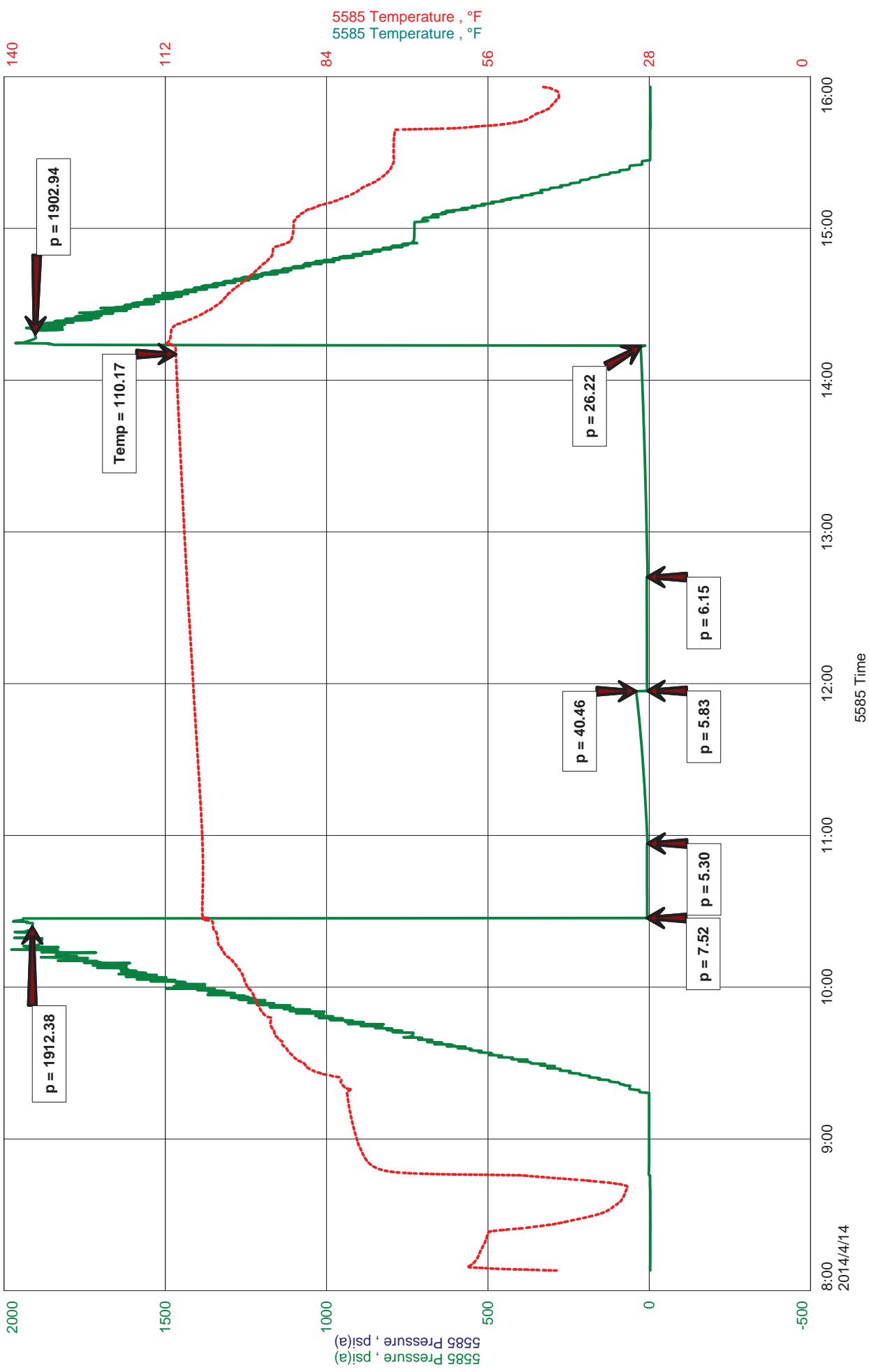


RAYMOND OIL CO INC
DST2 LANS"160" 4048-4085
Start Test Date: 2014/04/04
Final Test Date: 2014/04/04

MICHAELIS 2
Formation: DST2 LANS"160" 4048-4085
Pool: WILDCAT
Job Number: A040

MICHAELIS 2



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	RAYMOND OIL CO INC	Contact	TED McHENRY	Job Number	A040
Well Name	MICHAELIS 2	Well Operator	RAYMOND OIL CO INC	Representative	ANDY CARREIRA
Unique Well ID	DST2 LANS"160" 4048-4085	Report Date	2014/04/04	Prepared By	ANDY CARREIRA
Surface Location	SEC4-14S-32W LOGAN CNTY,KS	Field	WILDCAT	Well Type	Vertical

Test Information

Test Type	CONVENTIONAL
Formation	DST2 LANS"160" 4048-4085
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/04/04	Start Test Time	08:08:00
Final Test Date	2014/04/04	Final Test Time	15:56:00

Gauge Name	5585
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Test Results

RECOVERY: 2' MUD

TOOL SAMPLE: 100% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: MICHAELIS2DST2

TIME ON: 08:08
TIME OFF: _____

Company RAYMOND OIL CO INC Lease & Well No. MICHAELIS 2
Contractor LD DRLG Charge to RAYMOND OIL CO INC
Elevation 2840 KB Formation LANS"160" Effective Pay _____ Ft. Ticket No. A040
Date 4-14-14 Sec. 3 Twp. 14 S Range 32 W County LOGAN State KANSAS
Test Approved By MAX LOVELY Diamond Representative ANDY CARREIRA

Formation Test No. 2 Interval Tested from 4048 ft. to 4085 ft. Total Depth 4085 ft.
Packer Depth 4043 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4048 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4029 ft. Recorder Number 5585 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4050 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3500 P.P.M. Drill Pipe Length 4016 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 09 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 37 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BLOW DIED IN 10 MIN. (NObb)
2nd Open: NO BLOW (NObb)

Recovered <u>2</u> ft. of <u>MUD</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>100% MUD</u>	Total

Time Set Packer(s) 10:27 AM A.M. P.M. Time Started Off Bottom 2:12 PM A.M. P.M. Maximum Temperature 110
Initial Hydrostatic Pressure..... (A) 1912 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 5 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 40 P.S.I.
Final Flow Period..... Minutes 45 (E) 6 P.S.I. to (F) 6 P.S.I.
Final Closed In Period..... Minutes 90 (G) 26 P.S.I.
Final Hydrostatic Pressure..... (H) 1903 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.