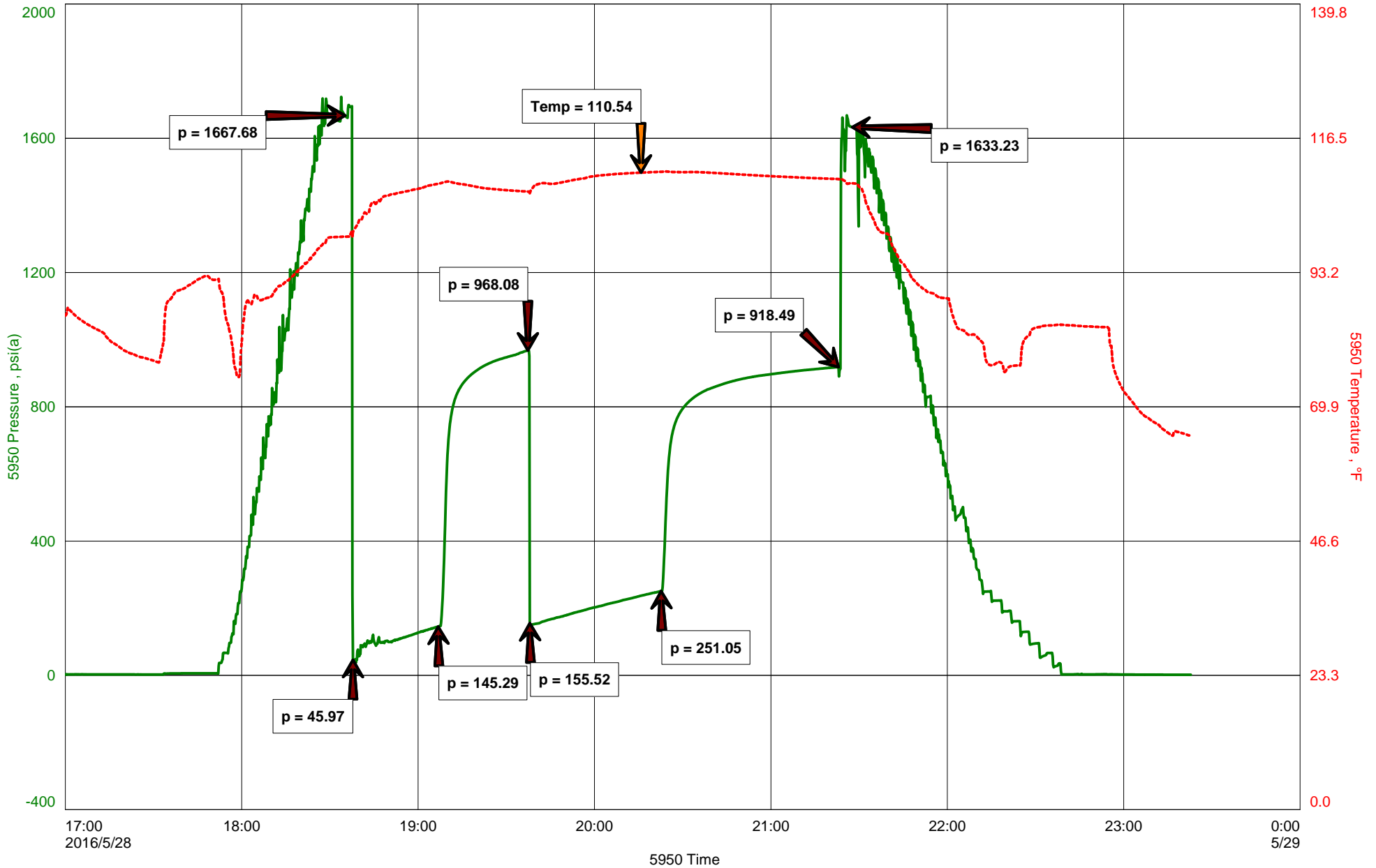


H&D Exploration
Dst #3 Lans/KC 'H-J' 3324-3380'
Start Test Date: 2016/05/28
Final Test Date: 2016/05/28

Herrman #1
Formation: Dst #3 Lans/KC 'H-J' 3324-3380'
Pool: Infield
Job Number: P0111

Herrman #1





Hoisington, Kansas

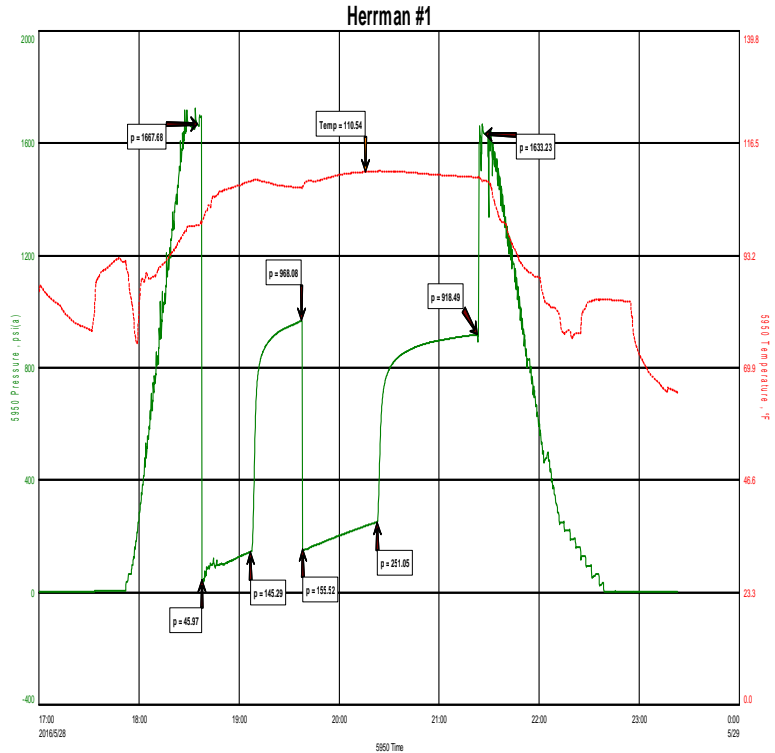
Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

General Information

Company Name H&D Exploration

Contact	Mitch Driscoll
Well Name	Herrman #1
Unique Well ID	Dst #3 Lans/KC 'H-J' 3324-3380'
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 #3 Lans/KC 'H-J' 3324-3380'
Well Fluid Type	01 Oil
Test Purpose	
Start Test Date	2016/05/28
Start Test Time	17:00:00
Final Test Time	23:23:00
Job Number	P0111
Report Date	2016/05/28
Prepared By	Michael Carroll



TEST RECOVERY

Remarks	Recovery:	703'	Gas In Pipe				
		116'	GWCOM	14%G	26%O	15%W	45%M
		189'	GWCMCO	20%G	50%O	20%W	10%M
		126'	Clean Oil	Gravity 18.5 @ 60 Degrees			
		126'	SLOCMW	4%O	93%W	3%M	

Total Fluid: 557'

Tool Sample: 45%O 54%W 1%M

Chlorides 70000 PPM
RW .1 @ 75 Degrees
PH 7



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

TIME ON: 1700
TIME OFF: 2323

Company H&D EXPLORATION Lease & Well No. HERRMAN #1
Contractor SOUTHWIND DRLG RIG 3 Charge to H&D EXPLORATION
Elevation 1856 Formation LANS/KC H-J Effective Pay _____ Ft. Ticket No. P0111
Date 5-28-16 Sec. 8 Twp. _____ 19 S Range _____ 13 W County BARTON State KANSAS
Test Approved By JIM MUSGROVE Diamond Representative Michael Carroll

Formation Test No. 3 Interval Tested from 3324 ft. to 3380 ft. Total Depth 3380 ft.
Packer Depth 3319 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3324 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3312 ft. Recorder Number 5950 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3361 ft. Recorder Number 0230 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type Chem Viscosity 57 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 16 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 28000 P.P.M. Drill Pipe Length 3299 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 56(24.5A) 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 "BLOW-BUILT TO BOB IN 3 MINUTES 40 SECONDS 1/4"BB
2nd Open: 1 "BLOW-BUILT TO BOB IN 8 MINUTES 30 SECONDS 8 1/2"BB

Recovered <u>703</u> ft. of <u>GAS IN PIPE</u>	<u>CHLORIDES 70000 PPM</u>
Recovered <u>116</u> ft. of <u>GWCOM 14%G 26%O 15%W 45%M</u>	<u>RW .1 @ 75 DEGREES</u>
Recovered <u>189</u> ft. of <u>GWCMCO 20%G 50%O 20%W 10%M</u>	<u>PH 7</u>
Recovered <u>126</u> ft. of <u>CLEAN OIL GRAVITY 18.5 @ 60 DEGREES</u>	
Recovered <u>126</u> ft. of <u>SLOCMW 4%O 93%W 3%M</u>	<u>Price Job</u>
Recovered <u>557</u> ft. of <u>TOTAL FLUID</u>	<u>Other Charges</u>
Remarks: _____	<u>Insurance</u>
<u>TOOL SAMPLE: 45%O 54%W 1%M</u>	<u>Total</u>

Time Set Packer(s) 6:35 P.M. A.M. Time Started Off Bottom 9:20 P.M. P.M. Maximum Temperature 111
Initial Hydrostatic Pressure..... (A) 1668 P.S.I.
Initial Flow Period..... Minutes 30 (B) 46 P.S.I. to (C) 145 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 968 P.S.I.
Final Flow Period..... Minutes 45 (E) 156 P.S.I. to (F) 251 P.S.I.
Final Closed In Period..... Minutes 60 (G) 918 P.S.I.
Final Hydrostatic Pressure..... (H) 1633 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.