



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

28-16s-34w Scott Co, KS

202 W Main ST
Salem IL, 62881-1519

Blakey 1-28

Job Ticket: 61594

DST#: 4

ATTN: Tim Priest

Test Start: 2015.07.29 @ 19:05:00

GENERAL INFORMATION:

Formation: **Marmaton C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:46:45

Time Test Ended: 02:16:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: 4515.00 ft (KB) To 4550.00 ft (KB) (TVD)

Reference Elevations: 3150.00 ft (KB)

Total Depth: 4550.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 19.81 psig @ 4516.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.29

End Date:

2015.07.30

Last Calib.:

2015.07.30

Start Time: 19:05:15

End Time:

02:16:30

Time On Btm:

2015.07.29 @ 21:46:15

Time Off Btm:

2015.07.30 @ 00:21:15

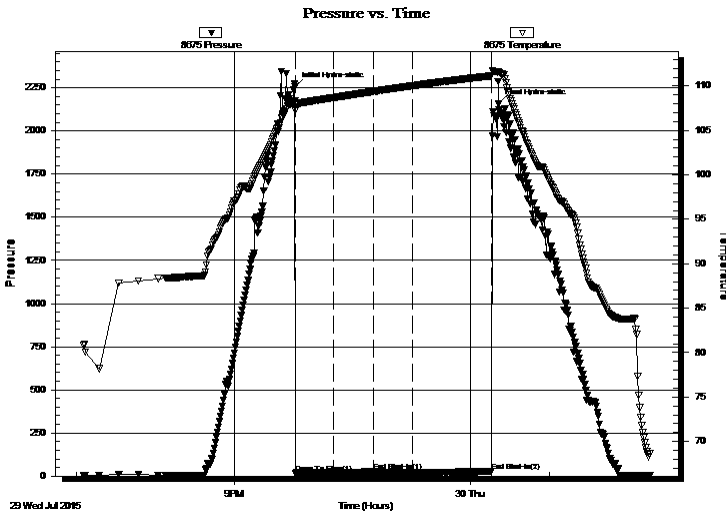
TEST COMMENT: Surface blow after 8 min, Died after 20 min.

No return blow

No blow

No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2257.53	108.34	Initial Hydro-static
1	18.18	107.23	Open To Flow (1)
30	19.43	108.70	Shut-In(1)
60	25.51	109.39	End Shut-In(1)
60	19.42	109.39	Open To Flow (2)
90	19.81	110.04	Shut-In(2)
150	27.44	111.16	End Shut-In(2)
155	2156.20	111.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud w with few oil spots	0.02

* Recovery from multiple tests

Gas Rates

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



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ATTN: Tim Priest

Test Start: 2015.07.29 @ 19:05:00

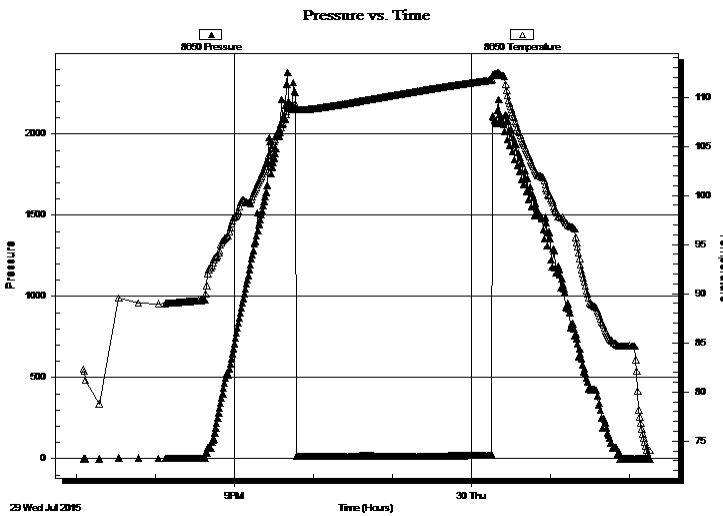
GENERAL INFORMATION:

Formation: **Marmaton C**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 21:46:45 Tester: Jace McKinney
 Time Test Ended: 02:16:30 Unit No: 75
 Interval: **4515.00 ft (KB) To 4550.00 ft (KB) (TVD)** Reference Elevations: 3150.00 ft (KB)
 Total Depth: 4550.00 ft (KB) (TVD) 3143.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 7.00 ft

Serial #: 8650 **Outside**
 Press @ Run Depth: psig @ 4516.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.07.29 End Date: 2015.07.30 Last Calib.: 2015.07.30
 Start Time: 19:05:15 End Time: 02:16:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: Surface blow after 8 min, Died after 20 min.
 No return blow
 No blow
 No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

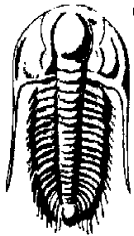
Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud w ith few oil spots	0.02

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Company, Inc.

28-16s-34w Scott Co, KS

202 W Main ST
Salem IL, 62881-1519

Blakey 1-28

Job Ticket: 61594

DST#: 4

ATTN: Tim Priest

Test Start: 2015.07.29 @ 19:05:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 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
5.00	100% mud with few oil spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

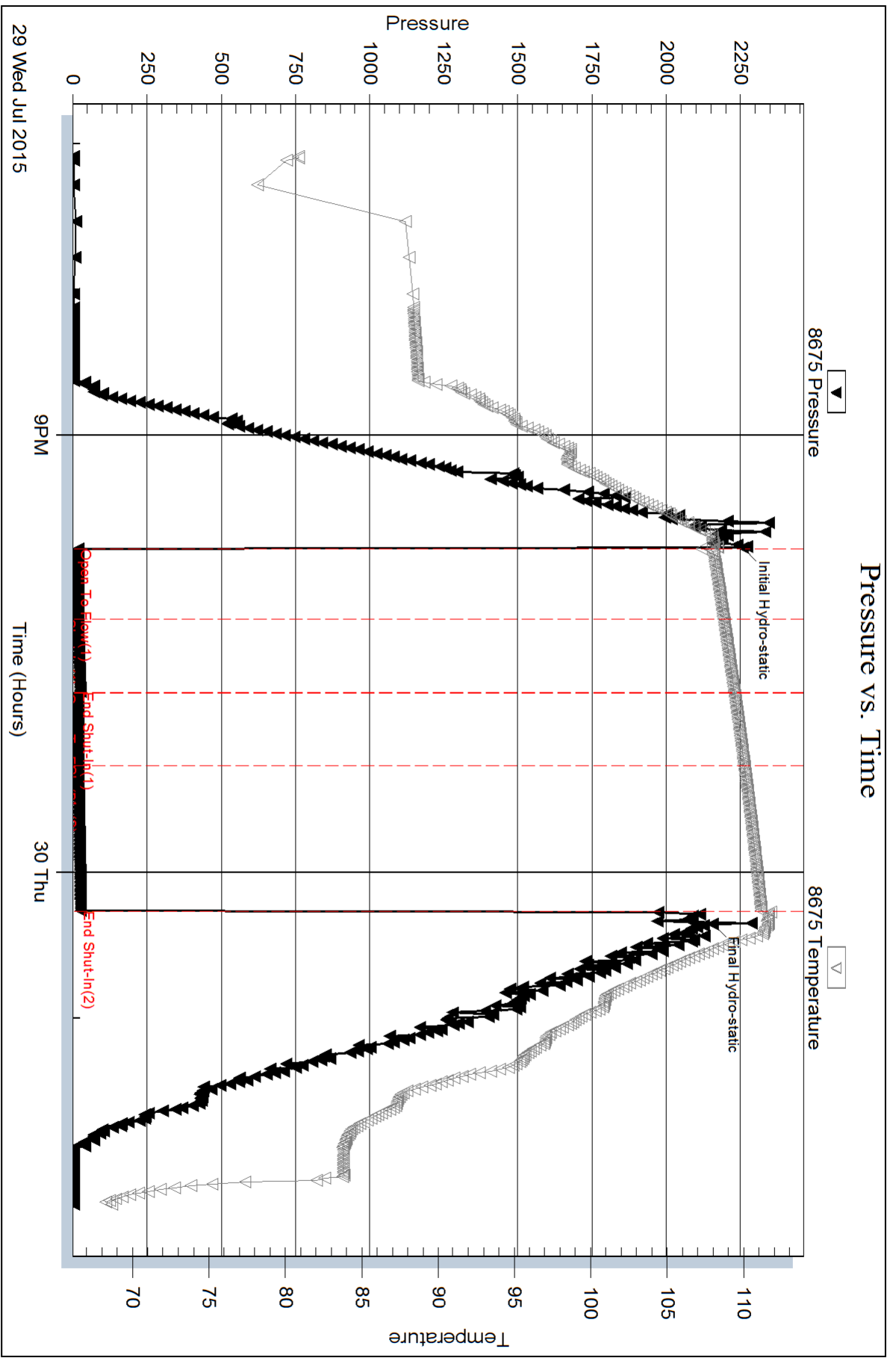
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

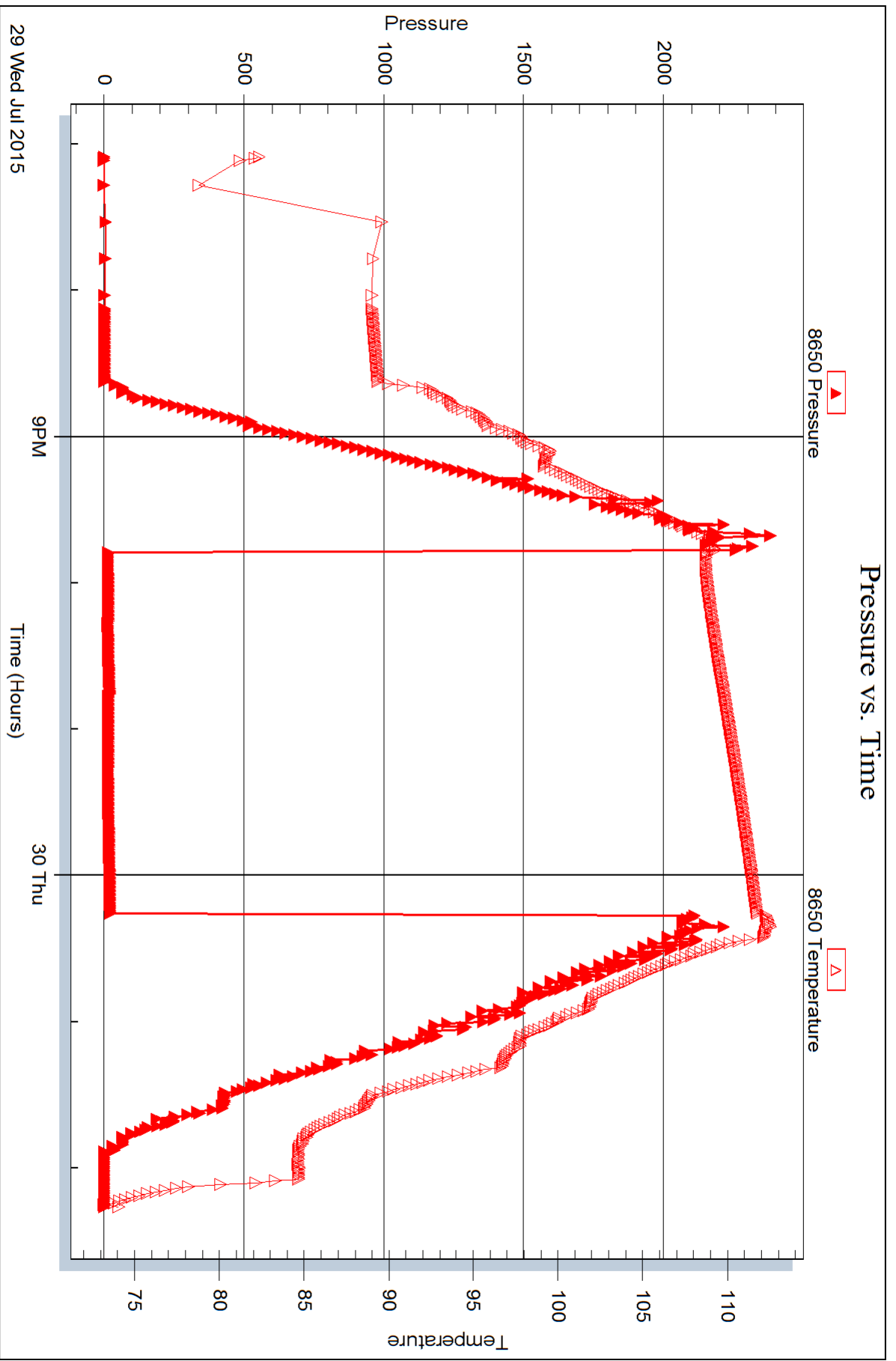


Serial #: 8650

Outside Shakespeare Oil Company, Inc.

Blakey 1-28

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 61594

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