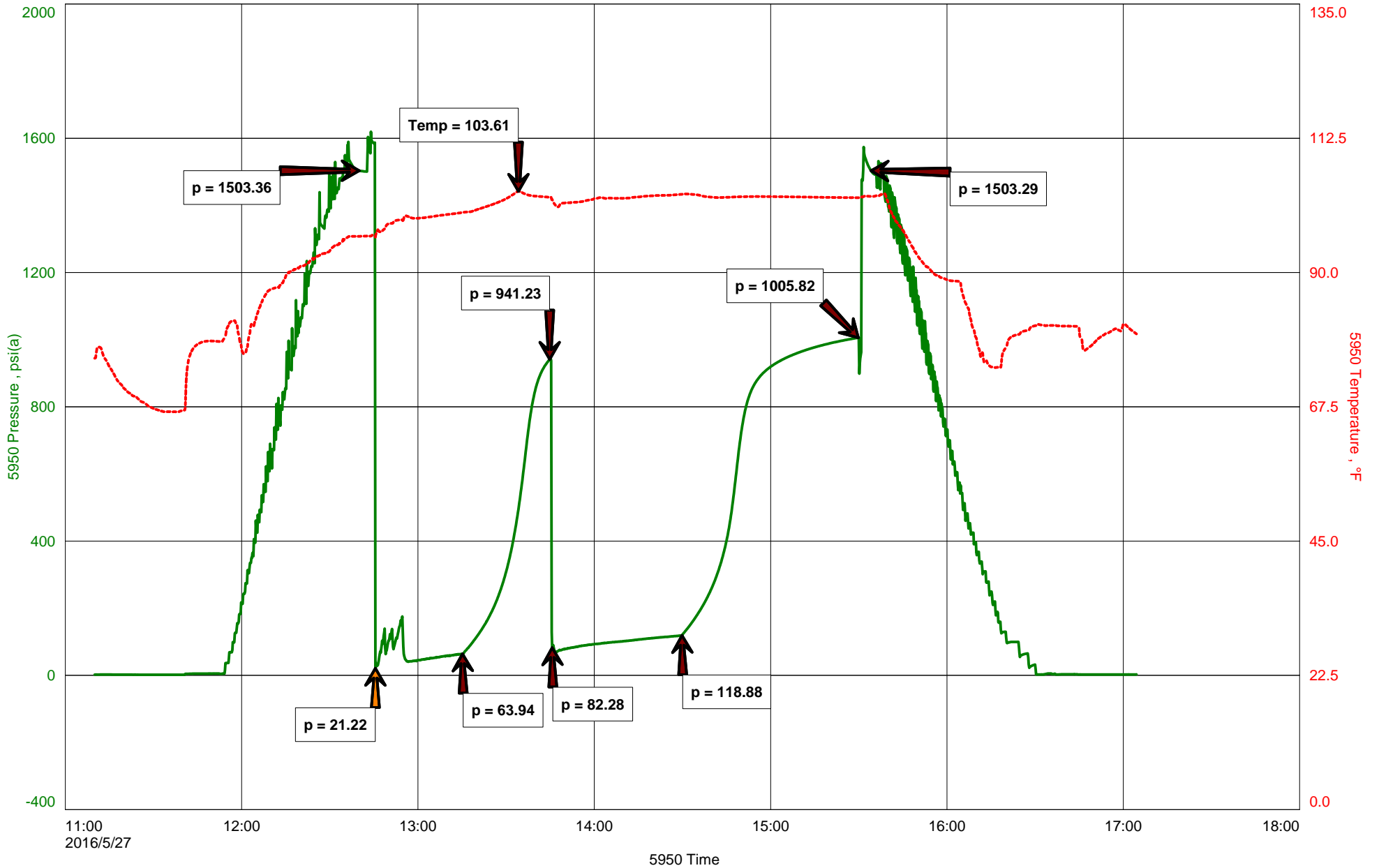


H&D Exploration
Dst #1 Upper Lans 3194-3257'
Start Test Date: 2016/05/27
Final Test Date: 2016/05/27

Herrman #1
Formation: Dst #1 Upper Lans 3194-3257'
Pool: Infield
Job Number: P0109

Herrman #1





Hoisington, Kansas

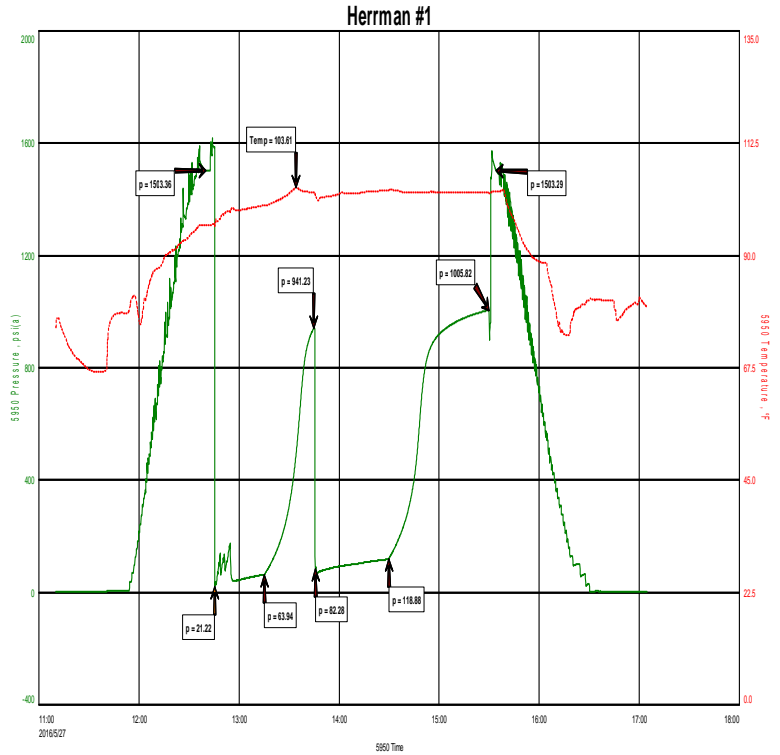
Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

General Information

Company Name H&D Exploration

Contact Mitch Driscoll
Well Name Herrman #1
Unique Well ID Dst #1 Upper Lans 3194-3257'
Surface Location Sec 8-19s-13w Barton County
Field Walnut Creek
Well Type Vertical
Test Type Drill Stem Test
Well Operator H&D Exploration

Formation Dst #1 Upper Lans 3194-3257'
Well Fluid Type 01 Oil
Test Purpose Initial Test
Start Test Date 2016/05/27
Start Test Time 11:10:00
Final Test Time 17:05:00
Job Number P0109
Report Date 2016/05/27
Prepared By Michael Carroll



TEST RECOVERY

Remarks	Recovery:	1008'	Gas In Pipe				
		63'	GSLWCOM	20%G	30%O	5%W	45%M
		126'	GSLWCMO	20%G	45%O	5%W	30%M
		63'	SLGCHOCWM	5%G	55%O	10%W	30%M
	Total Fluid:	252'					
	Tool Sample:	65%O	15%W	20%M			



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

TIME ON: 1110
TIME OFF: 1705

Company H&D EXPLORATION Lease & Well No. HERRMAN #1
Contractor SOUTHWIND DRLG RIG 3 Charge to H&D EXPLORATION
Elevation 1856 Formation LANS A-E Effective Pay _____ Ft. Ticket No. P0109
Date 5-27-16 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 3194 ft. to 3257 ft. Total Depth 3257 ft.
Packer Depth 3189 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3194 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3182 ft. Recorder Number 5950 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3231 ft. Recorder Number 0230 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 53 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 11000 P.P.M. Drill Pipe Length 3169 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 63(31.5A) 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 BOB IN 10 MINUTES WSBB
2nd Open: 8" BLOW-BUILT TO BOB IN 1 MINUTE 7"BB

Recovered 1008 ft. of GAS IN PIPE
Recovered 63 ft. of GSLWCOM 20%G 30%O 5%W 45%M
Recovered 126 ft. of GSLWCMO 20%G 45%O 5%W 30%M
Recovered 63 ft. of SLGCHOCWM 5%G 55%O 10%W 30%M

Recovered <u>252</u> ft. of <u>TOTAL FLUID</u>	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>65%O 15%W 20%M</u>	Total

Time Set Packer(s) 12:42 P.M. A.M. P.M. Time Started Off Bottom 3:27 P.M. A.M. P.M. Maximum Temperature 104

Initial Hydrostatic Pressure..... (A) 1503 P.S.I.
Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 64 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 941 P.S.I.
Final Flow Period..... Minutes 45 (E) 82 P.S.I. to (F) 119 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1006 P.S.I.
Final Hydrostatic Pressure..... (H) 1503 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.