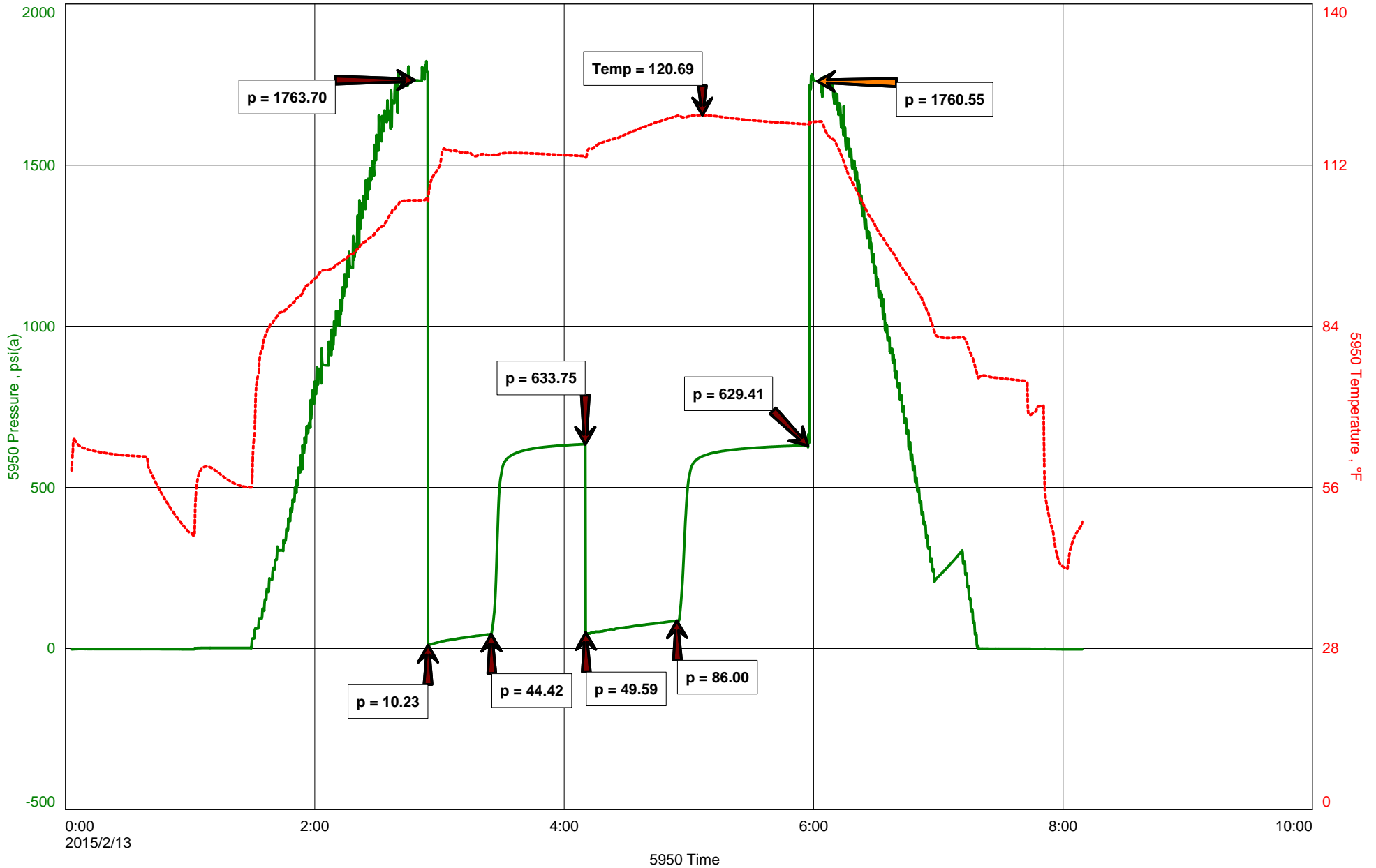


Darrel #3-31





Hoisington, Kansas

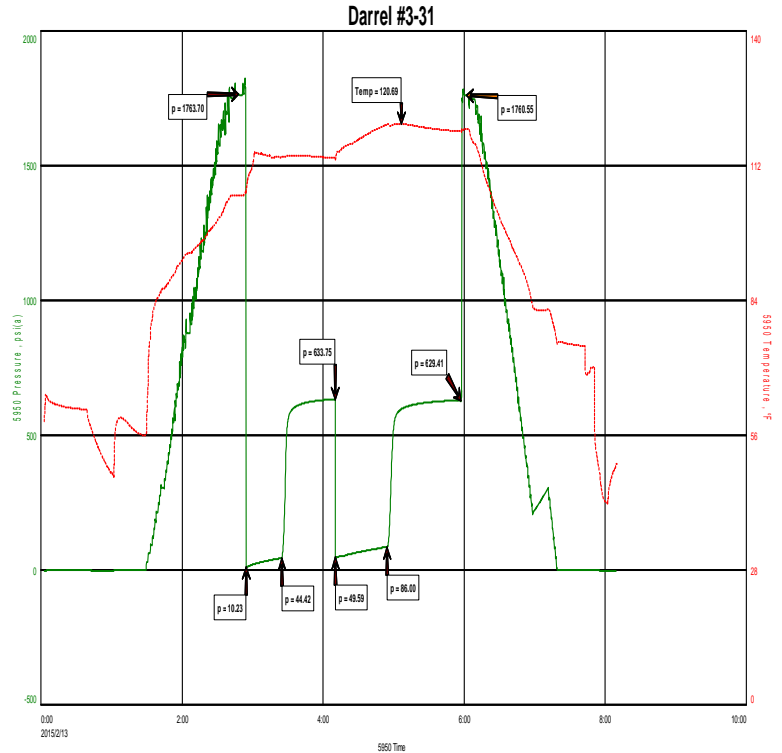
Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

General Information

Company Name L.D. Drilling Inc

Contact L.D. Davis
Well Name Darrel #3-31
Unique Well ID Dst #2 Lans 'B' 3760-3780'
Surface Location Sec31-14s-29w Gove County
Field Lundgren
Well Type Vertical
Test Type Drill Stem Test
Well Operator L.D. Drilling Inc

Formation Dst #2 Lans 'B' 3760-3780'
Well Fluid Type 01 Oil
Test Purpose Initial Test
Start Test Date 2015/02/13
Start Test Time 00:03:00
Final Test Time 08:09:00
Job Number P0049
Report Date 2015/02/13
Prepared By Michael Carroll



TEST RECOVERY

Remarks	Remarks:	389'	GIP				
		45'	CLEAN OIL				
		7'	WCO	95%O	5%M		
		78'	MWGCO	10%G	65%O	10%W	15%M
		48'	OCWM	10%O	50%W	40%M	

Total Fluid: 178'
Tool Sample: 53%O 18%W 29%M

Gravity: 36.5 @ 60 Degrees
RW .24 @ 35 Degrees
PH 7
Chlorides 53000 PPM



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Darrel#3-31Dst#2

TIME ON: 0003
TIME OFF: 0809

Company L.D. Drilling Inc Lease & Well No. Darrel #3-31
Contractor L.D. Drilling Charge to L.D. Drilling Inc
Elevation 2699KB Formation Lans 'B' Effective Pay _____ Ft. Ticket No. P0049
Date 2-13-15 Sec. 31 Twp. 14 S Range 29 W County Gove State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Michael Carroll

Formation Test No. 2 Interval Tested from 3760 ft. to 3780 ft. Total Depth 3780 ft.
Packer Depth 3755 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3760 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3745 ft. Recorder Number 5950 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3764 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 46 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1900 P.P.M. Drill Pipe Length 3732 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number na Test Tool Length 28 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: 1/2" BLOW-BUILT TO BOB IN 16 MINUTES 15 SECONDS 1/4" BB
2nd Open: 3/4" BLOW-BUILT TO BOB IN 14 MINUTES 10 SECONDS 1" BB

Recovered <u>389</u> ft. of <u>GAS IN PIPE</u>	<u>GRAVITY 36.5 @ 60 DEGREES</u>
Recovered <u>45</u> ft. of <u>CLEAN OIL</u>	<u>RW .24 @ 35 DEGREES</u>
Recovered <u>7</u> ft. of <u>WCO 95%O 5%W</u>	<u>PH 7</u>
Recovered <u>78</u> ft. of <u>MWCGO 10%G 65%O 10%W 15%M</u>	<u>CHLORIDES 53000 PPM</u>
Recovered <u>48</u> ft. of <u>OCWM 10%O 50%W 40%M</u>	Price Job
Recovered <u>178</u> ft. of <u>TOTAL FLUID</u>	Other Charges
Remarks: _____	Insurance
<u>TOOL SAMPLE: 53%O 18%W 29%M</u>	Total

Time Set Packer(s) 2:52 A.M. A.M. Time Started Off Bottom 5:52 A.M. P.M. Maximum Temperature 121

Initial Hydrostatic Pressure..... (A) 1764 P.S.I.
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 44 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 634 P.S.I.
Final Flow Period..... Minutes 45 (E) 50 P.S.I. to (F) 86 P.S.I.
Final Closed In Period..... Minutes 60 (G) 629 P.S.I.
Final Hydrostatic Pressure..... (H) 1761 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.