



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespear Oil Company

24-16-34 Scott Co KS

202 West Main Street
Salem IL
62881
ATTN: Tim Priest

Koehn 1 24

Job Ticket: 64587

DST#: 1

Test Start: 2016.07.21 @ 02:02:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:05:15

Time Test Ended: 09:12:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4413.00 ft (KB) To 4460.00 ft (KB) (TVD)

Reference Elevations: 3109.00 ft (KB)

Total Depth: 4460.00 ft (KB) (TVD)

3101.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8646

Inside

Press@RunDepth: 36.96 psig @ 4420.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.07.20

End Date:

2016.07.20

Last Calib.:

2016.07.21

Start Time:

02:02:15

End Time:

09:12:45

Time On Btm:

2016.07.20 @ 05:05:00

Time Off Btm:

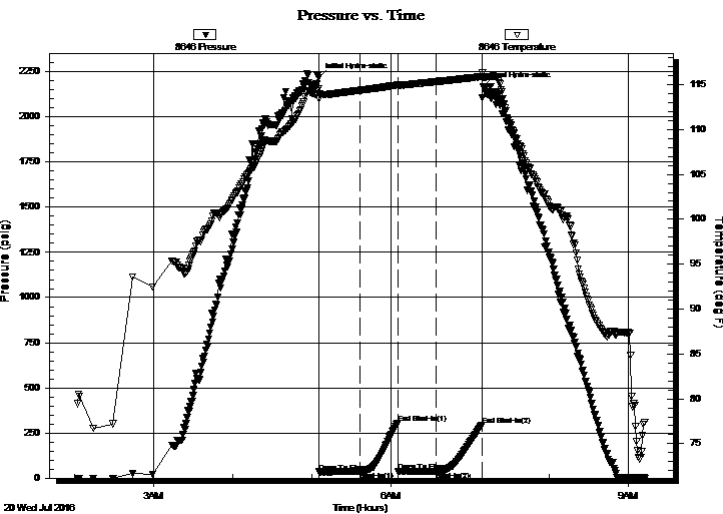
2016.07.20 @ 07:10:15

TEST COMMENT: IF: Built to 1/8" blow and died in 6 min.

IS: No return blow

FF: No blow

FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2219.95	114.56	Initial Hydro-static
1	35.06	113.39	Open To Flow (1)
32	36.17	114.36	Shut-In(1)
60	303.67	114.93	End Shut-In(1)
61	36.87	114.82	Open To Flow (2)
90	36.96	115.33	Shut-In(2)
124	294.74	115.89	End Shut-In(2)
126	2169.44	115.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.03

Gas Rates

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



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FLUID SUMMARY

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Job Ticket: 64587

DST#: 1

Test Start: 2016.07.21 @ 02:02:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
2.00	mud 100%m	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

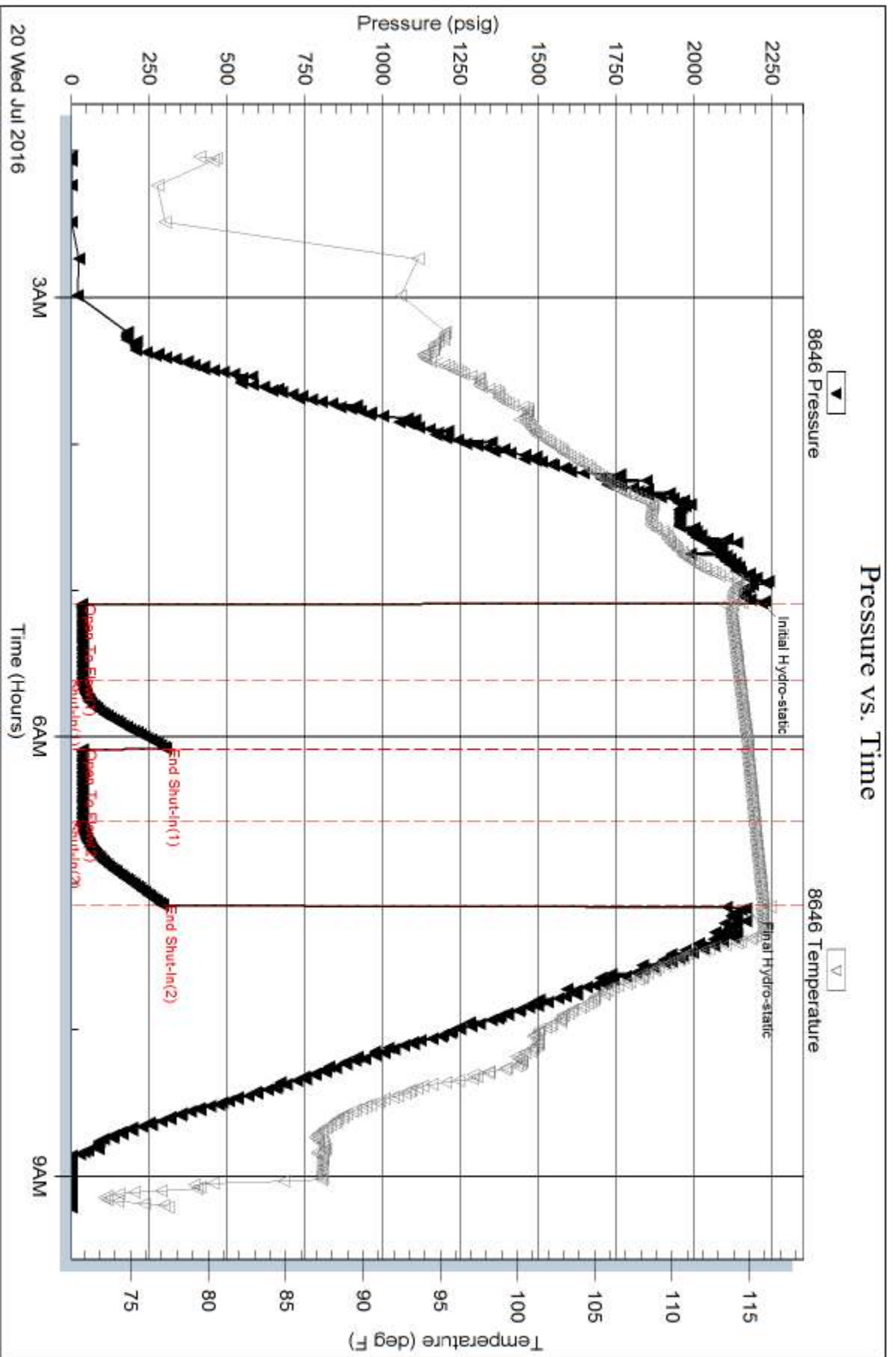
Serial #: 8646

Inside

Shakespeare Oil Company

Koehn 1 24

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64587

Printed: 2016.07.21 @ 10:18:36