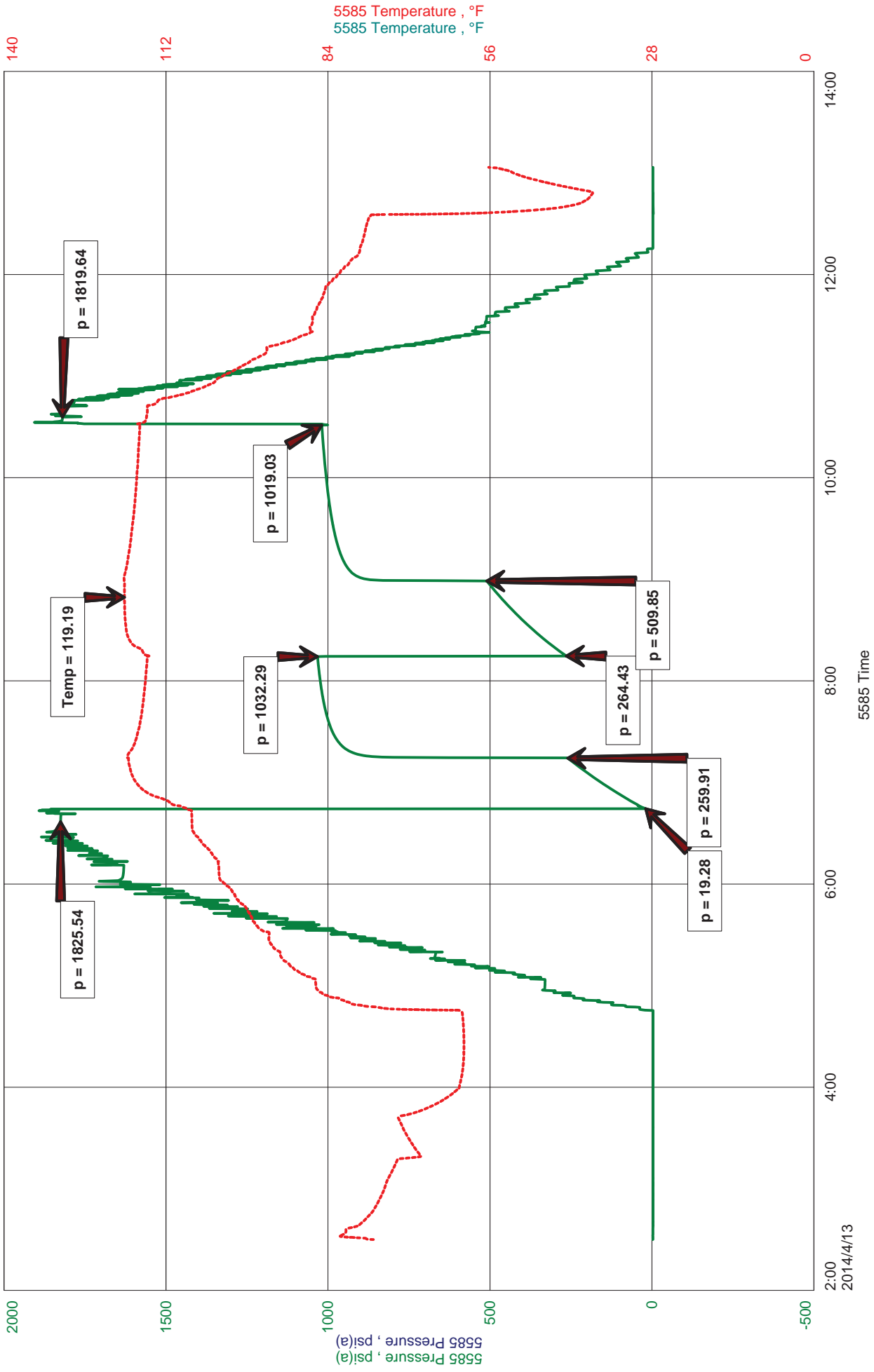


RAYMOND OIL CO INC  
DST1 LANS"C"3882-3934  
Start Test Date: 2014/04/13  
Final Test Date: 2014/04/13

MICHAELIS 2  
Formation: DST1 LANS"C"3882-3934  
Pool: WILDCAT  
Job Number: A039

# 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	A039
Well Name	MICHAELIS 2	Well Operator	RAYMOND OIL CO INC	Representative	ANDY CARREIRA
Unique Well ID	DST1 LANS"C"3882-3934	Report Date	2014/04/13	Prepared By	ANDY CARREIRA
Surface Location	SEC3-14S-32W LOGAN CNTY,KS	Field	WILDCAT	Well Type	Vertical

## Test Information

Test Type	CONVENTIONAL
Formation	DST1 LANS"C"3882-3934
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/04/13	Start Test Time	02:30:00
Final Test Date	2014/04/13	Final Test Time	13:04:00

Gauge Name	5585
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## Test Results

RECOVERY:	1150' MW	CHLORIDES: 45000
		RW: .18 @ 69
		Ph: 7

TOOL SAMPLE: 100% WATER



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: MICHAELIS2DST1

TIME ON: 02:30  
TIME OFF: 13:04

Company RAYMOND OIL CO INC Lease & Well No. MICHAELIS 2  
Contractor LD DRLG Charge to RAYMOND OIL CO INC  
Elevation 2840 KB Formation LANS"C" Effective Pay \_\_\_\_\_ Ft. Ticket No. A039  
Date 4-13-14 Sec. 3 Twp. 14 S Range 32 W County LOGAN State KANSAS  
Test Approved By MAX LOVELY Diamond Representative ANDY CARREIRA

Formation Test No. 1 Interval Tested from 3882 ft. to 3934 ft. Total Depth 3934 ft.  
Packer Depth 3877 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3882 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3863 ft. Recorder Number 5585 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3884 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 3849 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 52 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: BOB IN 6 MIN. (NObb)  
2nd Open: BOB IN 7 MIN. (NObb)

Recovered 1150 ft. of MW  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ CHLORIDES: 45000  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ RW: .18 @ 69  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ Ph: 7

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 100% WATER	Total

Time Set Packer(s) 6:45 AM A.M. P.M. Time Started Off Bottom 10:30 AM A.M. P.M. Maximum Temperature 119  
Initial Hydrostatic Pressure..... (A) 1826 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 260 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1032 P.S.I.  
Final Flow Period..... Minutes 45 (E) 264 P.S.I. to (F) 510 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1019 P.S.I.  
Final Hydrostatic Pressure..... (H) 1820 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.