

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

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



TEST INFORMATION

Well Name	Christina #1-2
Company Name	Val Energy, Inc
Formation	Miss. 6520'-6675'
Test Type	BH w/J,SJ,SMPL,ShPkr X2
Surface Location	Sec 2-20s-56w-Crowley Co.-CO
KB Elevation (SL)	4442.000
Gauge Name	Inside 5951
Start Test Date	2014/11/28
Start Test Time	23:46:00
Final Test Date	2014/11/29
Final Test Time	13:25:00
Job Number	F351
Contact	Dustin Wyler
Site Contact	Roger Martin

TEST RESULTS

Initial flow, weak blow, increased to 3".
Final flow, weak blow, increased to 2.5".

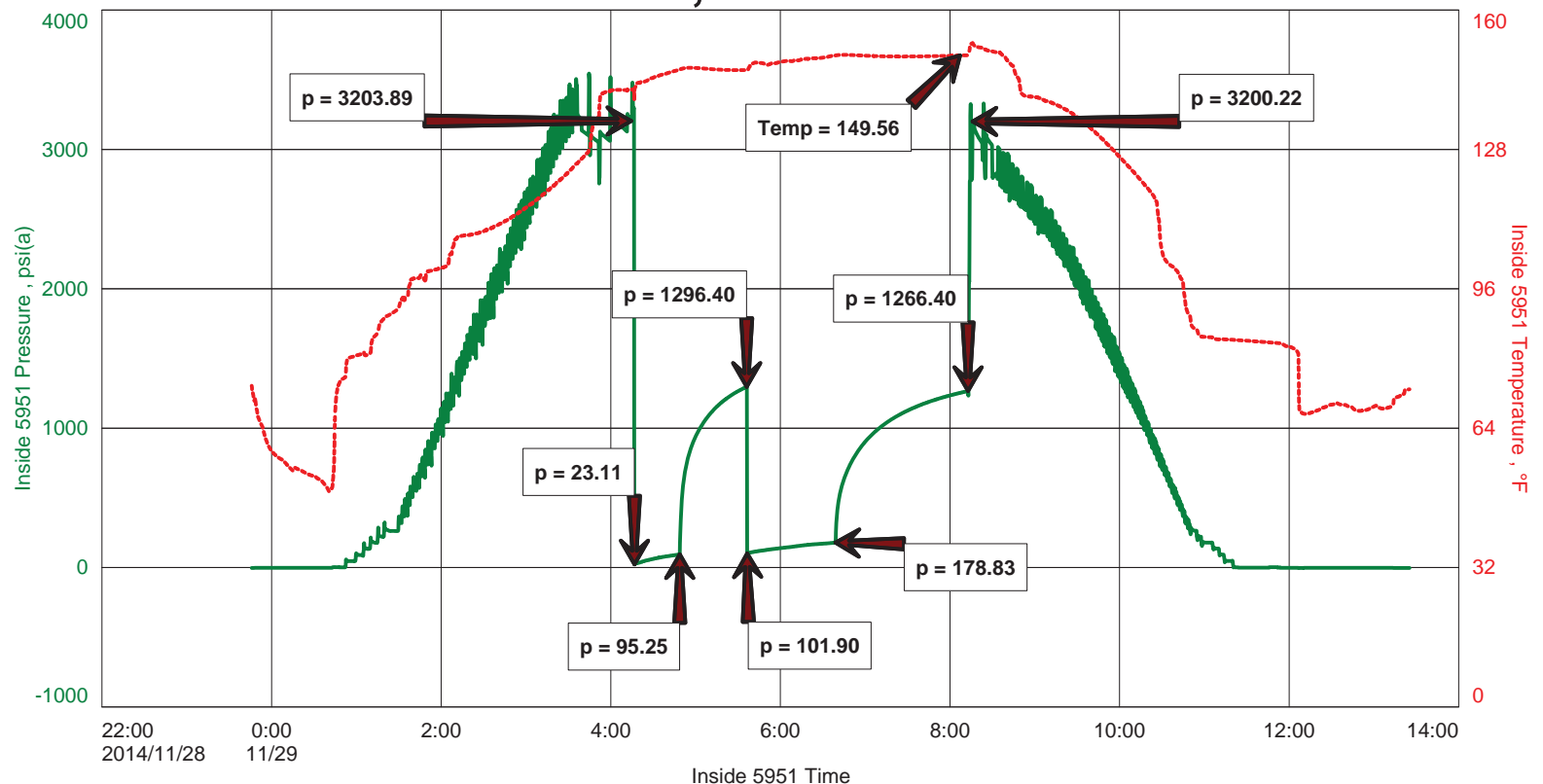
TOTAL FLUID RECOVERED: 375'

30'	DRLG MUD	100% m
345'	THIN MUD	(would not separate in the centrifuge)
----	SAMPLER: 3,700 ml @ 75 PSI, THIN MUD,	(would not separate)
----	Chlorides: 4,200 PPM	RW: 1.5 ohm @ 68 Deg F

Val Energy, Inc
Start Test Date: 2014/11/28
Final Test Date: 2014/11/29

Christina #1-2
Formation: Miss. 6520'-6675'
Job Number: F351

DST #1, MISSISSIPPI





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: CHRISTINA / PST1

ON LOCATION: 18:30
START RECORDERS: 23:46
STOP RECORDERS: 13:25

Company VAL ENERGY INC Lease & Well No. CHRISTINA #1-2
Contractor MURFIN DRILL #25 Charge to VAL ENERGY, INC.
Elevation 4442' HB Formation MISS. Effective Pay _____ Ft. Ticket No. F351
Date 11-29-14 Sec. 2 Twp. 20S Range 56W County CROWLEY State COLOR.
Test Approved By ROGER MARTIN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 1 Interval Tested from 6520 ft. to 6675 ft. Total Depth 6675 ft.

SH Packer Depth 6515 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

SH Packer Depth 6520 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 6498 ft. Recorder Number 5951 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 6636 ft. Recorder Number 5584 Cap. 5000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 58 (18" LCM) Drill Collar Length 554 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 6.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.

Chlorides 200 P.P.M. Drill Pipe Length 5928 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 5 J, J, 5mp, 5h Pkr Test Tool Length 38 ft. Tool Size 3 1/2-IF in.

Did Well Flow? _____ Reversed Out _____ Anchor Length 155 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2" XH in. Surface Choke Size 57' PERF IN ANCHOR in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK BLOW, INCREASED TO 3"

2nd Open: WEAK BLOW, INCREASED TO 2 1/2"

Recovered _____ ft. of TOTAL RECOVERED FLUID: 375'

Recovered 30 ft. of DRILL MUD 100" MUD

Recovered 345 ft. of THEN MUD (WOULD NOT SEPERATE IN CENTER FUGE)

Recovered _____ ft. of SAMPLER: 75", 3700 mc THEN MUD (WOULD NOT SEPERATE)

Recovered _____ ft. of CHLORIDES: 4,200 PPM

Recovered _____ ft. of RW: 1.5 @ 68°F

Remarks: _____

Price Job

Other Charges 19 HR ON LOC

J, J, 5mp, 5h Pkr x 2

675 MFT (PRATT)

Total

Time Set Packer(s) 4:20 ^{A.M.} P.M. Time Started Off Bottom 8:05 ^{A.M.} P.M. Maximum Temperature 150°F

Initial Hydrostatic Pressure _____ (A) 3204 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 23 P.S.I. to (C) 95 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 1296 P.S.I.

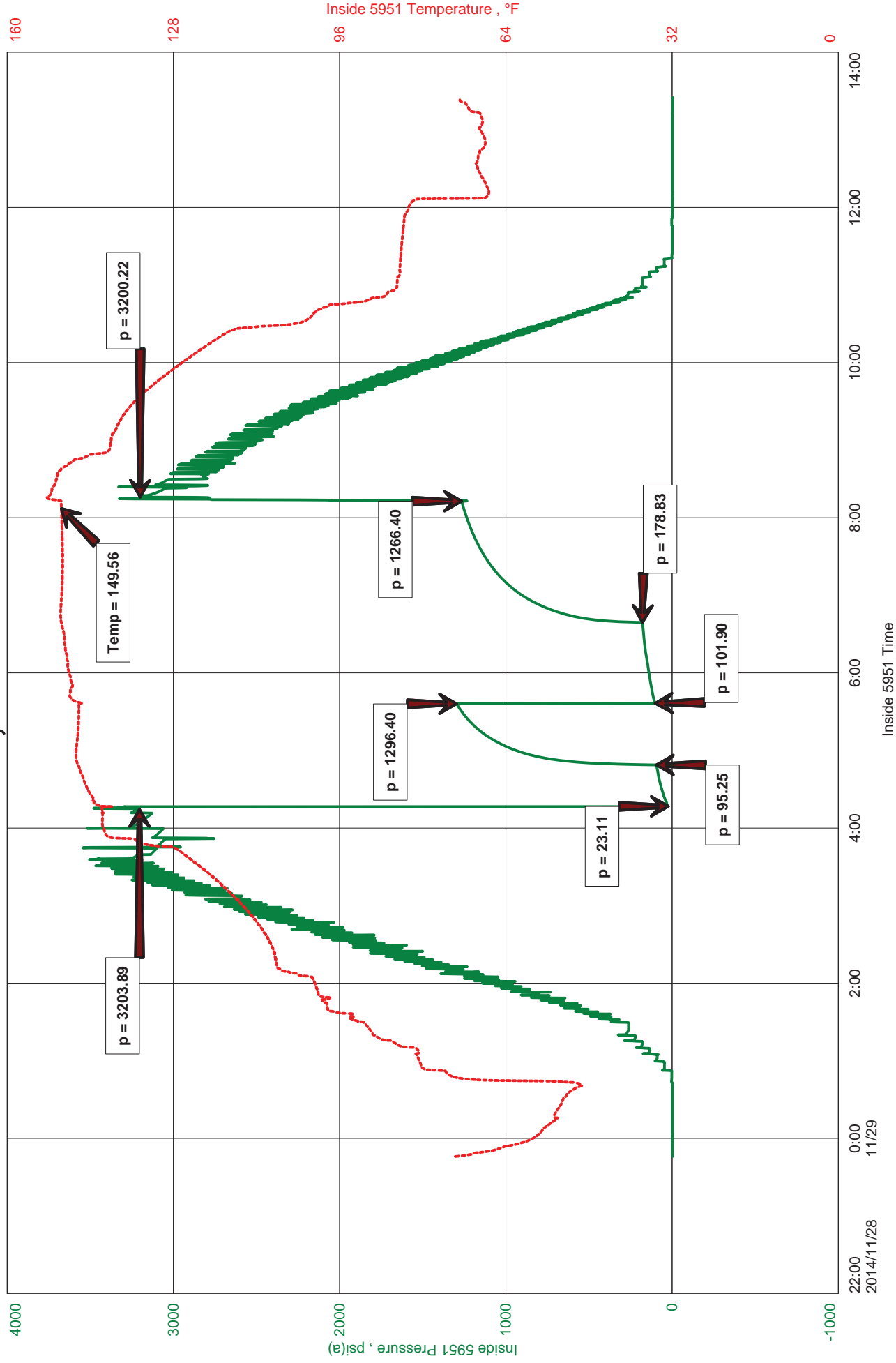
Final Flow Period _____ Minutes 60 (E) 102 P.S.I. to (F) 179 P.S.I.

Final Closed In Period _____ Minutes 90 (G) 1266 P.S.I. Thank you!

Final Hydrostatic Pressure _____ (H) 3200 P.S.I. Jake E. Fahrenbruch

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.

DST #1, MISSISSIPPI





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: CHRISTINA1DST1

TIME ON: 23:46 11-28
TIME OFF: 13:25 11-29

Company Val Energy, Inc Lease & Well No. Christina #1-2
Contractor Murfin Drlg. #25 Charge to Val Energy, Inc
Elevation 4442' KB Formation MISS Effective Pay _____ Ft. Ticket No. F351
Date 11-29-14 Sec. 2 Twp. 20 S Range 56W W County Crowley CO State KANSAS
Test Approved By Roger Martin Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 6520 ft. to 6675 ft. Total Depth 6675 ft.
Packer Depth SH 6515 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
Packer Depth SH 6636 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 6498 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 6636 ft. Recorder Number 5584 Cap. 5000 P.S.I.
Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. ----- P.S.I.
Mud Type Chemical Viscosity 58 (18# LCM) Drill Collar Length 554 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 200 P.P.M. Drill Pipe Length 5,928 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 J,J,SMPL,SHP Test Tool Length 38 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 155 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 57' PERF IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak blow, inc to 3".

2nd Open: Weak blow, inc to 2.5".

Recovered 0 ft. of **TOTAL FLUID RECOVERED: 375'**
Recovered 30 ft. of Drlg Mud 100% mud
Recovered 345 ft. of Thin Mud, (would not seperate in the centerfuge)
Recovered _____ ft. of Sampler: 3,700 ml @ 75#, Thin mud, (would not seperate in centerfuge)
Recovered _____ ft. of Chlorides: 4,200 PPM RW: 1.5 ohm @ 68 F
Recovered _____ ft. of _____
Remarks: _____
Price Job _____
Other Charges _____
Insurance _____
Total _____

Time Set Packer(s) 4:20 AM A.M. P.M. Time Started Off Bottom 8:05 AM A.M. P.M. Maximum Temperature 150 F
Initial Hydrostatic Pressure..... (A) 3204 P.S.I.
Initial Flow Period..... Minutes 30 (B) 23 P.S.I. to (C) 95 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1296 P.S.I.
Final Flow Period..... Minutes 60 (E) 102 P.S.I. to (F) 179 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1266 P.S.I.
Final Hydrostatic Pressure..... (H) 3200 P.S.I.

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