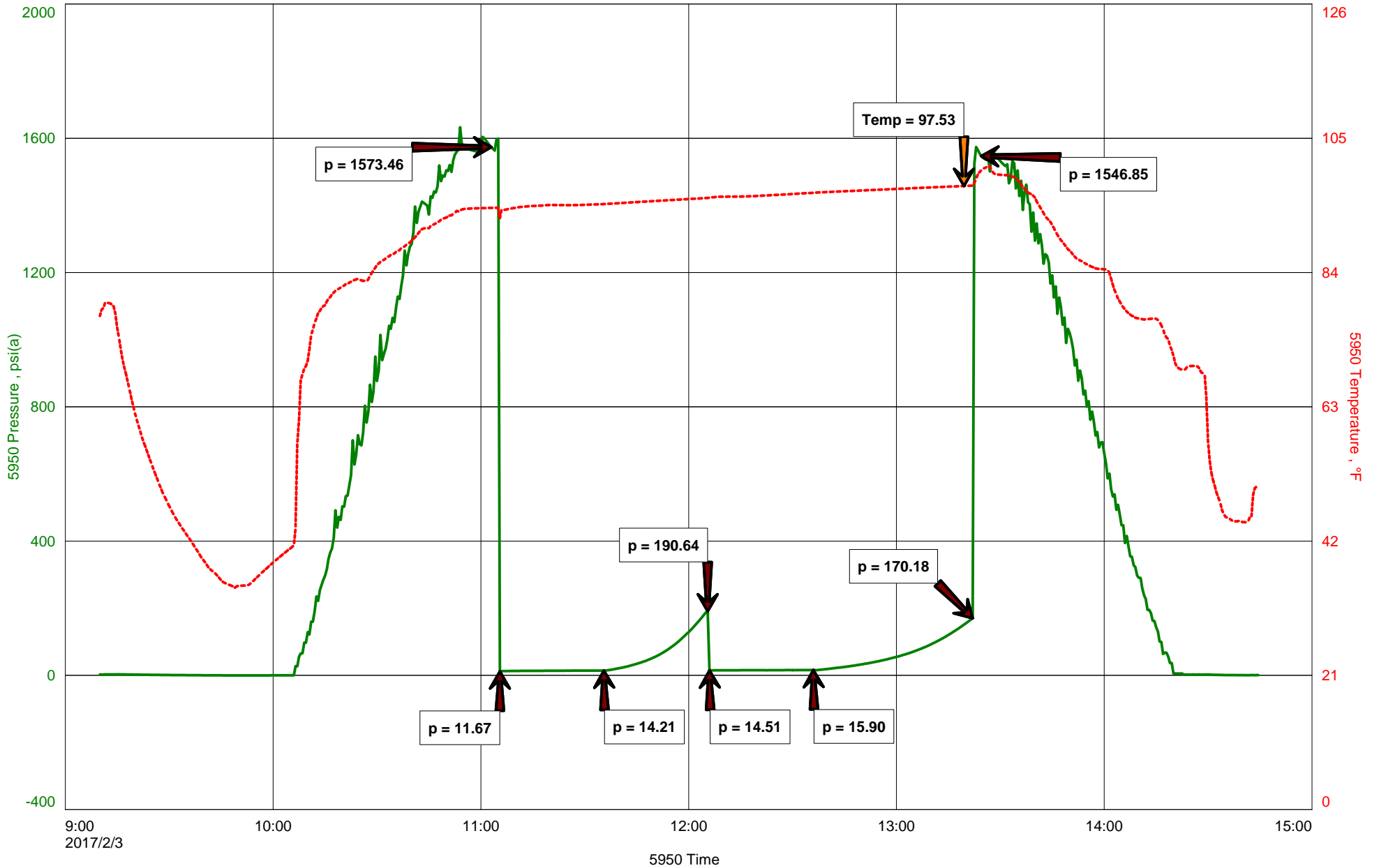


# Herrman #2





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

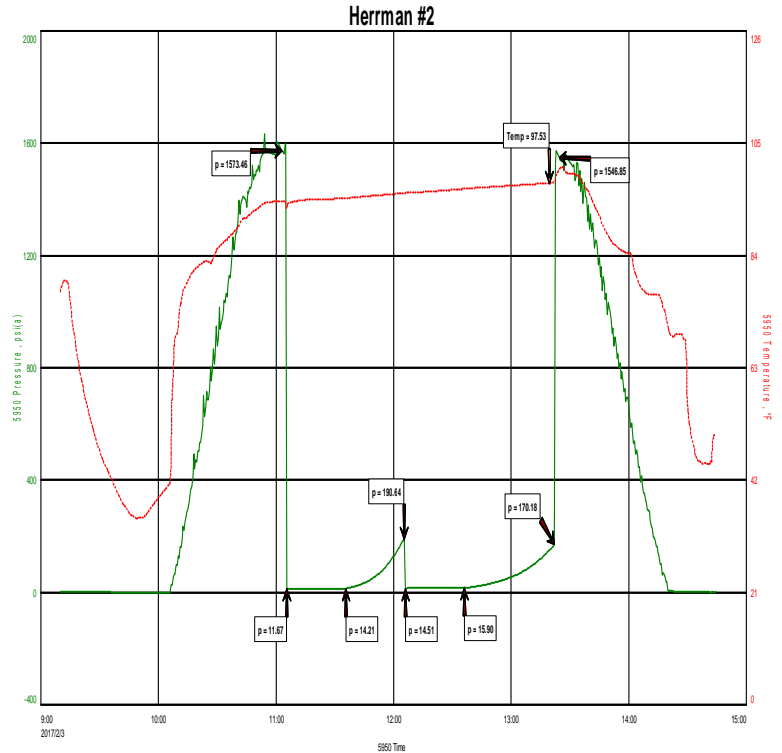
**Hoisington, Kansas**

**General Information**

Company Name H&D Exploration LLC

Contact	Mitch Driscoll
Well Name	Herrman #2
Unique Well ID	Dst #1 Lans A-F 3200-3277'
Surface Location	Sec 8-19s-13w Barton County
Field	Walnut Creek
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	H&D Exploration LLC

Formation	Dst #1 Lans A-F 3200-3277'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2017/02/03
Start Test Time	09:10:00
Final Test Time	14:45:00
Job Number	P0157
Report Date	2017/02/03
Prepared By	Michael Carroll



**TEST RECOVERY**

Remarks	Recovery:	8'	SLOCM 1%O	99%M
	Total Fluid:	8'		
	Tool Sample:	2%O	98%M	



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: HERRMAN#2DST#1

TIME ON: 0910  
TIME OFF: 1445

Company H&D EXPLORATION LLC Lease & Well No. HERRMAN #2  
Contractor SOUTHWIND DRILLING RIG 3 Charge to H&D EXPLORATION LLC  
Elevation 1856 SUR Formation LAN A-F Effective Pay \_\_\_\_\_ Ft. Ticket No. P0157  
Date 2-3-17 Sec. 8 Twp. \_\_\_\_\_ 19 S Range \_\_\_\_\_ 13 W County BARTON State KANSAS  
Test Approved By JIM MUSGROVE Diamond Representative Michael Carroll

Formation Test No. 1 Interval Tested from 3200 ft. to 3277 ft. Total Depth 3277 ft.  
Packer Depth 3195 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3200 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3188 ft. Recorder Number 5950 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3267 ft. Recorder Number 0230 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 77 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 8.8 Water Loss 4.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 2000 P.P.M. Drill Pipe Length 3175 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 77(15A) 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: WSB-BUILT TO 1/2" IN 30 MINUTES NOBB  
2nd Open: WSB-BUILT TO 1/4" IN 30 MINUTES NOBB

Recovered 8 ft. of SLOCM 1%O 99%M  
Recovered 8 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOOL SAMPLE:2%O 98%M</u>	Insurance
_____	Total

Time Set Packer(s) 11:05 A.M. A.M. P.M. Time Started Off Bottom 1:20 P.M. A.M. P.M. Maximum Temperature 98

Initial Hydrostatic Pressure..... (A) 1573 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 12 P.S.I. to (C) 14 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 191 P.S.I.  
Final Flow Period..... Minutes 30 (E) 15 P.S.I. to (F) 16 P.S.I.  
Final Closed In Period..... Minutes 45 (G) 170 P.S.I.  
Final Hydrostatic Pressure..... (H) 1547 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.