



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

17-13-32 Logan Co KS

202 W. Main St.
Salem Il 62881

Campbell 4 17

Job Ticket: 57667

DST#: 7

ATTN: Tim Priest

Test Start: 2014.06.10 @ 15:14:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:54:00

Time Test Ended: 23:16:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4573.00 ft (KB) To 5610.00 ft (KB) (TVD)

Reference Elevations: 3043.00 ft (KB)

Total Depth: 4573.00 ft (KB) (TVD)

3033.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8846

Inside

Press@RunDepth: 99.49 psig @ 4605.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.10

End Date:

2014.06.10

Last Calib.:

2014.06.10

Start Time: 15:14:15

End Time:

23:16:45

Time On Btm:

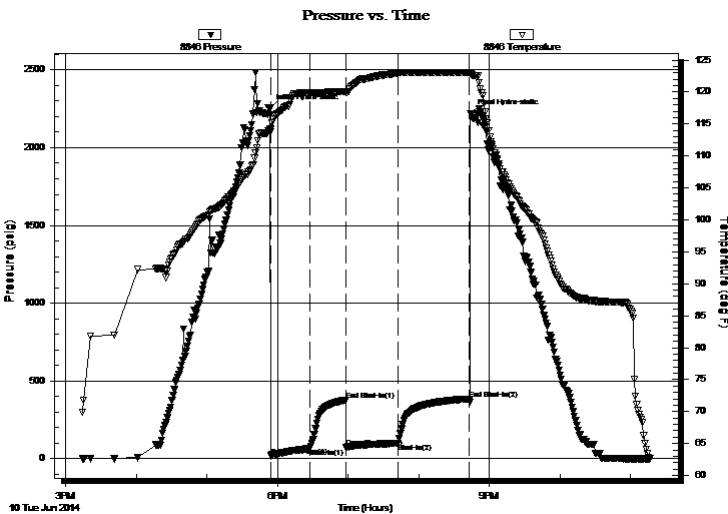
2014.06.10 @ 17:53:45

Time Off Btm:

2014.06.10 @ 20:44:00

TEST COMMENT: IF: Built to 7" blow
IS: No return blow
FF: Built to 1" blow
FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2253.91	114.26	Initial Hydro-static
1	18.46	113.77	Open To Flow (1)
34	65.33	119.92	Shut-In(1)
65	373.52	120.08	End Shut-In(1)
65	74.17	119.95	Open To Flow (2)
109	99.49	122.97	Shut-In(2)
170	384.54	123.07	End Shut-In(2)
171	2218.45	122.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	ocw m 5%o 35%w 60%m	0.30
60.00	w cgmo 2%w 10%g 38%o 50%m	0.30
60.00	ocm 20%o 80%m	0.30
15.00	ocm 20%o 80%m	0.21
15.00	Free Oil 100% o	0.21

Gas Rates

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

* Recovery from multiple tests



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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 21000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	ocw m 5%o 35%w 60%m	0.295
60.00	w cgmo 2%w 10%g 38%o 50%m	0.295
60.00	ocm 20%o 80%m	0.295
15.00	ocm 20%o 80%m	0.210
15.00	Free Oil 100% o	0.210

Total Length: 210.00 ft Total Volume: 1.305 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: API 33 @60

RW= .425 @ 65.2 = 21,000 ppm

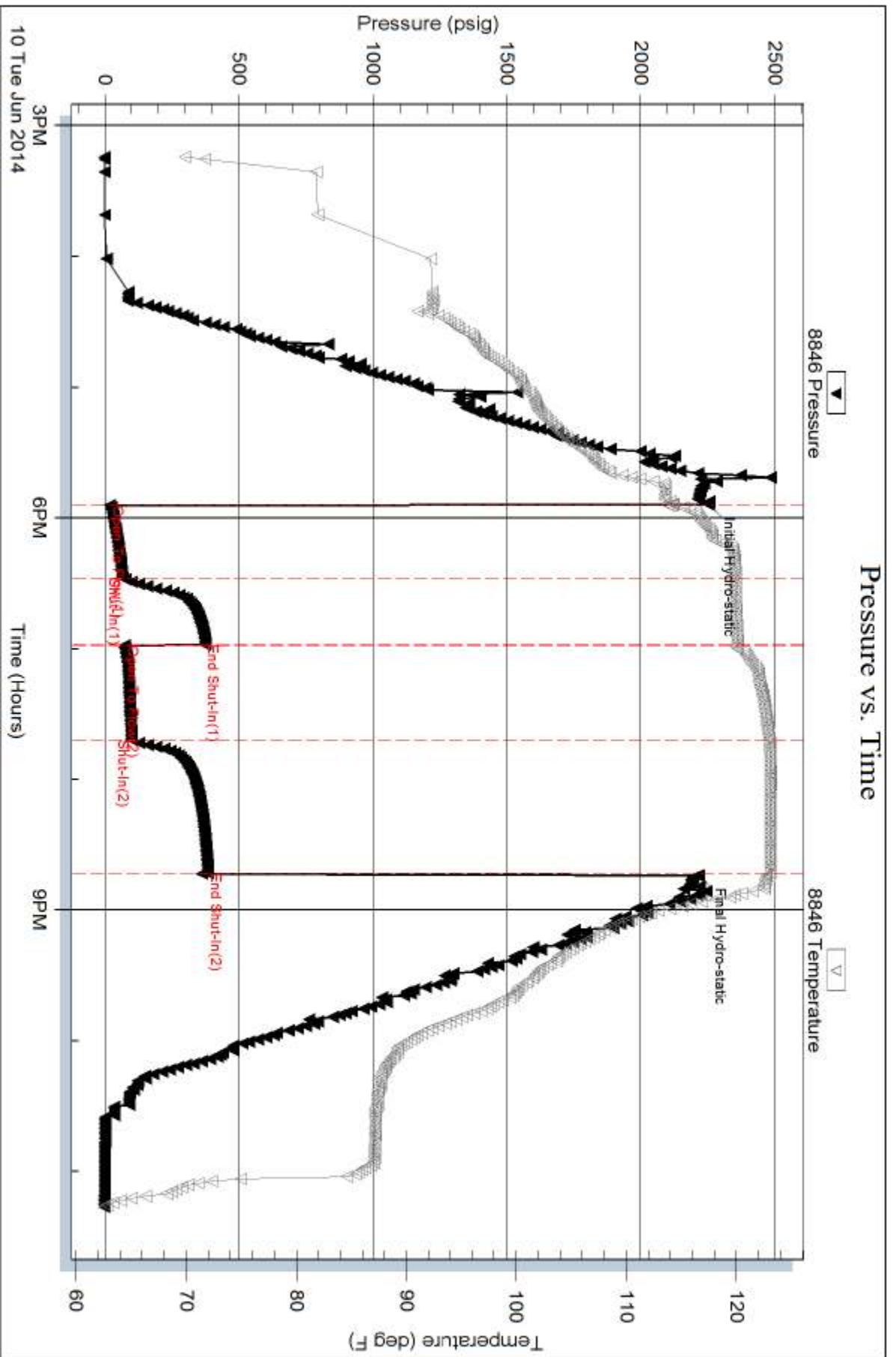
Serial #: 8846

Inside

Shakespeare Oil Co. Inc

Campbell 4 17

DST Test Number: 7



Trilobite Testing, Inc

Ref. No: 57667

Printed: 2014.06.11 @ 07:48:58