

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313



TEST INFORMATION

Well Name	Rugan Farms #2-24
Formation	Lansing "H-J" 3361'-3425'
Surface Location	Sec 24-20s-14w-Barton Co-KS
Field	
Company Name	LD Drilling
Well Operator	LD Drilling
Well Type	Vertical
Test Type	Conv. Bottom-Hole
Test Purpose (AEUB)	Initial Test
Gauge Name	Inside 5951
Start Test Date	2014/08/14
Start Test Time	17:11:00
Final Test Date	2014/08/14
Final Test Time	23:32:00
Job Number	F298
Contact	LD Davis
Site Contact	Kurt Talbott
Qualified By	Kurt Talbott

TEST RESULTS

Initial flow started with a surface blow that increased to 6.5" in the bucket.
 Final flow started with a surface blow that increased to 2.5" in the bucket.

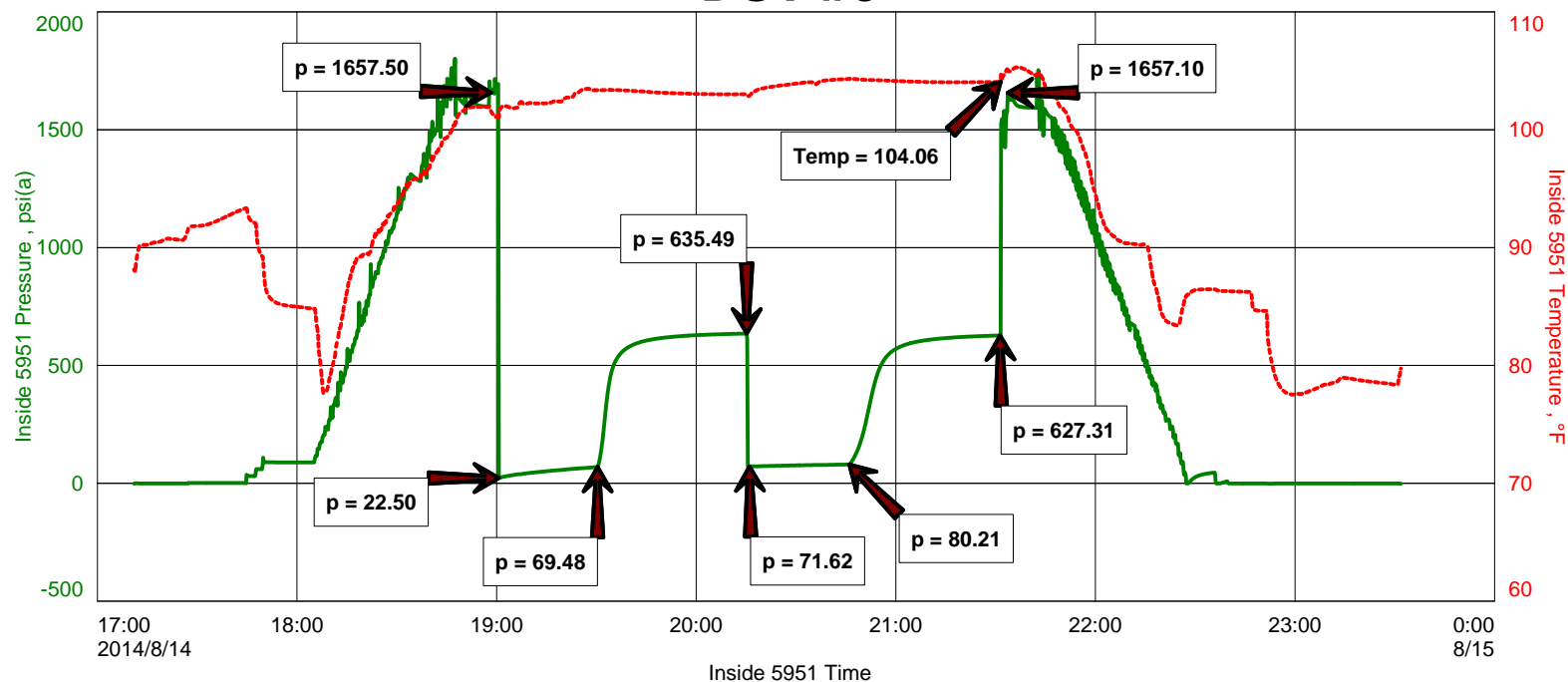
(Tool slid 3' after opening, tool was sitting on approximately 7' of fill throughout the test.)

Recovered 150' of, SOCWM, 4% oil, 41% wtr, 55% mud
 Chlorides: 32,000 PPM
 RW: .22 ohm @ 68 Deg F
 PH: 8.0

LD Drilling
 Start Test Date: 2014/08/14
 Final Test Date: 2014/08/14

Rugan Farms #2-24
 Formation: Lansing "H-J" 3361'-3425'
 Job Number: F298

DST #3





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

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

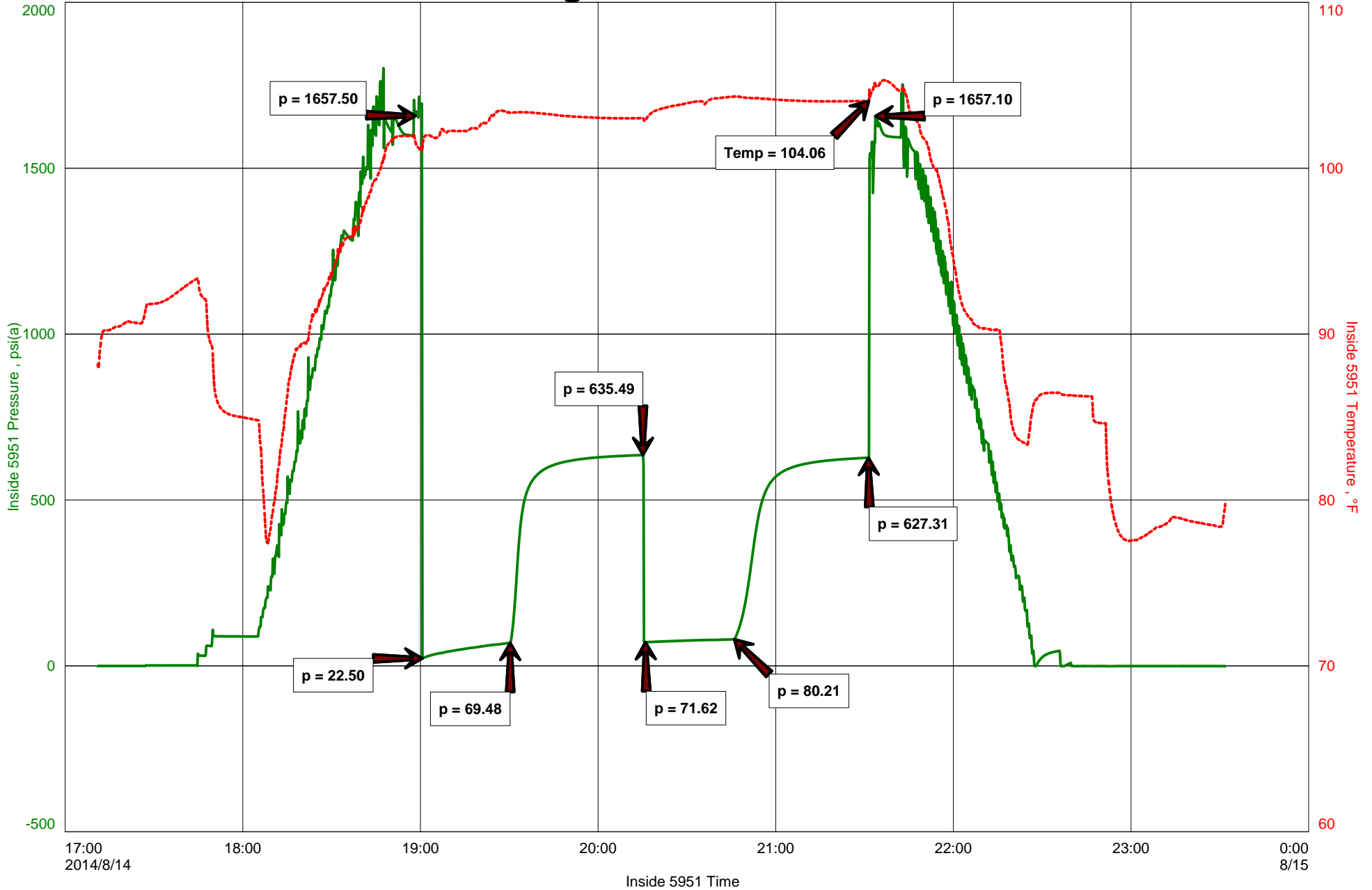
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ 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.

LD Drilling
Start Test Date: 2014/08/14
Final Test Date: 2014/08/14

Rugan Farms #2-24
Formation: Lansing "H-J" 3361'-3425'
Job Number: F298

Rugan Farms #2-24





DIAMOND TESTING, LLC
 P.O. Box 157
 HOISINGTON, KANSAS 67544-0157
 (800) 542-7313

ON LOG: 16:43
 TIME ON: 17:11
 TIME OFF: 23:32

DRILL-STEM TEST TICKET

FILE: RUG-FA2DST3

Company LD DRILLING Lease & Well No. RUGAN FARMS #2-24
 Contractor PETROMARK #2 Charge to LD DRILLING
 Elevation 1892' KB Formation LANSENG "H-5" Effective Pay _____ Ft. Ticket No. F298
 Date 8-14-14 Sec. 24 Twp. 20 S Range 14 W County BARTON State KANSAS
 Test Approved By KURT TALBOT Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 3 Interval Tested from 3361 ft. to 3425 ft. Total Depth 3425 ft.
 Packer Depth 3356 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3361 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3347 ft. Recorder Number 5957 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3367 ft. Recorder Number 5584 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type CHEMICAL Viscosity 45 Drill Collar Length 125 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 12.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 10000 P.P.M. Drill Pipe Length 3311 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number _____ Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 64 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size _____ in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SURFACE BLOW, FNC TO 4 1/2"
 2nd Open: SURFACE BLOW FNC TO 2 1/2"

Recovered 150 ft. of SOCWM 4%_o, 41%_w, 55%_m
 Recovered _____ ft. of CHLORIDES: 32,000 PPM
 Recovered _____ ft. of RW: .22 SL @ 68°F
 Recovered _____ ft. of PH: 8.0

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOOL SLID 3' AFTER OPENING, TOOL WAS SETTING ON APPROX 7' OF WELL THROUGHOUT TEST.</u>	Insurance
	Total

Time Set Packer(s) 7:00 ~~AM~~ P.M. Time Started Off Bottom 9:30 ~~AM~~ P.M. Maximum Temperature 104 F

Initial Hydrostatic Pressure..... (A) 1658 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 23 P.S.I. to (C) 69 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 635 P.S.I.
 Final Flow Period..... Minutes 30 (E) 72 P.S.I. to (F) 80 P.S.I.
 Final Closed In Period..... Minutes 45 (G) 627 P.S.I. THANKS!
 Final Hydrostatic Pressure..... (H) 1657 P.S.I. Jake Fahrenbruch

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