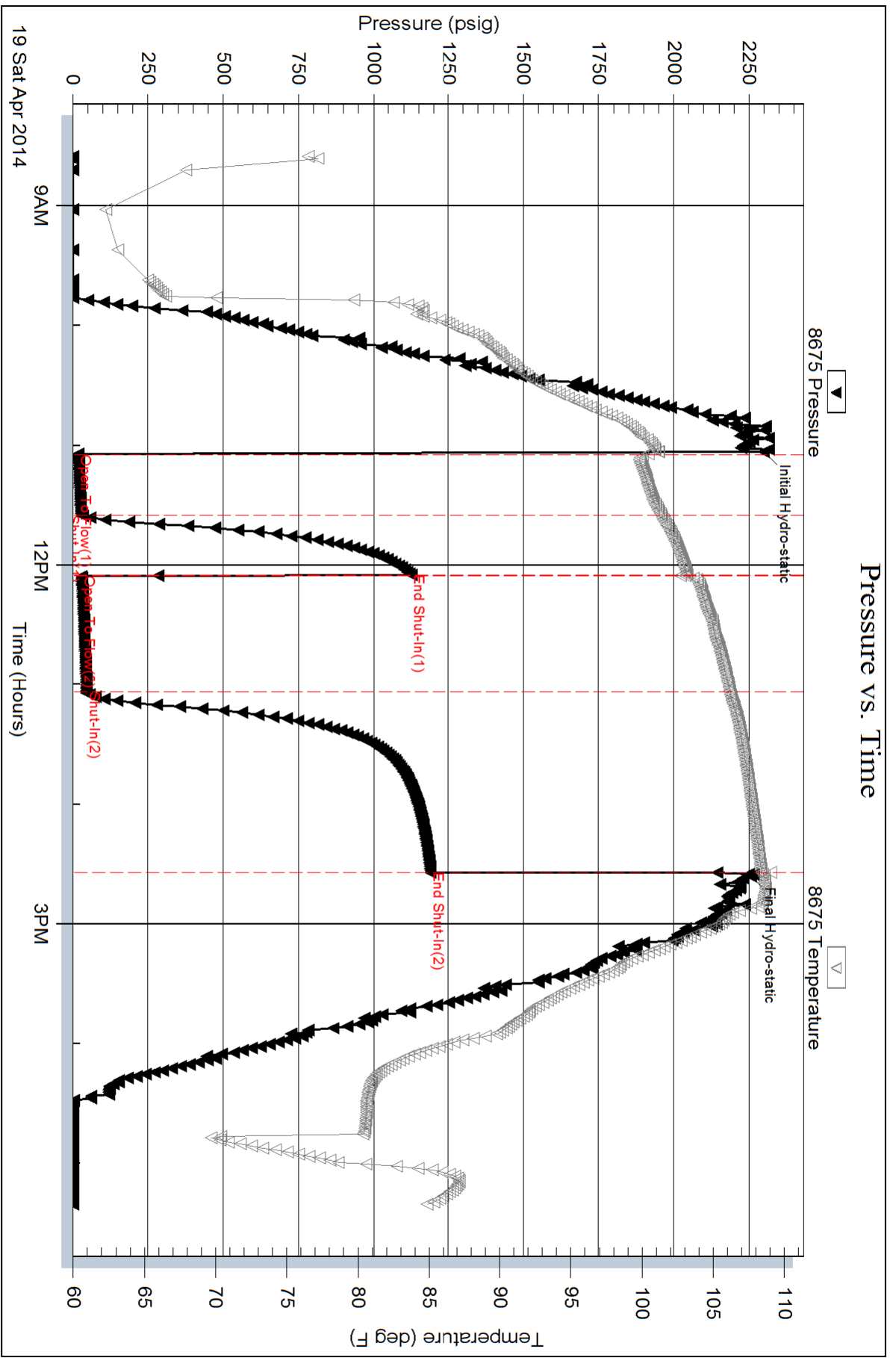
Serial #: 8675

Inside

Shakespeare Oil Company, Inc.

Schow alter #1-32

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 56471

Printed: 2014.04.19 @ 23:23:36