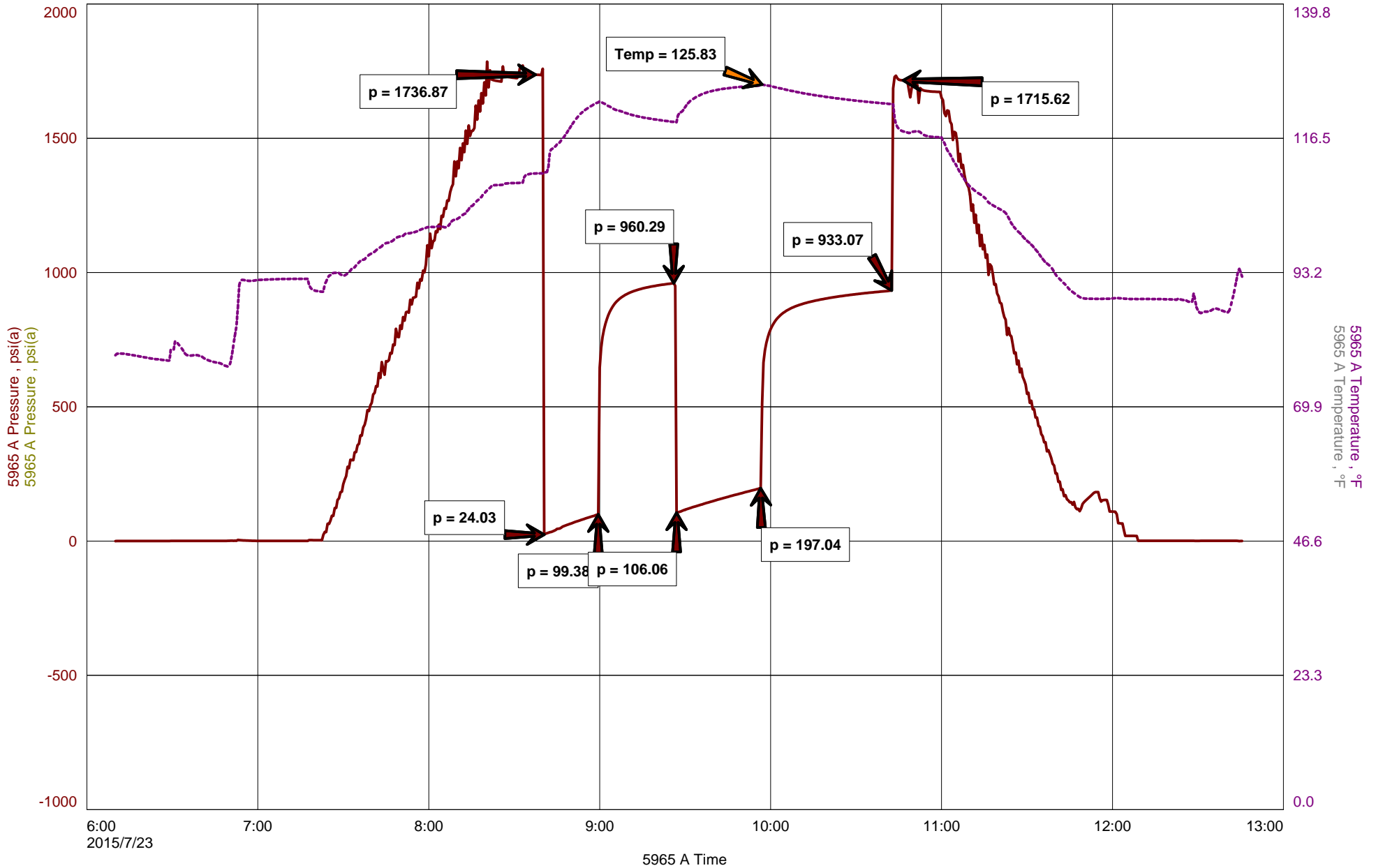


KS Archer 21-2 DST 1





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name IA Operating

Contact

Well Name

Unique Well ID

Surface Location

Field

Jeff Lawler **Job Number**

KS Archer 21-2 **Representative**

DST 1 LKC EOF 3653-3682 **Well Operator**

21-8s-26w Sheridan/Kan **Report Date**

Wildcat **Prepared By**

Qualified By

W198

Wilbur Steinbeck

Discovery 4

2015/07/23

Wilbur Steinbeck

Jeff Lawler

Test Information

Test Type

Formation

Well Fluid Type

Test Purpose (AEUB)

Conventional

LKC E-F

01 Oil

Initial Test

Start Test Date

Final Test Date

2015/07/23

2015/07/23

Start Test Time

Final Test Time

06:10:00

12:45:00

Test Recovery

Recovery 400 MCW 25%M 25%W
400 Total Fluid

Tool Sample=MCW 10%M 90%W

RW=88000ppm



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: KS Archer 21-2 DST 1

TIME ON: 6:10
TIME OFF: 12:45

Company IA Operating Lease & Well No. KS Archer 21-2
Contractor Discovery 4 Charge to IA Operating
Elevation 2421 KB Formation LKC E-F Effective Pay _____ Ft. Ticket No. W198
Date 7-23-15 Sec. 21 Twp. _____ 8 S Range _____ 26 W County Sheridan/Kan State KANSAS
Test Approved By Jeff Lawler Diamond Representative Wilbur Steinbeck

Formation Test No. 1 Interval Tested from 3653 ft. to 3682 ft. Total Depth 3682 ft.
Packer Depth 3648 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3653 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3639 ft. Recorder Number 5965 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3654 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 60 Drill Collar Length 30 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 800 P.P.M. Drill Pipe Length 3598 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 7 Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 29 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: Surge blow died in 10 min No Return
2nd Open: Surface Blow built to 1" No Return

Recovered 400 ft. of MCW 25%M 75%W
Recovered 400 ft. of Total Fluid
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	80 Miles RT	Price Job
Recovered _____ ft. of _____		Other Charges
Remarks: _____		Insurance
Tool Sample= <u>MCW 10%M 90%W</u>		
RW= <u>88000ppm</u>		Total

Time Set Packer(s) 8:40 A.M. P.M. Time Started Off Bottom 10:40 A.M. P.M. Maximum Temperature 126

Initial Hydrostatic Pressure..... (A) 1737 P.S.I.
Initial Flow Period..... Minutes 15 (B) 99 P.S.I. to (C) 24 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 960 P.S.I.
Final Flow Period..... Minutes 30 (E) 106 P.S.I. to (F) 197 P.S.I.
Final Closed In Period..... Minutes 45 (G) 933 P.S.I.
Final Hydrostatic Pressure..... (H) 1716 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.