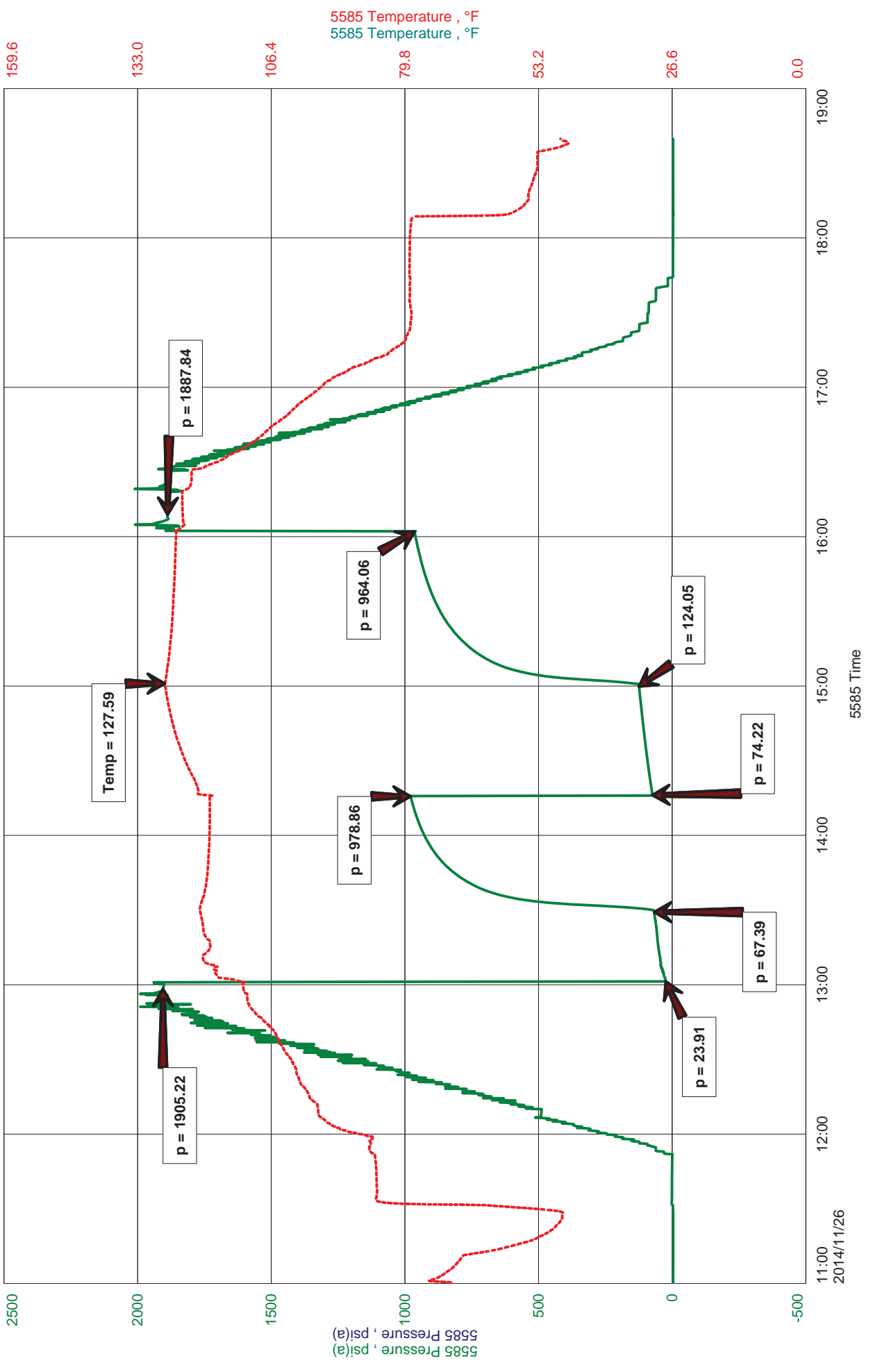


LARRY 2-31
 Formation: DST3 MARM-PAWNEE 4000-4147
 Pool: WILDCAT
 Job Number: A125

L D DRILLING INC
 DST3 MARM-PAWNEE 4000-4147
 Start Test Date: 2014/11/26
 Final Test Date: 2014/11/26

LARRY 2-31



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

| | | | | |
|---------------------|-----------------------------|------------|----------------|------------------|
| Company Name | L D DRILLING INC | L D DAVIS | Job Number | A125 |
| Contact | | LARRY 2-31 | Representative | ANDY CARREIRA |
| Well Name | | | Well Operator | L D DRILLING INC |
| Unique Well ID | DST3 MARM-PAWNEE 4000-4147 | | Report Date | 2014/11/26 |
| Surface Location | SEC 31-14S-29W GOVE CNTY,KS | | Prepared By | ANDY CARREIRA |
| Well License Number | | | | |
| Field | | WILDCAT | | |
| Well Type | | Vertical | | |

Test Information

| | |
|-----------------|----------------------------|
| Test Type | CONVENTIONAL |
| Formation | DST3 MARM-PAWNEE 4000-4147 |
| Well Fluid Type | 01 Oil |
| Test Purpose | Initial Test |

| | | | |
|-----------------|------------|-----------------|----------|
| Start Test Date | 2014/11/26 | Start Test Time | 11:00:00 |
| Final Test Date | 2014/11/26 | Final Test Time | 18:40:00 |

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

Test Results

| | | |
|-----------|-------------------------------------|-------------------|
| RECOVERY: | 124' GIP | GRAVITY = 38 |
| | 3' CO | CHLORIDES = 53000 |
| | 63' GOCWM 5%G, 15%O, 10%W, 70%M | RW = .25 @ 75 |
| | 63' GOCWM 5%G, 5%O, 40%W, 50%M | PH = 6 |
| | 126' OSMW LESS THAN 1%O, 80%W, 20%M | |
| | 255' TOTAL FLUID | |

TOOL SAMPLE: LESS THAN 1% OIL, WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LARRY 2-31 DST3

TIME ON: 11:00
TIME OFF: 18:40

Company L D DRILLING INC Lease & Well No. LARRY 2-31
Contractor L D RIG Charge to L D DRILLING INC
Elevation 2628 KB Formation MARM-PAWNEE Effective Pay _____ Ft. Ticket No. A125
Date 11-26-14 Sec. 31 Twp. 14 S Range 29 W County GOVE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative ANDY CARREIRA

Formation Test No. 3 Interval Tested from 4000 ft. to 4147 ft. Total Depth 4147 ft.
Packer Depth 3995 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4000 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3986 ft. Recorder Number 5585 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4002 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 9.2 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2600 P.P.M. Drill Pipe Length 3973 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 09 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 147 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: 9" BLOW IN 30 MIN. (NObb)
2nd Open: BOB IN 30 MIN. (NObb)

| | |
|---|-------------------|
| Recovered <u>124</u> ft. of <u>GIP</u> | |
| Recovered <u>3</u> ft. of <u>CO</u> | GRAVITY = 38 |
| Recovered <u>63</u> ft. of <u>GOCWM 5%G, 15%O, 10%W, 70%M</u> | CHLORIDES = 53000 |
| Recovered <u>63</u> ft. of <u>GOCWM 5%G, 5%O, 40%W, 50%M</u> | RW = .25 @ 75 |
| Recovered <u>126</u> ft. of <u>OSMW LESS THAN 1%W, 80%W, 20%M</u> | PH = 6 |
| Recovered <u>255</u> ft. of <u>TOTAL FLUID</u> | Price Job |
| Remarks: _____ | Other Charges |
| TOOL SAMPLE: LESS THAN 1% OIL, WATER | Insurance |
| | Total |

Time Set Packer(s) 1:00 PM A.M. P.M. Time Started Off Bottom 4:00 PM A.M. P.M. Maximum Temperature 128
Initial Hydrostatic Pressure..... (A) 1905 P.S.I.
Initial Flow Period..... Minutes 30 (B) 24 P.S.I. to (C) 67 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 979 P.S.I.
Final Flow Period..... Minutes 45 (E) 74 P.S.I. to (F) 124 P.S.I.
Final Closed In Period..... Minutes 60 (G) 964 P.S.I.
Final Hydrostatic Pressure..... (H) 1888 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.