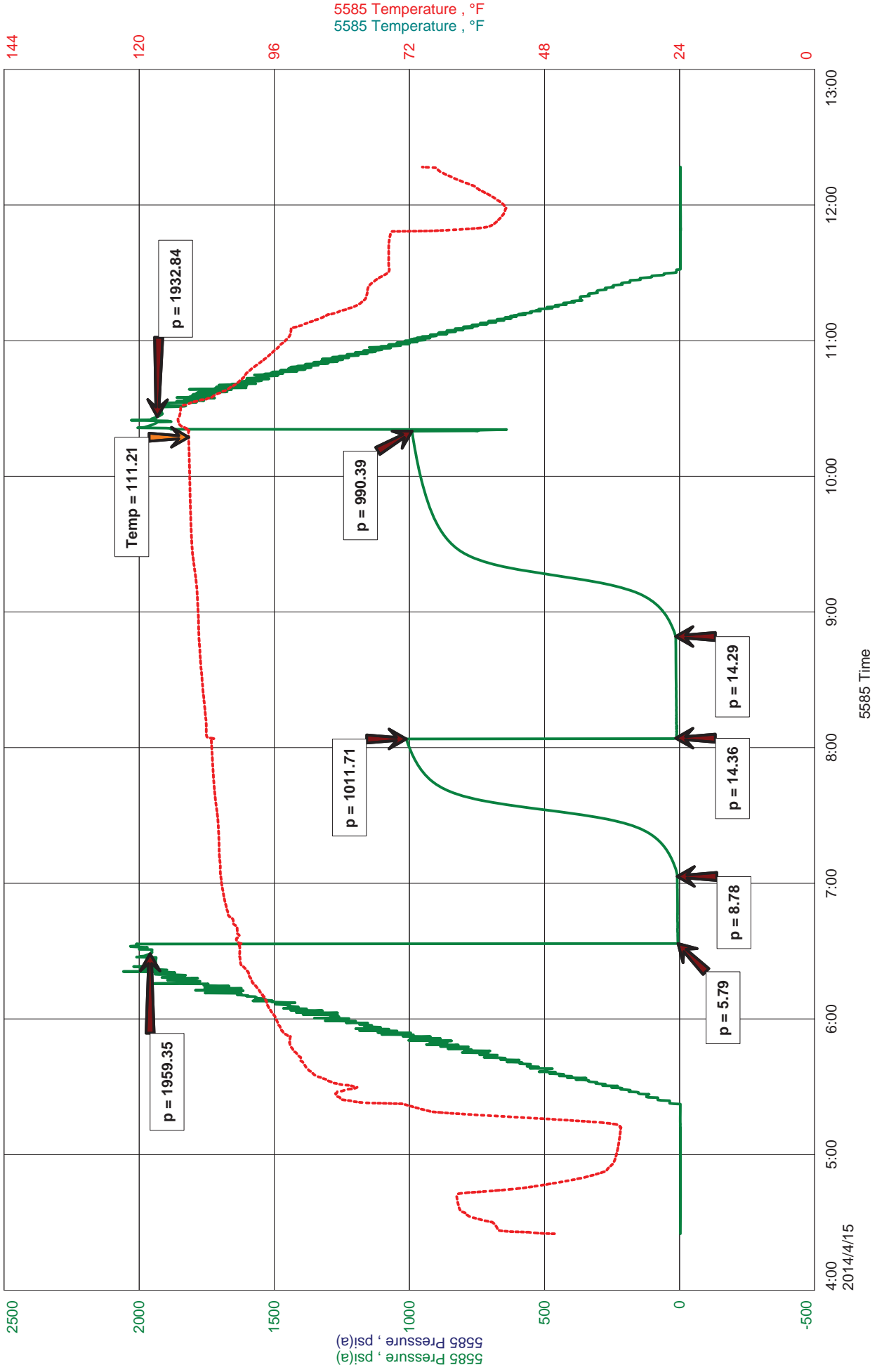


RAYMOND OIL CO INC.
DST3 LANS"220"4145-4165
Start Test Date: 2014/04/15
Final Test Date: 2014/04/15

MICHAELIS 2
Formation: DST3 LANS"220"4145-4165
Pool: WILDCAT
Job Number: A041

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	A041
Well Name	MICHAELIS 2	Well Operator	RAYMOND OIL CO INC	Report Date	2014/04/15
Unique Well ID	DST3 LANS"220"4145-4165	Well Operator	RAYMOND OIL CO INC	Report Date	2014/04/15
Surface Location	SEC3-14S-32W LOGAN CNTY,KS	Report Date	2014/04/15	Prepared By	ANDY CARREIRA
Well License Number		Prepared By	ANDY CARREIRA		
Field	WILDCAT				
Well Type	Vertical				

Test Information

Test Type	CONVENTIONAL
Formation	DST3 LANS"220"4145-4165
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/04/15	Start Test Time	04:25:00
Final Test Date	2014/04/15	Final Test Time	12:17:00

Gauge Name	5585
------------	------

Test Results

RECOVERY:	35' GIP	
	20' CO	
	8' HOCM 20% O, 80%M	
	28' TOTAL FLUID	GRAVITY: 28 @ 60 deg

TOOL SAMPLE: 100% OIL



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: MICHAELIS2DST3

TIME ON: 04:25
 TIME OFF: 12:17

Company RAYMOND OIL CO INC Lease & Well No. MICHAELIS 2
 Contractor LD DRLG Charge to RAYMOND OIL CO INC
 Elevation 2840 KB Formation LANS"220" Effective Pay _____ Ft. Ticket No. A041
 Date 4-15-14 Sec. 3 Twp. 14 S Range 32 W County LOGAN State KANSAS
 Test Approved By MAX LOVELY Diamond Representative ANDY CARREIRA

Formation Test No. 3 Interval Tested from 4145 ft. to 4165 ft. Total Depth 4165 ft.
 Packer Depth 4140 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4145 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4126 ft. Recorder Number 5585 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 4167 ft. Recorder Number 8471 Cap. 10000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 4500 P.P.M. Drill Pipe Length 4112 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 20 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 BUILT TO 4" (NObb)
 2nd Open: BLOW BUILT TO 4.5" (SURFACEbb)

Recovered 35 ft. of GIP
 Recovered 20 ft. of CO GRAVITY: 28 @ 60 deg
 Recovered 8 ft. of HOCM 20%O, 80%M
 Recovered 28 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) 6:34 AM A.M. P.M. Time Started Off Bottom 10:19 AM A.M. P.M. Maximum Temperature 111
 Initial Hydrostatic Pressure..... (A) 1959 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 6 P.S.I. to (C) 9 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 1012 P.S.I.
 Final Flow Period..... Minutes 45 (E) 14 P.S.I. to (F) 14 P.S.I.
 Final Closed In Period..... Minutes 90 (G) 990 P.S.I.
 Final Hydrostatic Pressure..... (H) 1933 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.