



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Oil Producers Inc of Kansas

**36-20s-21w ,Ness,KS**

1710 Waterfront PKWY  
Wichita KS 67206

**Craig J #1**

Job Ticket: 58957

**DST#: 4**

ATTN: Kent Matson

Test Start: 2014.05.14 @ 03:50:00

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:09:00

Time Test Ended: 12:03:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

**Interval: 4398.00 ft (KB) To 4410.00 ft (KB) (TVD)**

Reference Elevations: 2253.00 ft (KB)

Total Depth: 4410.00 ft (KB) (TVD)

2241.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 8957 Outside**

Press@RunDepth: 173.01 psig @ 4407.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.14

End Date:

2014.05.14

Last Calib.: 2014.05.14

Start Time: 03:50:05

End Time:

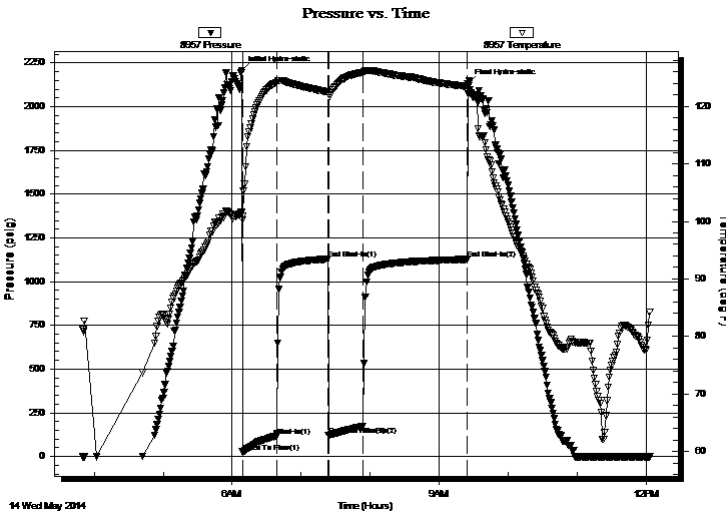
12:03:29

Time On Btm: 2014.05.14 @ 06:08:15

Time Off Btm: 2014.05.14 @ 09:25:15

TEST COMMENT: IF-BOB in 10min  
IS-Very weak surface blow  
FF-BOB in 19min  
FS-Very weak surface blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2206.96	101.50	Initial Hydro-static
1	23.27	100.86	Open To Flow (1)
31	117.75	124.14	Shut-In(1)
75	1128.71	122.48	End Shut-In(1)
76	122.11	122.00	Open To Flow (2)
106	173.01	125.88	Shut-In(2)
196	1127.16	123.49	End Shut-In(2)
197	2129.63	123.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
305.00	VSGMCW 5%G 5%M 90%W	2.64
44.00	VSGOWCM 10%G 2%O 20%W 68%M	0.62
1.00	Free Oil	0.01
0.00	120ft GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests



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## FLUID SUMMARY

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**Craig J #1**

Job Ticket: 58957

**DST#: 4**

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Test Start: 2014.05.14 @ 03:50:00

### 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:

52000 ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
305.00	VSGMCW 5%G 5%M 90%W	2.639
44.00	VSGOWCM 10%G 2%O 20%W 68%M	0.617
1.00	Free Oil	0.014
0.00	120ft GIP	0.000

Total Length: 350.00 ft

Total Volume: 3.270 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

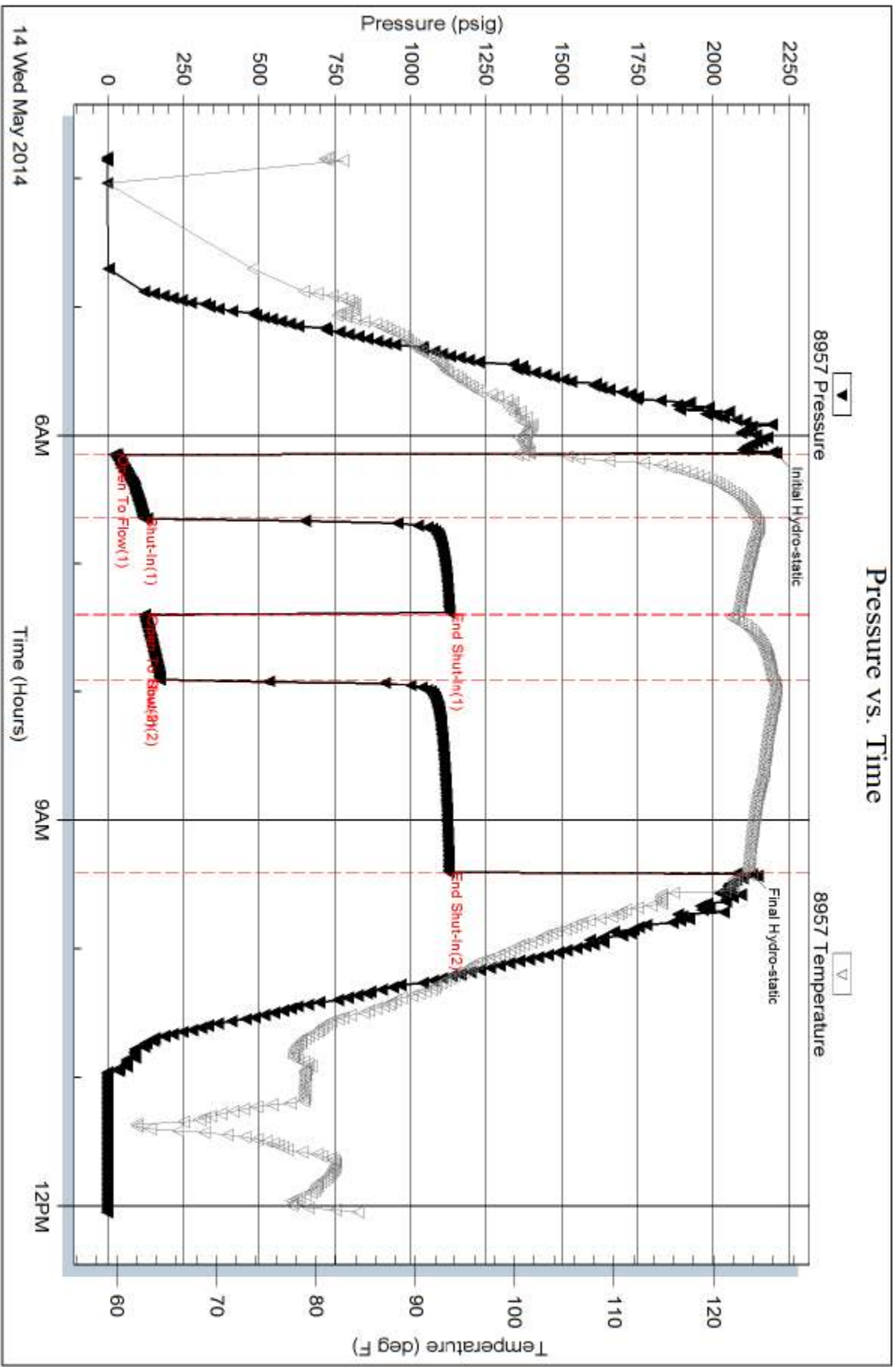
Recovery Comments:

Serial #: 8957

Outside Oil Producers Inc of Kansas

Craig J#1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 58957

Printed: 2014.05.14 @ 13:44:15