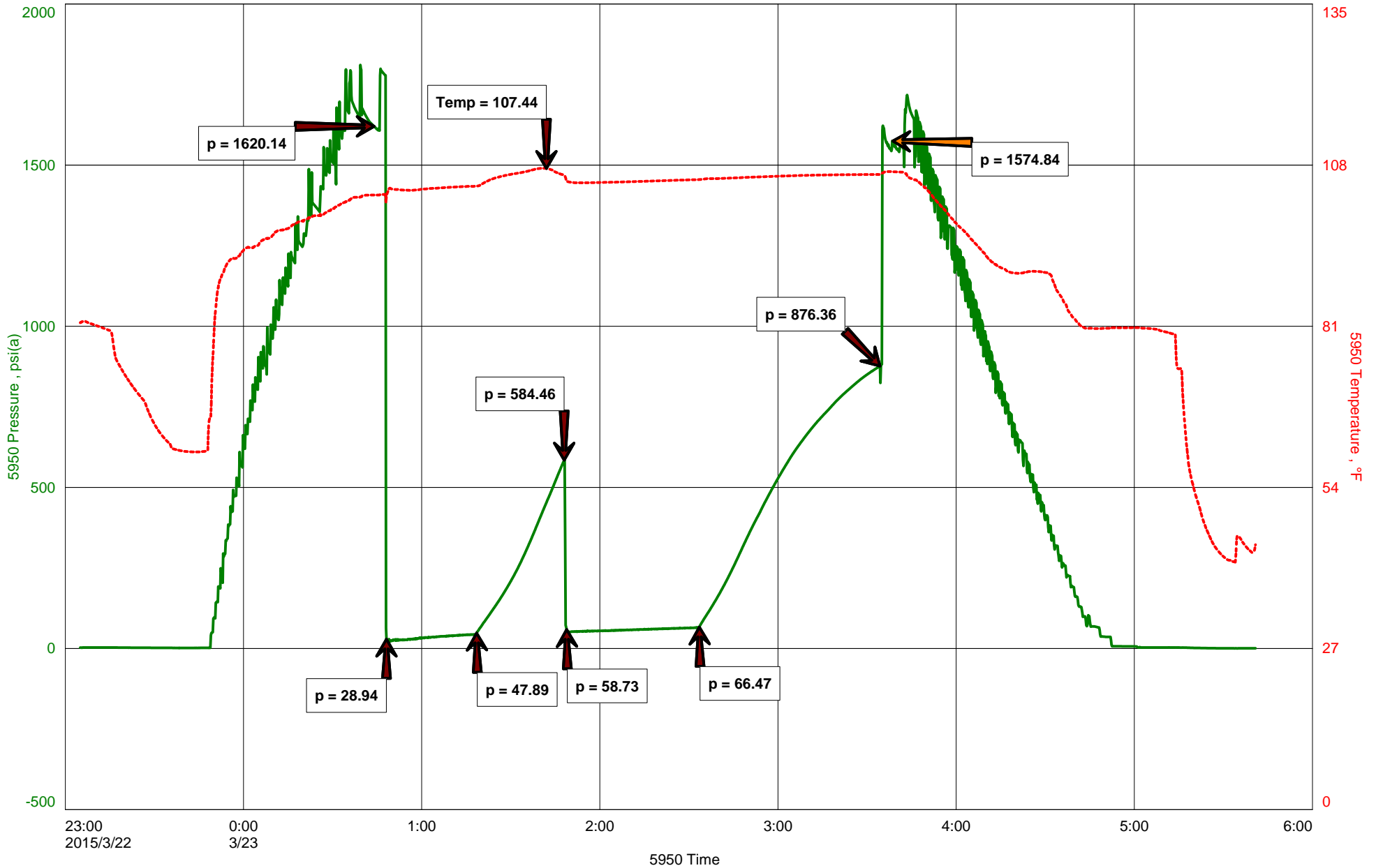


L.B. Exploration
Dst #3 Lower Lans/Conglomerate Sand 3420-3511'
Start Test Date: 2015/03/23
Final Test Date: 2015/03/23

Otte #1
Formation: Dst #3 Lower Lans/Conglomerate Sand 3420-3511'
Pool: Wildcat
Job Number: P0063

Otte #1





Michael Carroll
 620-617-0368
 carroll.dtlc@gmail.com

Hoisington, Kansas

General Information

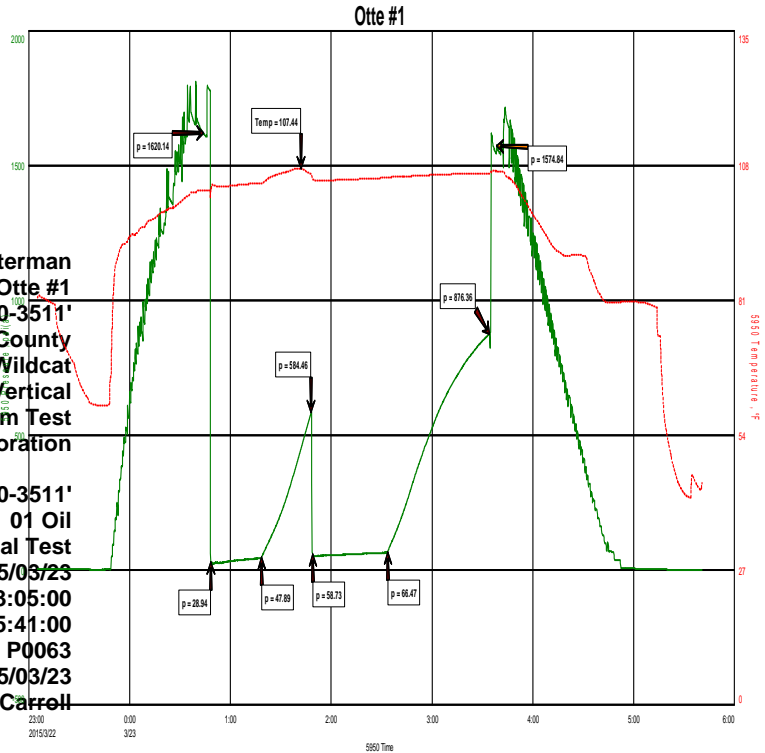
Company Name L.B. Exploration

Contact
 Well Name
 Unique Well ID
 Surface Location
 Field
 Well Type
 Test Type
 Well Operator

Michael Peterman
 Otte #1
 Dst #3 Lower Lans/Conglomerate Sand 3420-3511'
 Sec15-19s-14w Barton County
 Wildcat
 Vertical
 Drill Stem Test
 L.B. Exploration

Formation
 Well Fluid Type
 Test Purpose
 Start Test Date
 Start Test Time
 Final Test Time
 Job Number
 Report Date
 Prepared By

Dst #3 Lower Lans/Conglomerate Sand 3420-3511'
 01 Oil
 Initial Test
 2015/03/23
 23:05:00
 05:41:00
 P0063
 2015/03/23
 Michael Carroll



TEST RECOVERY

| | | | | | | | |
|---------|---------------------|-------|-------------|------|------|------|------|
| Remarks | Recovery: | 1380' | Gas In Pipe | | | | |
| | | 16' | OCSLWCM | 5%O | 2%W | 93%M | |
| | | 53' | GMWCO | 20%G | 40%O | 20%W | 20%M |
| | | 63' | GMWCO | 15%G | 55%O | 17%W | 13%M |
| | Total Fluid: | 132' | | | | | |
| | Tool Sample: | 60%O | 22%W | 18%M | | | |
| | RW .32 @ 45 Degrees | | | | | | |
| | PH 7 | | | | | | |
| | Chlorides 33000 PPM | | | | | | |



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Otte#1Dst#3

TIME ON: 2305 3-22
TIME OFF: 0541 3-23

Company L.B. Exploration Lease & Well No. Otte #1
Contractor Ninnescah Drilling Charge to L.B. Exploration
Elevation 1876GL Formation Lower Lans/Conglomerate Sand Effective Pay _____ Ft. Ticket No. P0063
Date 3-23-15 Sec. 15 Twp. _____ 19 S Range _____ 14 W County _____ Barton State KANSAS
Test Approved By Jim Musgrove Diamond Representative _____ Michael Carroll

Formation Test No. 3 Interval Tested from 3420 ft. to 3511 ft. Total Depth 3511 ft.
Packer Depth 3415 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3420 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3408 ft. Recorder Number _____ 5950 Cap. _____ 5000 P.S.I.
Bottom Recorder Depth (Outside) 3488 ft. Recorder Number _____ 0230 Cap. _____ 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 60 Drill Collar Length _____ 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length _____ 0 ft. I.D. 2 7/8 in.
Chlorides 5000 P.P.M. Drill Pipe Length 3393 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number na Test Tool Length 27 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 91(27a) 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: 1" BLOW-BUILT TO BOB IN 2 MINUTES 45 SECONDS NOBB
2nd Open: 3" BLOW-BUILT TO BOB IN 30 SECONDS NOBB

Recovered 1380 ft. of GAS IN PIPE RW .32 @ 45 DEGREES
Recovered 16 ft. of OCSLWCM 5%O 2%W 93%M PH 7
Recovered 53 ft. of GMWCO 20%G 40%O 20%W 20%M CHLORIDES 33000 PPM
Recovered 63 ft. of GMWCO 15%G 55%O 17%W 13%M

| | |
|--|---------------|
| Recovered <u>132</u> ft. of <u>TOTAL FLUID</u> | Price Job |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____ | Insurance |
| TOOL SAMPLE: 60%O 22%W 18%M | Total |

Time Set Packer(s) 12:45A.M. A.M. Time Started Off Bottom 3:30A.M. P.M. Maximum Temperature 107

Initial Hydrostatic Pressure..... (A) 1620 P.S.I.
Initial Flow Period..... Minutes 30 (B) 29 P.S.I. to (C) 48 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 584 P.S.I.
Final Flow Period..... Minutes 45 (E) 59 P.S.I. to (F) 66 P.S.I.
Final Closed In Period..... Minutes 60 (G) 876 P.S.I.
Final Hydrostatic Pressure..... (H) 1575 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.