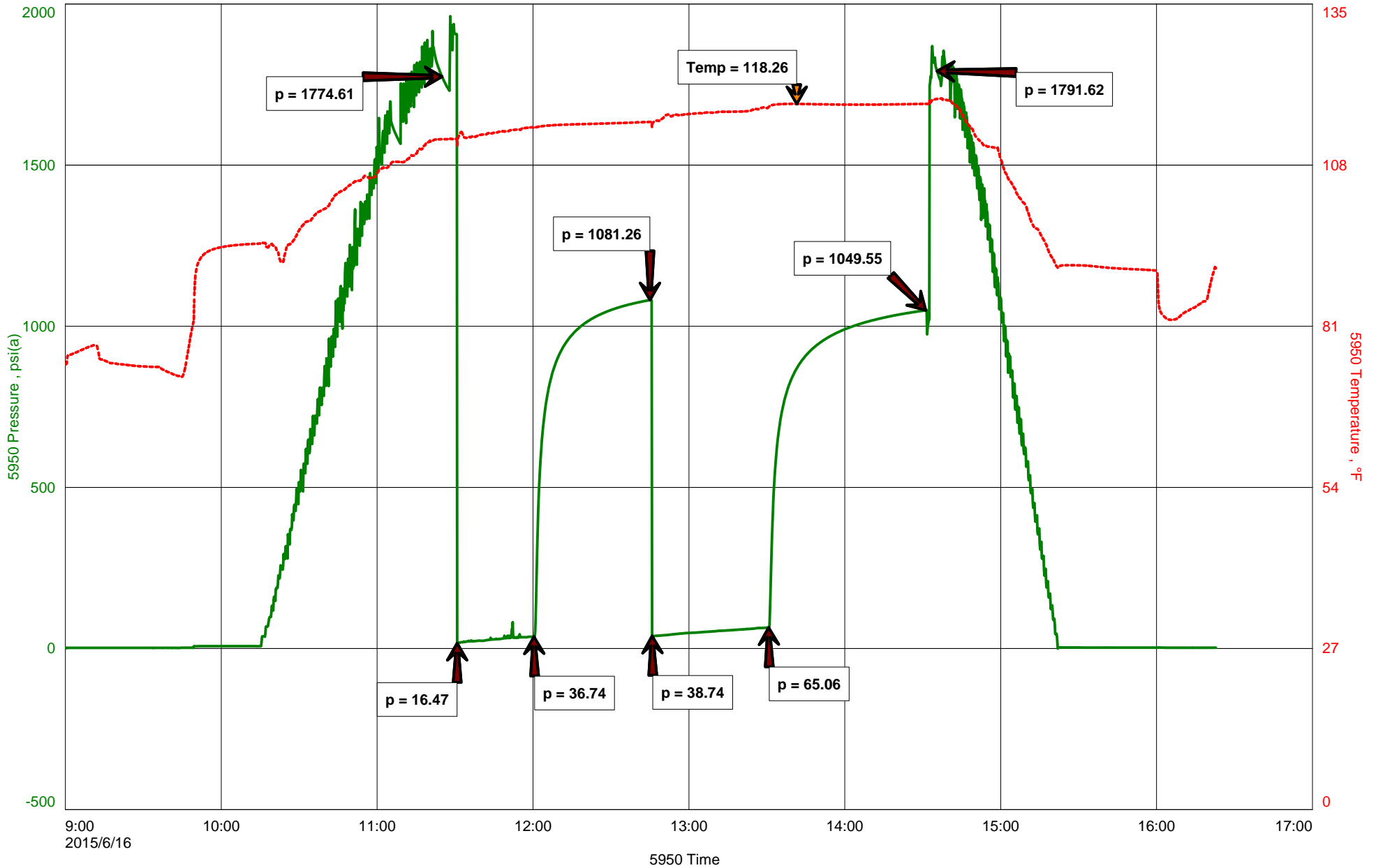


Howard #1-21





Hoisington, Kansas

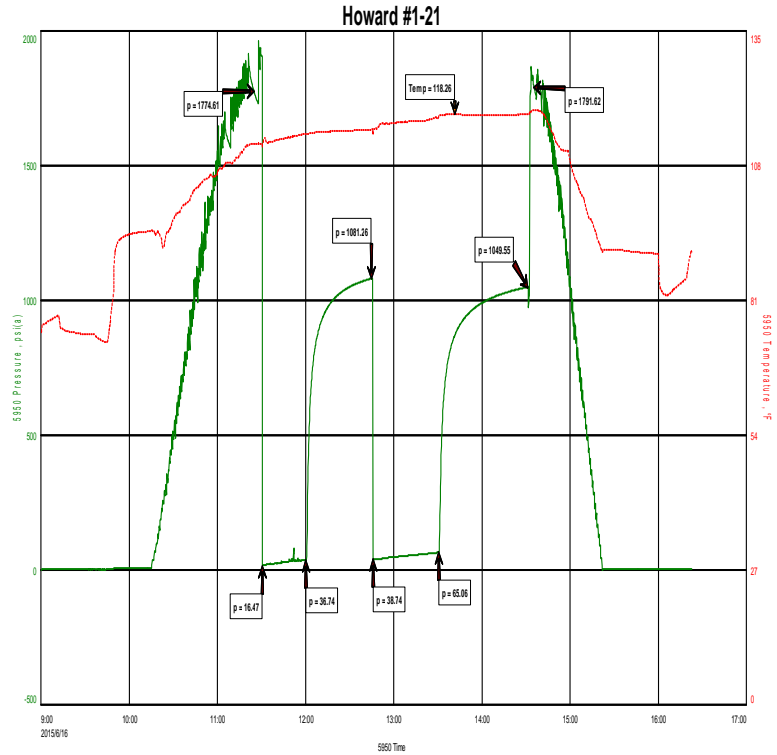
Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

General Information

Company Name L.D. Drilling Inc

Contact	L.D. Davis
Well Name	Howard #1-21
Unique Well ID	Dst #1 Wabaunsee 3902-4000'
Surface Location	Sec21-6s-36w Thomas County
Field	NA
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	L.D. Drilling Inc

Formation	Dst #1 Wabaunsee 3902-4000'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2015/06/16
Start Test Time	09:00:00
Final Test Time	16:22:00
Job Number	P0079
Report Date	2015/06/16
Prepared By	Michael Carroll



TEST RECOVERY

Remarks	Recovery:	1'	Clean Oil			
		110'	OCWM	3%O	26%W	71%M
	Total Fluid:	111'				
	Tool Sample:	6%O	24%W	70%M		
	Chlorides	18000 PPM				
	RW	.36 @ 85 Degrees				
	PH	8				



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HOWARD1-21DST#1

TIME ON: 0900
TIME OFF: 1622

Company L.D. Drilling Inc Lease & Well No. Howard #1-21
Contractor L.D. Drilling Charge to L.D. Drilling Inc
Elevation 3385KB Formation Wabaunsee Effective Pay _____ Ft. Ticket No. P0079
Date 6-16-15 Sec. 21 Twp. 6 S Range 36 W County Thomas State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Michael Carroll

Formation Test No. 1 Interval Tested from 3902 ft. to 4000 ft. Total Depth 4000 ft.
Packer Depth 3897 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3902 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3887 ft. Recorder Number 5950 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3971 ft. Recorder Number 0230 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 65 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3000 P.P.M. Drill Pipe Length 3869 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 11 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 98(34.5a) 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: 1/4" BLOW-BUILT TO 5" IN 30 MINUTES **WSBB**
2nd Open: WSB-BUILT TO 5" IN 45 MINUTES **WSBB**

Recovered 1 ft. of CLEAN OIL CHLORIDES 18000 PPM
Recovered 110 ft. of OCWM 3%O 26%W 71%M RW .36 @ 85 DEGREES
Recovered 111 ft. of TOTAL FLUID PH 8

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	
TOOL SAMPLE: <u>6%O 24%W 70%M</u>	Total

Time Set Packer(s) 11:30A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 2:30P.M. ^{A.M.}/_{P.M.} Maximum Temperature 118

Initial Hydrostatic Pressure..... (A) 1775 P.S.I.
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 37 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1081 P.S.I.
Final Flow Period..... Minutes 45 (E) 39 P.S.I. to (F) 65 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1050 P.S.I.
Final Hydrostatic Pressure..... (H) 1792 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.