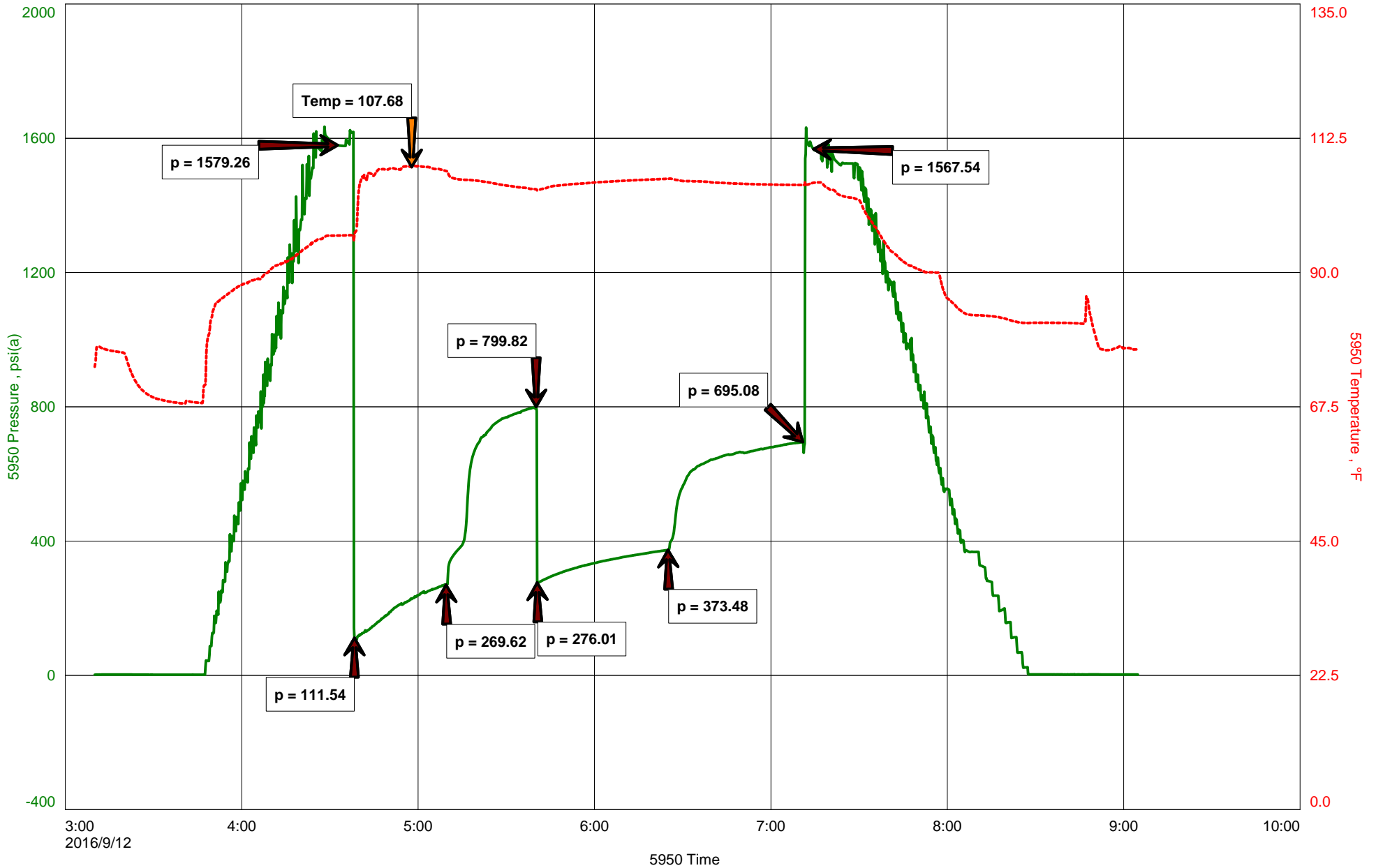


RJM
Dst #4 Lans/KC H-K 3318-3403'
Start Test Date: 2016/09/12
Final Test Date: 2016/09/12

Ervin #1
Formation: Dst #4 Lans/KC H-K 3318-3403'
Pool: Infield
Job Number: P0131

Ervin #1





Hoisington, Kansas

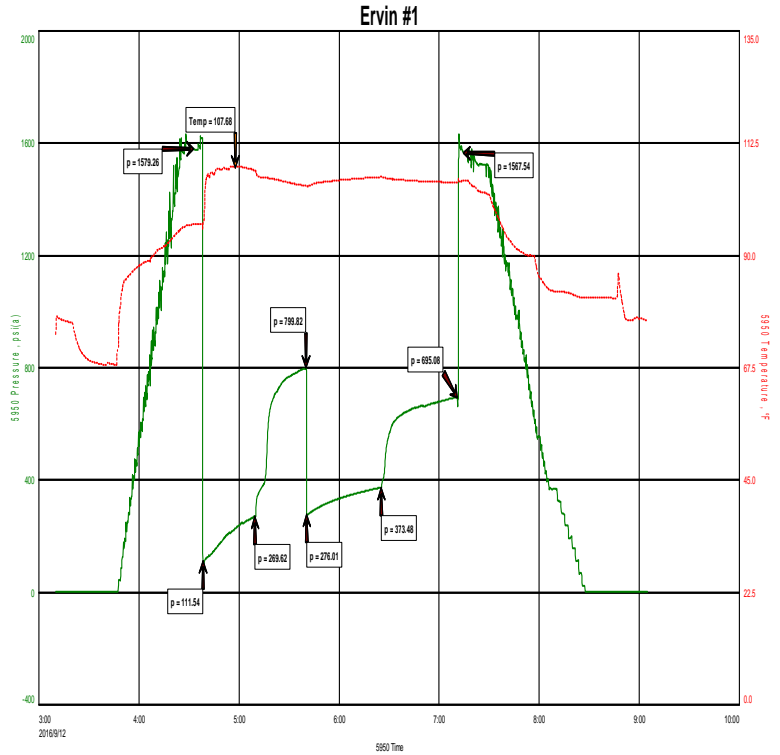
Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

General Information

Company Name RJM

Contact	Chris Hoffman
Well Name	Ervin #1
Unique Well ID	Dst #4 Lans/KC H-K 3318-3403'
Surface Location	Sec 31-17s-14w Barton County
Field	Hlavaty
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	RJM

Formation	Dst #4 Lans/KC H-K 3318-3403'
Well Fluid Type	06 Water
Test Purpose	Initial Test
Start Test Date	2016/09/12
Start Test Time	03:10:00
Final Test Time	09:05:00
Job Number	P0131
Report Date	2016/09/12
Prepared By	Michael Carroll



TEST RECOVERY

Remarks	Recovery:	144'	SLOCMW	1%O	60%W	39%M
		636'	MCW	80%W	20%M	

Total Fluid: 780'

Tool Sample: 100%W

Chlorides 39000 PPM
RW .15 @ 75 Degrees
PH 7



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ERVIN#1DST#4

TIME ON: 0310
TIME OFF: 0905

Company RJM Lease & Well No. ERVIN #1
Contractor SOUTHWIND DRLG RIG 3 Charge to RJM
Elevation 1943EST Formation _____ Lans/KC H-K _____ Effective Pay _____ Ft. Ticket No. P0131
Date 9-12-16 Sec. 31 Twp. _____ 17 S Range _____ 14 W County BARTON State KANSAS
Test Approved By JIM MUSGROVE Diamond Representative Michael Carroll

Formation Test No. 4 Interval Tested from 3318 ft. to 3403 ft. Total Depth 3403 ft.
Packer Depth 3313 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3318 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3306 ft. Recorder Number 5950 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3387 ft. Recorder Number 0230 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 55 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4500 P.P.M. Drill Pipe Length 3293 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 85(21.5A) 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: 3"BLOW-BUILT TO BOB IN 2 MINUTES NOBB
2nd Open: 1"BLOW-BUILT TO BOB IN 10 MINUTES 10 SECONDS NOBB

Recovered 144 ft. of SLOCMW 1%O 60%W 39%M CHLORIDES 39000 PPM
Recovered 636 ft. of MCW 80%W 20%M RW .15 @ 75 DEGREES
Recovered 780 ft. of TOTAL FLUID PH 7

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>TOOL SAMPLE: 100% WATER</u>	Total

Time Set Packer(s) 4:36 A.M. A.M. P.M. Time Started Off Bottom 7:06 A.M. A.M. P.M. Maximum Temperature 108

Initial Hydrostatic Pressure..... (A) 1579 P.S.I.
Initial Flow Period..... Minutes 30 (B) 112 P.S.I. to (C) 270 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 800 P.S.I.
Final Flow Period..... Minutes 45 (E) 276 P.S.I. to (F) 373 P.S.I.
Final Closed In Period..... Minutes 45 (G) 695 P.S.I.
Final Hydrostatic Pressure..... (H) 1568 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.