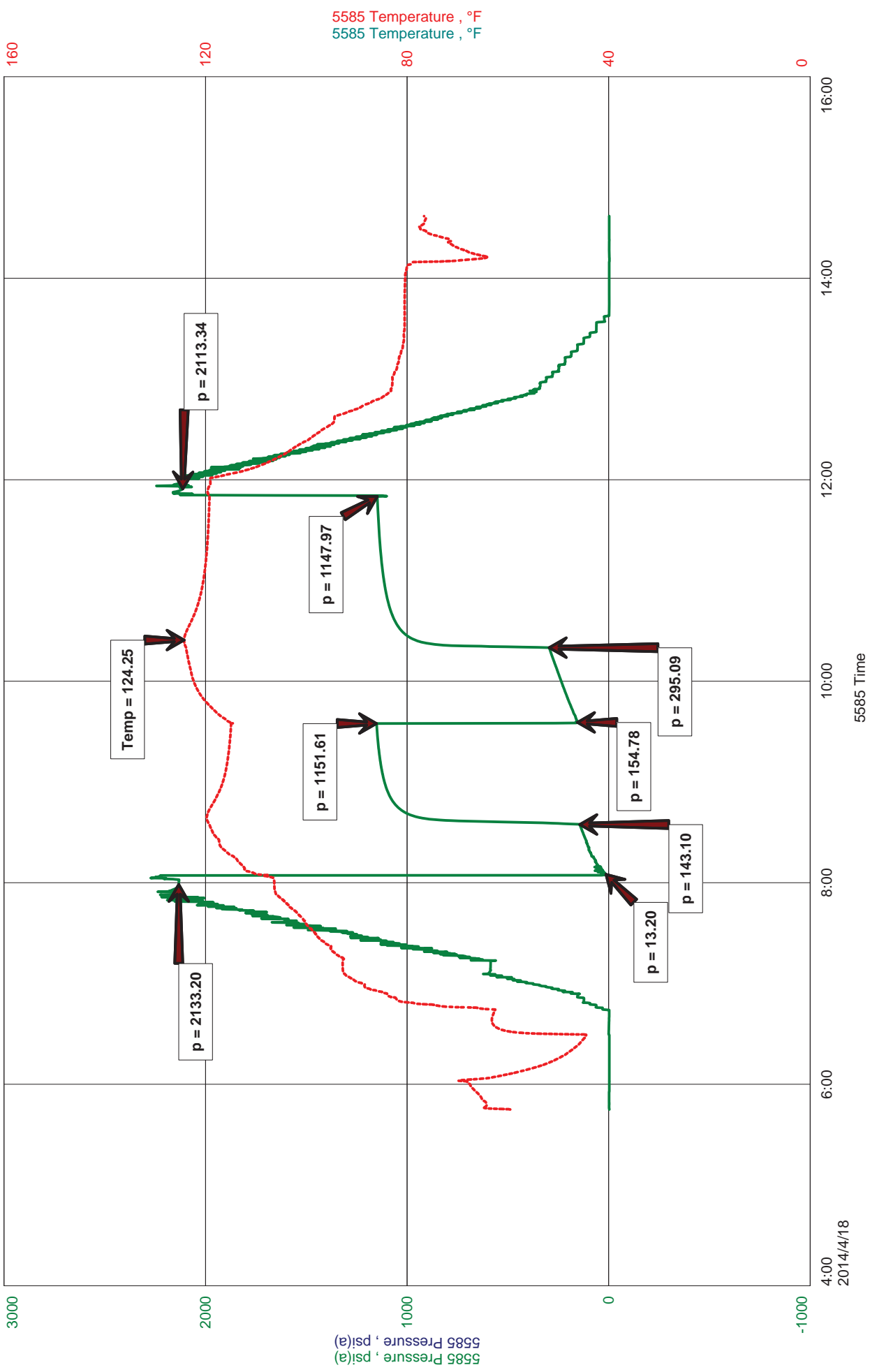


RAYMOMD OIL CO INC  
DST6 MORROW SD 4469-4543  
Start Test Date: 2014/04/18  
Final Test Date: 2014/04/18

MICHAELIS 2  
Formation: DST6 MORROW SD 4469-4543  
Job Number: A044

# MICHAELIS 2



# DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA  
CELL # 620-617-7202

## General Information

Company Name	RAYMOMD OIL CO INC	Contact	TED McHENRY	Job Number	A044
Well Name			MICHAELIS 2	Representative	ANDY CARREIRA
Unique Well ID	DST6 MORROW SD 4469-4543	Well Operator	RAYMOND OIL CO INC	Report Date	2014/04/18
Surface Location	SEC3-14S-32W LOGAN CNTY,KS	Prepared By	ANDY CARREIRA		
Well License Number		Field	WILDCAT		
Well Type			Vertical		

## Test Information

Test Type	CONVENTIONAL
Formation	DST6 MORROW SD 4469-4543
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/04/18	Start Test Time	05:45:00
Final Test Date	2014/04/18	Final Test Time	14:37:00

Gauge Name	5585
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## Test Results

RECOVERY:	706' GIP	GRAVITY: 32 @ 60 deg
	587' CGO 15%G, 85% O	
	126' MCGO 15%G, 65%O, 20%M	
	713' TOTAL FLUID	

TOOL SAMPLE: 100% OIL



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: MICHAELIS2DST6

TIME ON: 05:45  
TIME OFF: 14:37

Company RAYMOND OIL CO INC Lease & Well No. MICHAELIS 2  
Contractor LD DRLG Charge to RAYMOND OIL CO INC  
Elevation 2840 KB Formation MORROW SD Effective Pay \_\_\_\_\_ Ft. Ticket No. A044  
Date 4-18-14 Sec. 3 Twp. 14 S Range 32 W County LOGAN State KANSAS  
Test Approved By MAX LOVELY Diamond Representative ANDY CARREIRA

Formation Test No. 6 Interval Tested from 4469 ft. to 4543 ft. Total Depth 4543 ft.  
Packer Depth 4464 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4469 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4450 ft. Recorder Number 5585 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4471 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 9.5 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 4500 P.P.M. Drill Pipe Length 4436 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 74 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 5 MIN. (BOBbb IN 23 MIN)  
2nd Open: BOB IMMEDIATELY (BOBbb IN 16 MIN)

Recovered 706 ft. of GIP  
Recovered 587 ft. of CGO 15%G, 85%O GRAVITY: 32 @ 60 deg  
Recovered 126 ft. of MCGO 15%G, 65%O, 20%M  
Recovered 713 ft. of TOTAL FLUID

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

Time Set Packer(s) 8:05 AM A.M. P.M. Time Started Off Bottom 11:50 AM A.M. P.M. Maximum Temperature 124

Initial Hydrostatic Pressure..... (A) 2133 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 143 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1152 P.S.I.  
Final Flow Period..... Minutes 45 (E) 155 P.S.I. to (F) 295 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1148 P.S.I.  
Final Hydrostatic Pressure..... (H) 2113 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.