

DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: QR7DST1

ON LOCATION 12:40 AM
 TIME ON: 5:49 AM
 TIME OFF: 12:53 PM

Company LD DRILLING Lease & Well No. QUIVIRA RANCH #7-34
 Contractor PETROMARK DRLLG. REG #2 Charge to LD DRILLING
 Elevation 1799' KB Formation LANS. "BTHRU F" Effective Pay _____ Ft. Ticket No. F258
 THUR Date 3-20-14 Sec. 34 Twp. 22 S Range 11 W County STAFFORD State KANSAS
 Test Approved By JOSH AUSTEN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. ONE Interval Tested from 3260 ft. to 3330 ft. Total Depth 3330 ft.
 Packer Depth 3255 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3260 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3238 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3264 ft. Recorder Number 5584 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type CHEMICAL Viscosity 52 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.4 Water Loss 8.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 4000 P.P.M. Drill Pipe Length 3107 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5 J&J Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? No Reversed Out No Anchor Length 70 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" STUBB 2" PERF 1" C.O. 3" DP 1" C.O. 34" PERF Bottom Choke Size 5/8 in.

Blow: 1st Open: FAIR BLOW, INC TO 8 1/2". NO BLOWBACK
 2nd Open: FAIR BLOW, INC TO 7". NO BLOWBACK

Recovered 180 ft. of SOS MCW <1" OIL, 75" WTR, 25" MUD
 Recovered _____ ft. of CHLORIDES: 29,000 PPM
 Recovered _____ ft. of RW: .24 Ω @ 70°F
 Recovered _____ ft. of PH: 10.0

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges <u>JARS \$ SAFETY JNT.</u>
Remarks: _____	Insurance <u>4 HR STAND-BY TIME</u>
_____	<u>164 MILES ROUND TRIP</u>
_____	Total

Time Set Packer(s) 7:37 ^{A.M.}/_{P.M.} Time Started Off Bottom 10:37 ^{A.M.}/_{P.M.} Maximum Temperature 98°F

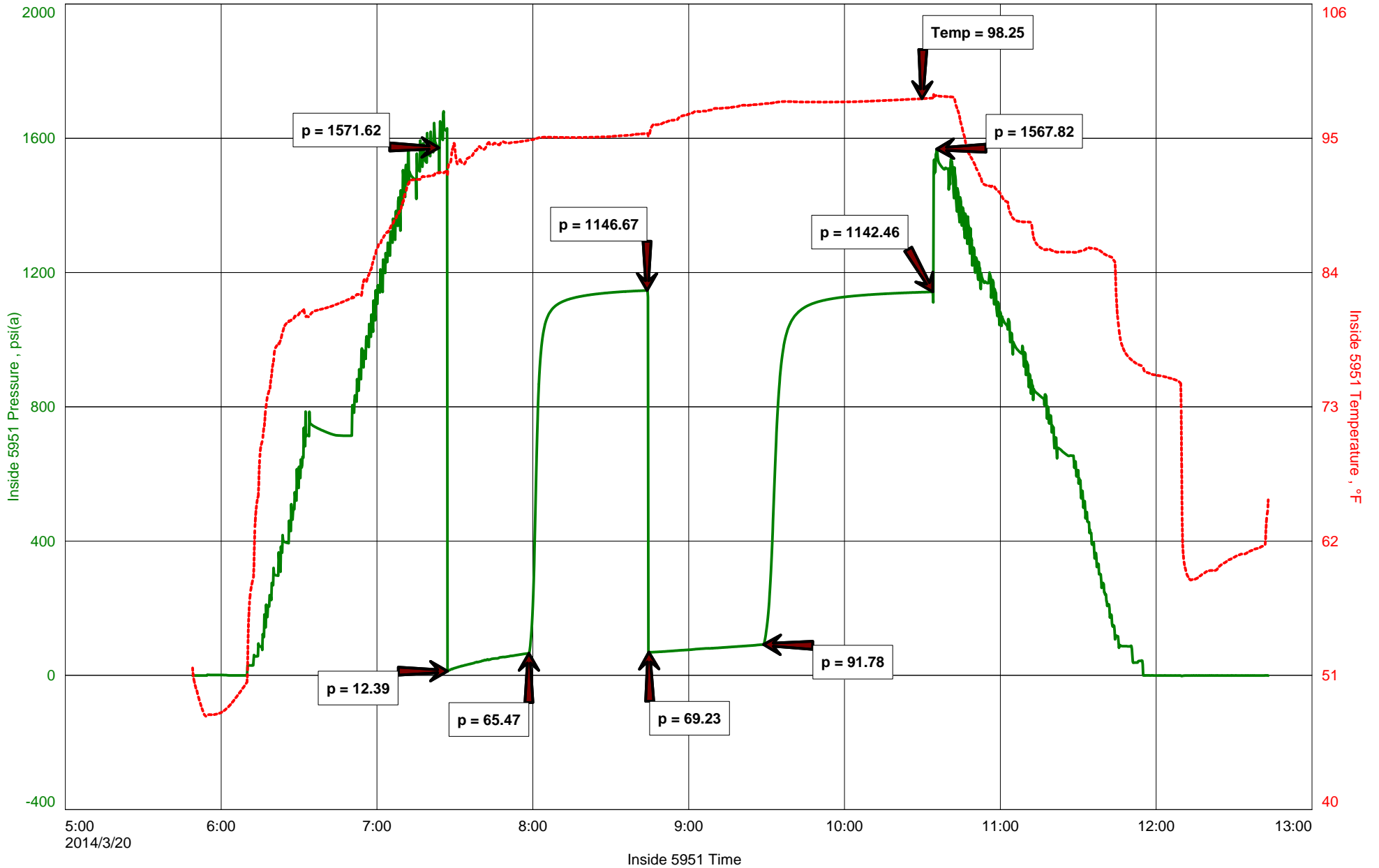
Initial Hydrostatic Pressure..... (A) 1572 P.S.I.
 Initial Flow Period..... 7:37-8:07 Minutes 30 (B) 12 P.S.I. to (C) 65 P.S.I.
 Initial Closed In Period..... 8:07-8:52 Minutes 45 (D) 1147 P.S.I.
 Final Flow Period..... 8:52-9:37 Minutes 45 (E) 69 P.S.I. to (F) 92 P.S.I.
 Final Closed In Period..... 9:37-10:37 Minutes 60 (G) 1142 P.S.I. **THANKS!**
 Final Hydrostatic Pressure..... (H) 1568 P.S.I. Jacob 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.

LD Drilling
DST #1 Lansing "B thru F" 3,260'-3,330'
Start Test Date: 2014/03/20
Final Test Date: 2014/03/20

Quivira Ranch #7-34
Formation: Lansing "B thru F" 3,260'-3,330'
Pool: NA
Job Number: F258

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 #1 Lansing "B thru F" 3,260'-3,330'
Contact	LD Davis	Surface Location	Sec 34-22s-11w-Stafford Co.-KS
Site Contact	Josh Austin	Test Unit	#5
Field	NA	Pool	NA
Well Type	Vertical	Job Number	F258
Prepared By	Jake Fahrenbruch	Qualified By	Josh Austin

Test Information

Test Type	Bottom-Hole w/J&J	Test Purpose	Initial Test
Formation	Lansing "B thru F" 3,260'-3,330'	Gauge Name	Inside 5951
Start Test Date	2014/03/20	Start Test Time	05:49:00
Final Test Date	2014/03/20	Final Test Time	12:53:00

Test Results

30 min initial flow period:	Fair blow, increased to 8.5".
45 min initial shut-in period:	No blowback.
45 min final flow period:	Fair blow, increased to 7".
60 minute final shut-in period:	No blowback.

RECOVERED: 180' SOSMCW <1% oil, 75% wtr, 25% mud

Chlorides: 29,000 ppm
RW: .24 ohm @ 70 deg f
PH: 10.0

Pressures:

IHP:	1572
IFP:	12-65
ISIP:	1147
FFP:	69-92
FSIP:	1142
FHP:	1568

Bottom-Hole Temp: 98 deg f.

Thanks!