



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: QR7DST2

ON LOCATION: 10:43 AM
 TIME ON: 10:56 AM
 TIME OFF: 5:26 PM

Company LD DRILLING Lease & Well No. QUEVERA RANCH #7-34
 Contractor PETROMARK DRLG REG #2 Charge to LD DRILLING
 Elevation 1799' KB Formation SIMPSON SAND Effective Pay _____ Ft. Ticket No. F259
 Date 3-21-14 Sec. 34 Twp. 22 S Range 11 W County STAFFORD State KANSAS
 Test Approved By JOSH AUSTIN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. TWO Interval Tested from 3592 ft. to 3627 ft. Total Depth 3627 ft.
 Packer Depth 3587 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3592 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3570 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3595 ft. Recorder Number 5584 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity _____ Drill Collar Length 120 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 3439 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5 JJS Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 35 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ALL PERF Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK BLOW, INCREASED TO 5 1/2"
 2nd Open: WEAK BLOW, INCREASED TO 2 3/4"

Recovered 20 ft. of DRLG MUD
 Recovered _____ ft. of 60' +/- G.I.P.
 Recovered _____ ft. of TOOL SAMPLE: SDSM <1% OIL, >99% MUD
 Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job _____
Recovered _____ ft. of _____	Other Charges <u>JARS & SAFETY JOINT</u>
Remarks: _____	Insurance _____
	<u>92 MILES ROUND TRIP</u>
	Total _____

Time Set Packer(s) 12:43 A.M. Time Started Off Bottom 3:43 P.M. Maximum Temperature 107°F

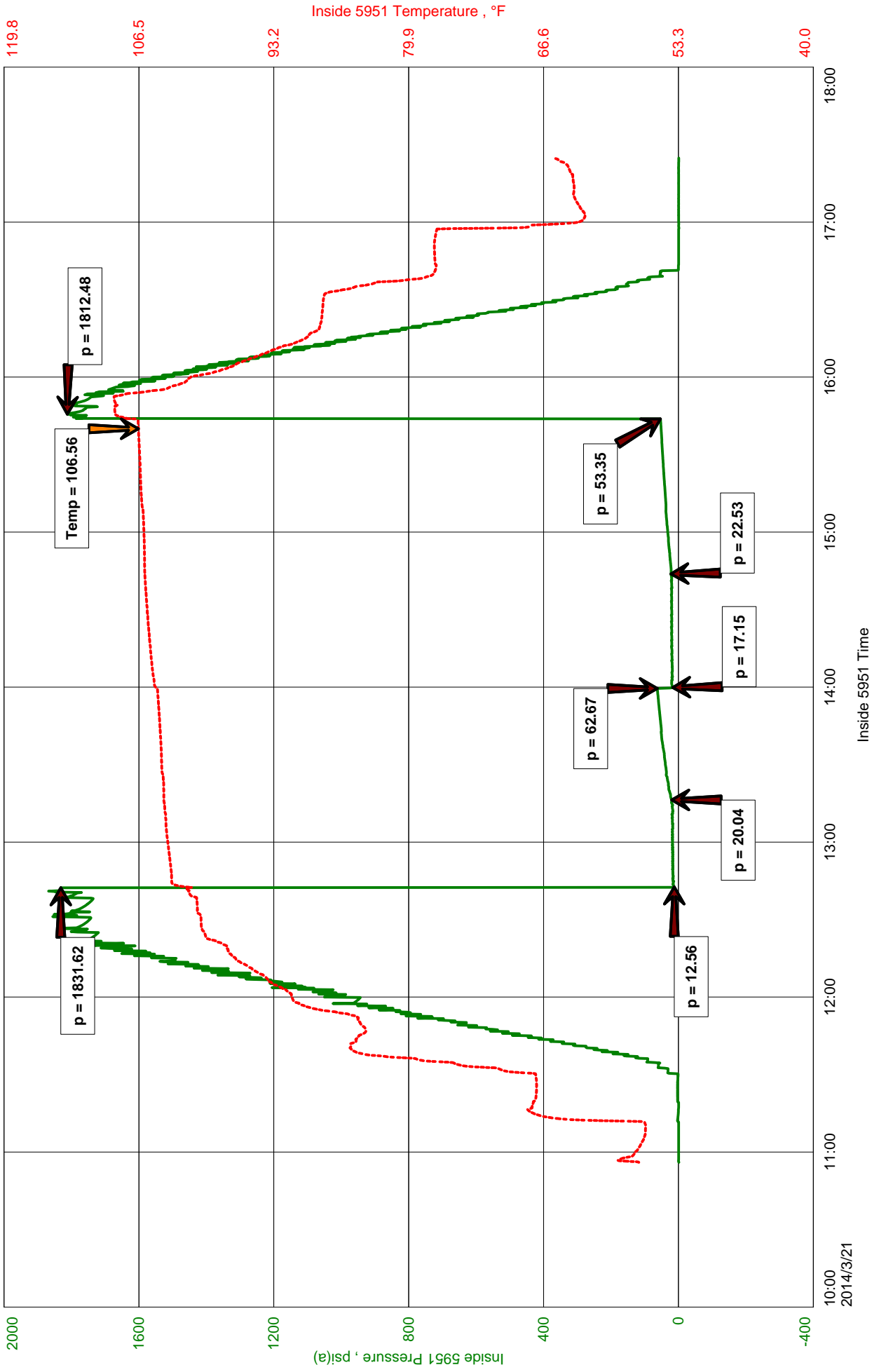
Initial Hydrostatic Pressure..... (A) 1832 P.S.I.
 Initial Flow Period..... 12:43-1:13 Minutes 30 (B) 13 P.S.I. to (C) 20 P.S.I.
 Initial Closed In Period..... 1:13-1:58 Minutes 45 (D) 63 P.S.I.
 Final Flow Period..... 1:58-2:43 Minutes 45 (E) 17 P.S.I. to (F) 23 P.S.I.
 Final Closed In Period..... 2:43-3:43 Minutes 60 (G) 53 P.S.I. THANKS!
 Final Hydrostatic Pressure..... (H) 1812 P.S.I. Jake 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.

LD Drilling
DST #2 Simpson Sand 3592'-3627'
Start Test Date: 2014/03/21
Final Test Date: 2014/03/21

Quivira Ranch #7-34
Formation: Simpson Sand 3592'-3627'
Pool: NA
Job Number: F259

Quivira Ranch #7-34





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LD Drilling	Well Name	Quivira Ranch #7-34
Well Operator	LD Drilling	Unique Well ID	DST #2 Simpson Sand 3592'-3627'
Contact	LD Davis	Surface Location	Sec 34-22s-22w-Stafford Co.-KS
Site Contact	Josh Austin	Test Unit	#5
Field	NA	Pool	NA
Well Type	Vertical	Job Number	F259
Prepared By	Jake Fahrenbruch	Qualified By	Josh Austin

Test Information

Test Type	Bottom-Hole w/J&J	Test Purpose	Initial Test
Formation	Simpson Sand 3592'-3627'	Gauge Name	Inside 5951
Start Test Date	2014/03/21	Start Test Time	10:56:00
Final Test Date	2014/03/21	Final Test Time	17:26:00

Test Results

30 min initial open: Weak blow, increased to 5.5".
 45 min initial shut: No blowback.
 45 min final open: Weak blow, increased to 2.75".
 60 min final shut: No blowback.

Recovered: 20' Drilling Mud
 ----- 60' +/- G.I.P.
 ----- Tool Sample: SOSM, <1% Oil, >99% Mud
 ----- Bottom Hole Temp: 107 Deg F.
 ----- IHP: 1832
 ----- IFP: 13-20
 ----- ISIP: 63
 ----- FFP: 17-23
 ----- FSIP: 53
 ----- FHP: 1812

Thanks!