



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Woolsey Operating Co.LLC

18-35s-12w Barber Co.

125 N Market
Suite 1000
Wichita, Ks. 67202
ATTN: Blake Miller

Mackey #1

Job Ticket: 51936

DST#: 1

Test Start: 2014.02.24 @ 00:50:31

GENERAL INFORMATION:

Formation: **Cherokee Sd**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 04:00:46

Time Test Ended: 10:07:16

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 53

Interval: 4740.00 ft (KB) To 4806.00 ft (KB) (TVD)

Reference Elevations: 1438.00 ft (KB)

Total Depth: 4806.00 ft (KB) (TVD)

1426.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6773 Outside

Press@RunDepth: 45.88 psig @ 4741.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.24

End Date:

2014.02.24

Last Calib.:

2014.02.24

Start Time: 00:50:36

End Time:

10:07:16

Time On Btm:

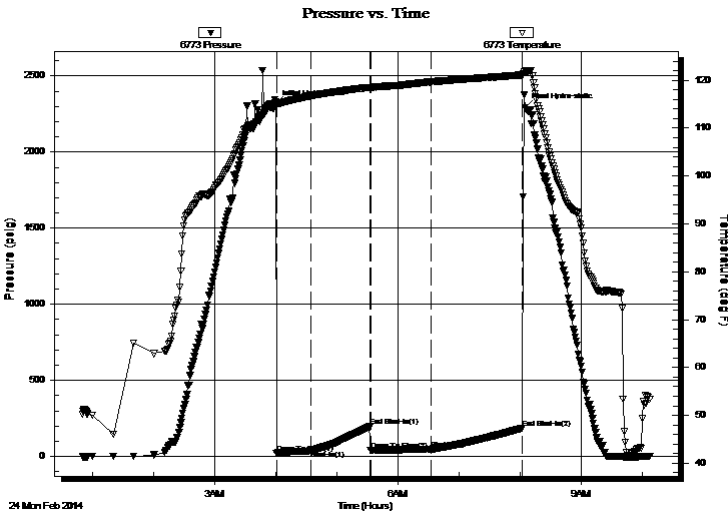
2014.02.24 @ 04:00:01

Time Off Btm:

2014.02.24 @ 08:05:01

TEST COMMENT: IF: Weak blow . Surf., - 5 1/2".
IS: Weak blow . Surf., - 1/4 to 1/2".
FF: Weak blow . Surf., - 4".
FS: No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2315.31	115.51	Initial Hydro-static
1	19.41	115.08	Open To Flow (1)
35	36.79	116.71	Shut-In(1)
93	196.92	118.52	End Shut-In(1)
94	37.14	118.51	Open To Flow (2)
153	45.88	119.67	Shut-In(2)
243	187.68	121.12	End Shut-In(2)
245	2292.16	121.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM 2%o 98%m	0.10

Gas Rates

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



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FLUID SUMMARY

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ATTN: Blake Miller

Mackey #1

Job Ticket: 51936

DST#: 1

Test Start: 2014.02.24 @ 00:50:31

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 8.79 in³

Resistivity: 0.00 ohm.m

Salinity: 1800.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 1800 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	SOCM 2%o 98%m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

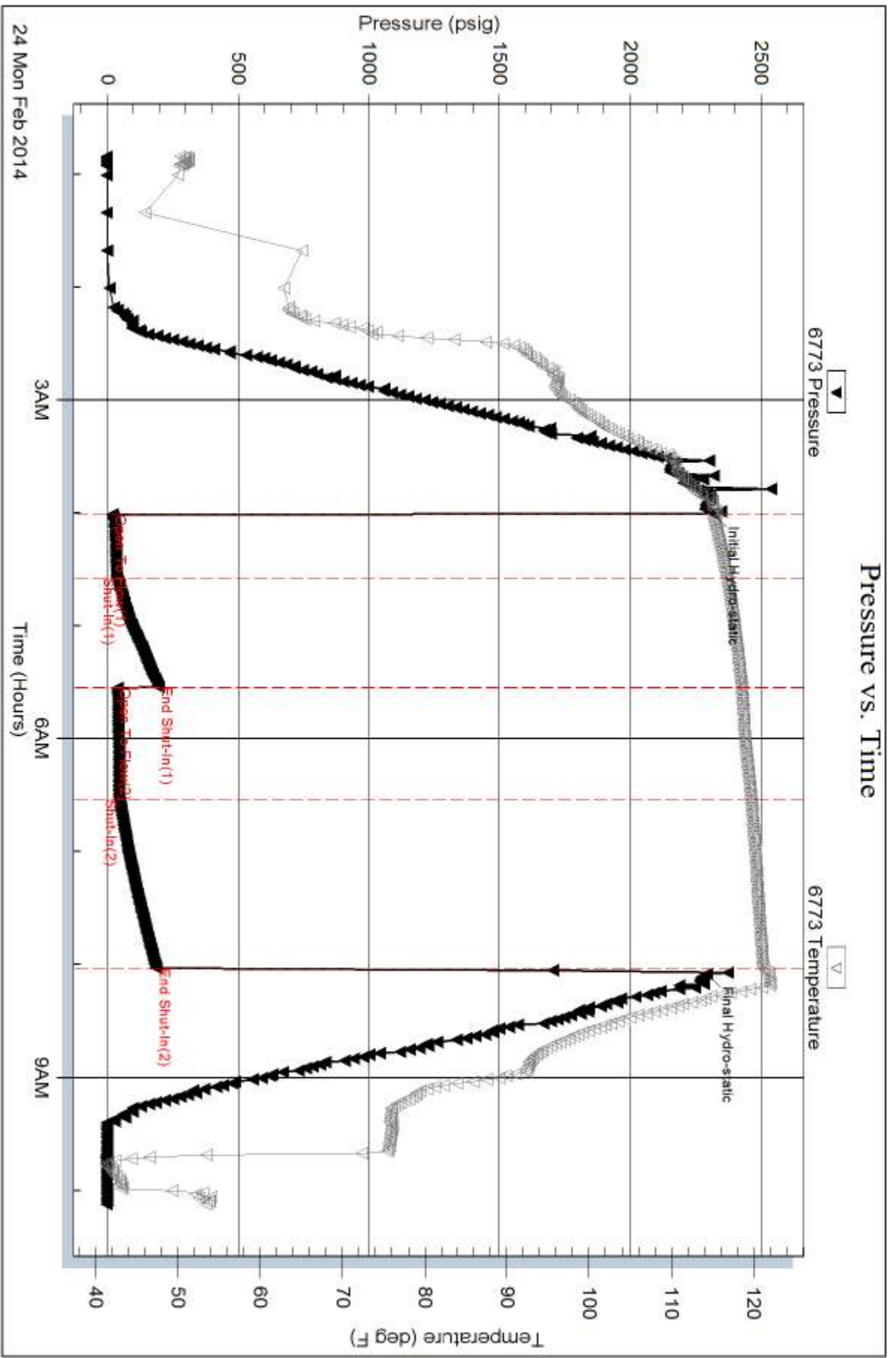
Recovery Comments:

Serial #: 6773

Outside Woodsey Operating Co.LLC

Mackey #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 51936

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