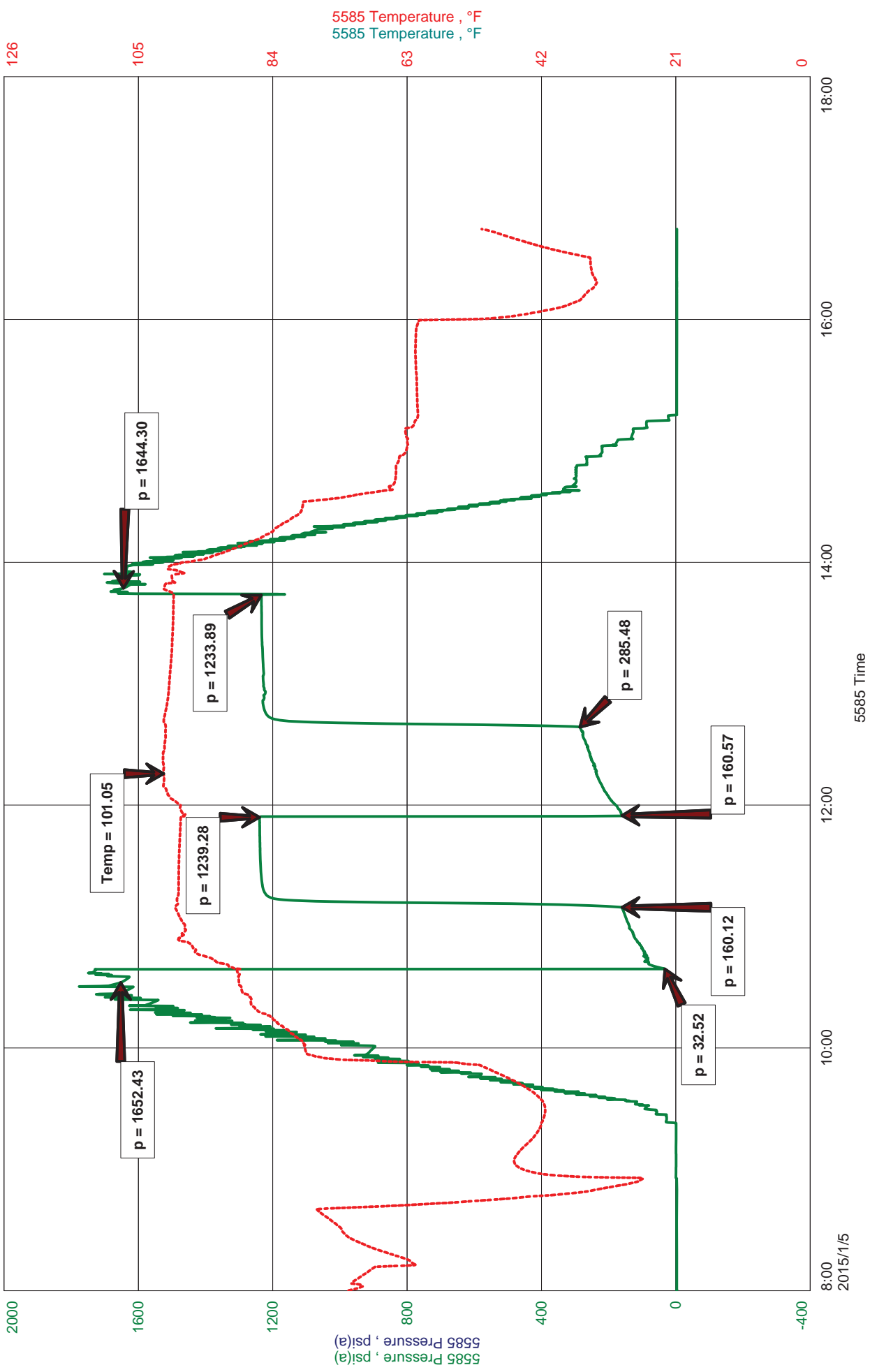


LD DRILLING INC  
DST4 SIMPSON-ARBUCKLE 3481-3575  
Start Test Date: 2015/01/05  
Final Test Date: 2015/01/05

McCRARY 9  
Formation: DST4 SIMPSON-ARBUCKLE 3481-3575  
Pool: WILDCAT  
Job Number: A142

# McCRARY 9



# DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA  
CELL # 620-617-7202

## General Information

Company Name	LD DRILLING INC	LD DAVIS	Job Number	A142
Contact		McCRARY 9	Representative	ANDY CARREIRA
Well Name		3481-3575	Well Operator	LD DRILLING INC
Unique Well ID	DST4 SIMPSON-ARBUCKLE		Report Date	2015/01/05
Surface Location	SEC 19-21S-12W STAFFORD CNTY,KS		Prepared By	ANDY CARREIRA
Well License Number				
Field		WILDCAT		
Well Type		Vertical		

## Test Information

Test Type	CONVENTIONAL
Formation	DST4 SIMPSON-ARBUCKLE 3481-3575
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2015/01/05	Start Test Time	08:00:00
Final Test Date	2015/01/05	Final Test Time	16:45:00

Gauge Name	5585
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## Test Results

RECOVERY: 1764' GIP  
25' SOSGM 20%G,LESS THAN 1%OIL,80%M  
126' HOCGM 20%G,25%O,55%M  
189' HOCGWM 20%G,40%O,10%W,30%M  
315' HOCGWM 20%G,60%O,10%W,10%M  
655' TOTAL FLUID

TOOL SAMPLE: 60%O,10%W,30%M



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: McCRARY 9 DST4

TIME ON: 08:00  
TIME OFF: 16:45

Company LD DRILLING INC Lease & Well No. McCRARY 9  
Contractor PETROMARK 2 Charge to LD DRILLING INC  
Elevation 1865 GL EST Formation SIMPSON-ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. A142  
Date 1-5-15 Sec. 19 Twp. \_\_\_\_\_ 21 S Range \_\_\_\_\_ 12 W County STAFFORD State KANSAS  
Test Approved By KURT TALBOTT Diamond Representative ANDY CARREIRA

Formation Test No. 4 Interval Tested from 3481 ft. to 3575 ft. Total Depth 3575 ft.  
Packer Depth 3476 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3481 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 3469 ft. Recorder Number 5585 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3483 ft. Recorder Number 8471 Cap. 10000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length 123.11 ft. I.D. 2 1/4 in.  
Weight 9.8 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 6000 P.P.M. Drill Pipe Length 3332.89 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number N/A Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 94 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 4 MIN. (3"bb)  
2nd Open: BOB IN 5 MIN. (1/2"bb)

Recovered <u>1764</u> ft. of <u>GIP</u>	
Recovered <u>25</u> ft. of <u>SOSGM 20%G, LESS THAN 1%OIL, 80%M</u>	
Recovered <u>126</u> ft. of <u>HOCGM 20%G, 25%O, 55%M</u>	
Recovered <u>189</u> ft. of <u>HOCGWM 20%G, 40%O, 10%W, 30%M</u>	
Recovered <u>315</u> ft. of <u>HOCGWM 20%G, 60%O, 10%W, 10%M</u>	Price Job
Recovered <u>655</u> ft. of <u>TOTAL FLUID</u>	Other Charges
Remarks: _____	Insurance
<u>TOOL SAMPLE: 60%OIL, 10%WATER, 30%MUD</u>	Total

Time Set Packer(s) 10:39 AM A.M. P.M. Time Started Off Bottom 1:39 AM A.M. P.M. Maximum Temperature 101

Initial Hydrostatic Pressure..... (A) 1652 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 33 P.S.I. to (C) 160 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1239 P.S.I.  
Final Flow Period..... Minutes 45 (E) 161 P.S.I. to (F) 285 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1234 P.S.I.  
Final Hydrostatic Pressure..... (H) 1644 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.