



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

25-16s-34w Scott Co, KS

202 W Main ST
Salem IL, 62881-1519

Carson #3-25

Job Ticket: 57015

DST#: 1

ATTN: Wes Hanson

Test Start: 2014.06.05 @ 13:30:00

GENERAL INFORMATION:

Formation: **Marmaton "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:18:15

Time Test Ended: 21:54:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

Interval: 4420.00 ft (KB) To 4470.00 ft (KB) (TVD)

Reference Elevations: 3114.00 ft (KB)

Total Depth: 4470.00 ft (KB) (TVD)

3104.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8675 Inside

Press @ Run Depth: 63.69 psig @ 4430.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.05 End Date: 2014.06.05

Last Calib.: 2014.06.05

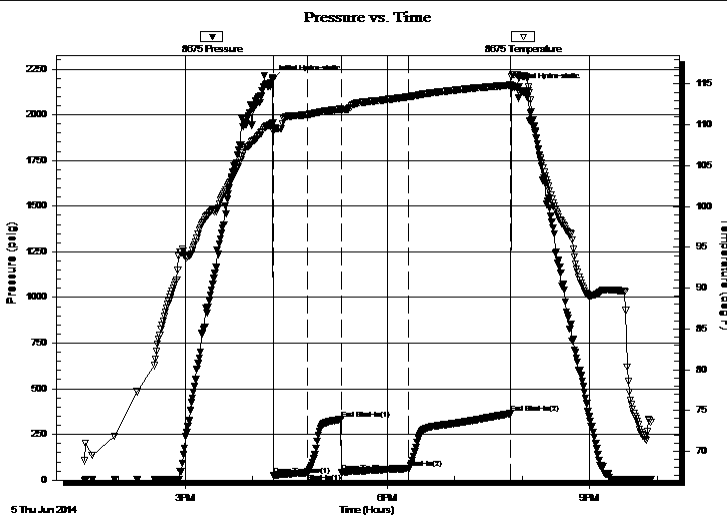
Start Time: 13:30:15 End Time: 21:54:15

Time On Btm: 2014.06.05 @ 16:17:45

Time Off Btm: 2014.06.05 @ 19:51:00

TEST COMMENT: Built to 7" blow
Bled off for 5 min. No return blow
B.O.B. in 37 min.
Bled off for 5 min. Built to 1/2" return, died in 75 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2192.88	110.22	Initial Hydro-static
1	24.49	109.16	Open To Flow (1)
31	39.51	111.25	Shut-In(1)
61	334.52	111.94	End Shut-In(1)
62	42.32	111.82	Open To Flow (2)
121	63.69	113.43	Shut-In(2)
212	364.56	114.87	End Shut-In(2)
214	2150.41	116.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	388 Feet Weak Gas In Pipe	0.00
55.00	mco 30%M 70%O	0.77
63.00	gcom 10%G 30%O 60%M	0.88

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Wes Hanson

Test Start: 2014.06.05 @ 13:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	388 Feet Weak Gas In Pipe	0.000
55.00	mco 30%M 70%O	0.772
63.00	gcom 10%G 30%O 60%M	0.884

Total Length: 118.00 ft Total Volume: 1.656 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API 27 @ 70 F = 26

Serial #: 8675

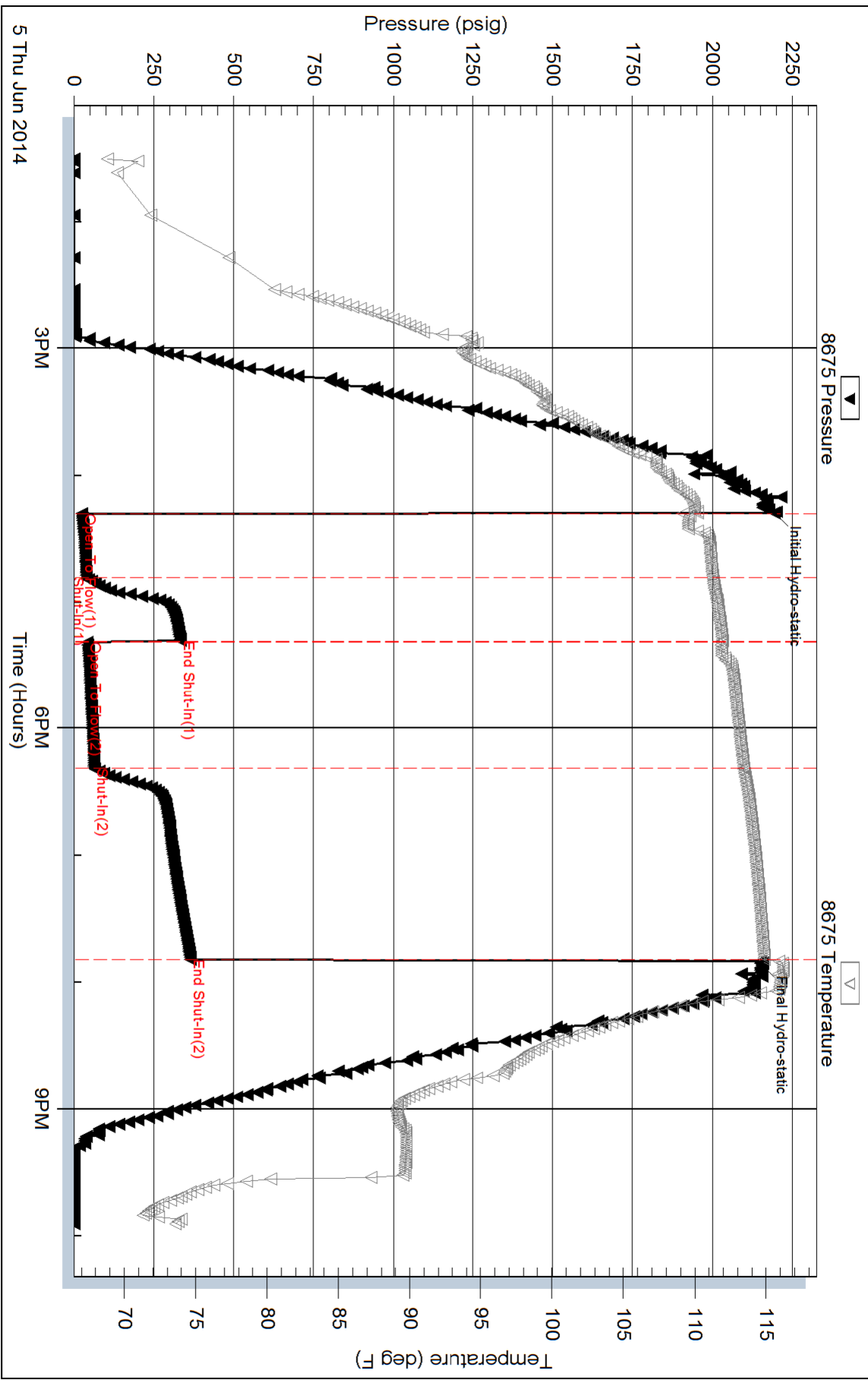
Inside

Shakespeare Oil Company, Inc.

Carson #3-25

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 57015

Printed: 2014.06.05 @ 22:58:47