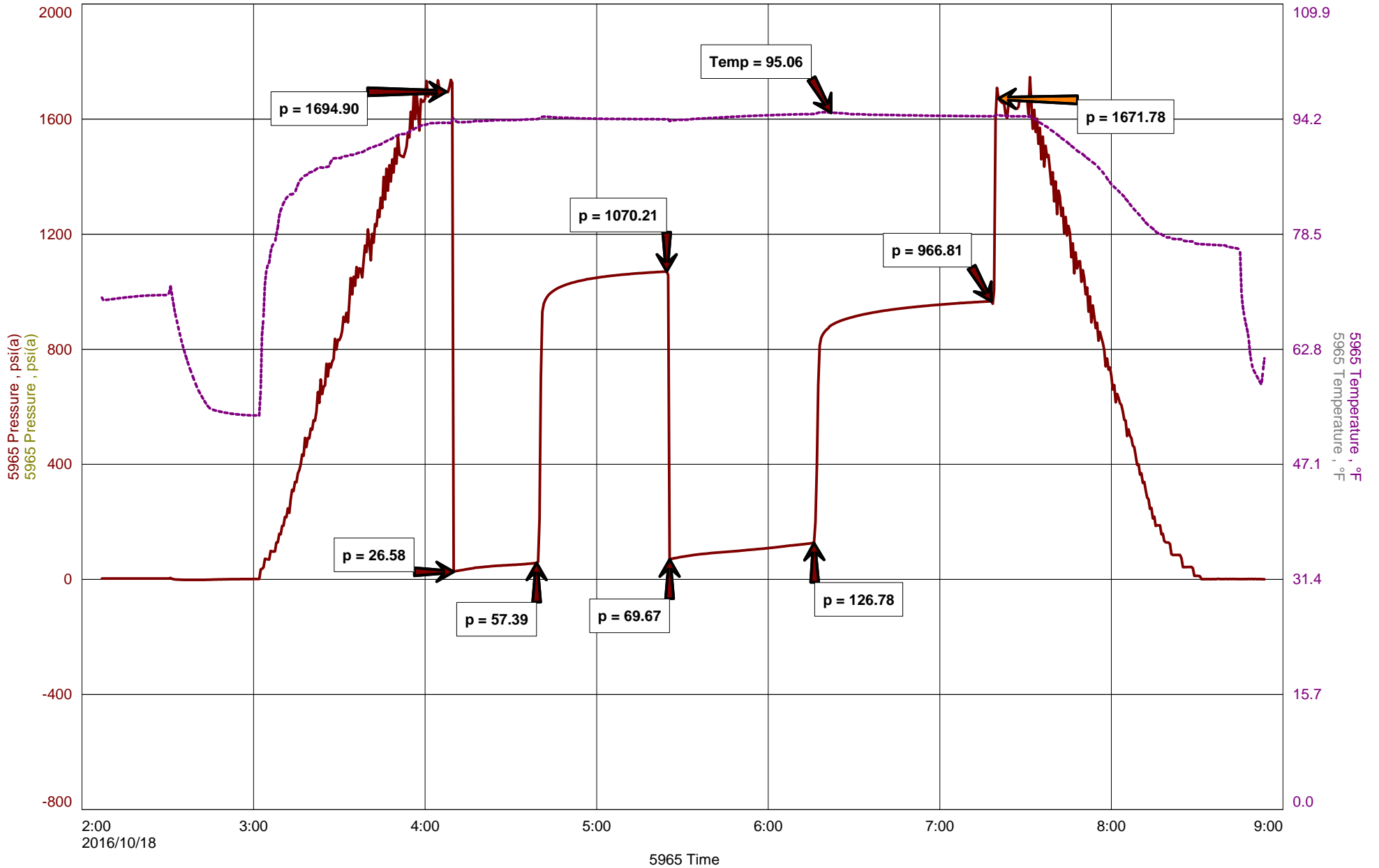


Miller A 1-5 DST 2





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	LD Drilling	Larry Friend	Job Number	W246
Contact		Miller A 1-5	Representative	Wilbur Steinbeck
Well Name		DST 2 Lan J&K 3511-3560	Well Operator	LD
Unique Well ID		5-3s-23w Norton/Kan	Report Date	2016/10/18
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Larry Friend

Test Information

Test Type	Conventional		
Formation	Lan j&K		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2016/10/18	Start Test Time	02:07:00
Final Test Date	2016/10/18	Final Test Time	08:53:00

Test Recovery

Recovery
250' MCW 25%M 75%W
250' Total Fluid

Tool Sample=MCW 10%M 90%W

RW=22



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: Miller A 1-5 DST 2

TIME ON: 2:07
 TIME OFF: 8:53

Company LD Drilling Lease & Well No. Miller A 1-5
 Contractor LD Charge to LD
 Elevation 2343 KB Formation _____ Lan J&K Effective Pay _____ Ft. Ticket No. W246
 Date 10/18/16 Sec. 5 Twp. _____ 3 S Range _____ 23 W County _____ Norton State KANSAS
 Test Approved By Larry Friend Diamond Representative _____ Wilbur Steinbeck

Formation Test No. 2 Interval Tested from 3511 ft. to 3560 ft. Total Depth 3560 ft.

Packer Depth 3506 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 3511 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3497 ft. Recorder Number _____ 5965 Cap. _____ 5000 P.S.I.

Bottom Recorder Depth (Outside) 3512 ft. Recorder Number _____ 5587 Cap. _____ 5,000 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 9.0 Water Loss 6.4 cc. Weight Pipe Length _____ 0 ft. I.D. 2 7/8 in.

Chlorides _____ 1000 P.P.M. Drill Pipe Length _____ 3478 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number J/J Test Tool Length _____ 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? Yes Reversed Out No Anchor Length _____ 49 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: Built to 8" No Blow

2nd Open: BOB in 40 min No Blow

Recovered 250 ft. of MCW 25%M 75%W

Recovered 250 ft. of Total Fluid

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____ 75Miles RT

Recovered _____ ft. of _____

Remarks: Tool Sample=MCW 105M 90%W

RW=22,000

Time Set Packer(s) 4:10 A.M. P.M. Time Started Off Bottom 7:10 A.M. P.M. Maximum Temperature 95

Initial Hydrostatic Pressure..... (A) _____ 1695 P.S.I.

Initial Flow Period..... Minutes 30 (B) _____ 27 P.S.I. to (C) _____ 57 P.S.I.

Initial Closed In Period..... Minutes 45 (D) _____ 1070 P.S.I.

Final Flow Period..... Minutes 45 (E) _____ 70 P.S.I. to (F) _____ 127 P.S.I.

Final Closed In Period..... Minutes 60 (G) _____ 967 P.S.I.

Final Hydrostatic Pressure..... (H) _____ 1672 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.