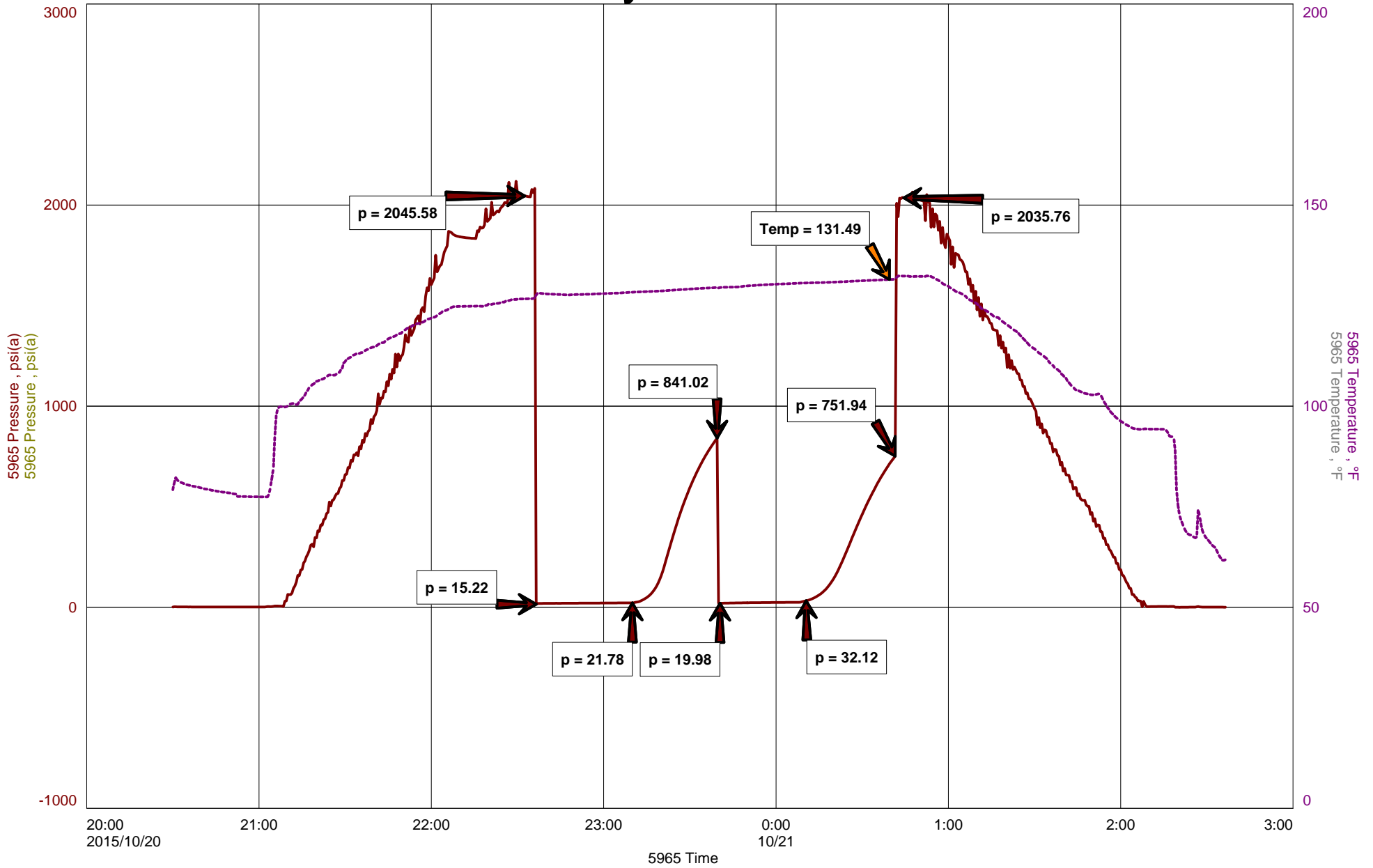


Casey 2-7 DST 2





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	LD Drilling	Kim Shoemaker	Job Number	W215
Contact		Casey 2-7 DST 1	Representative	Wilbur Steinbeck
Well Name		DST 2 Lan A-D 4199-4325	Well Operator	LD 1
Unique Well ID		7-2s-37 Cheyenne/Kans	Report Date	2015/10/20
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Kim Shoemaker

Test Information

Test Type	Conventional		
Formation	Lan A-D		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/10/20	Start Test Time	20:30:00
Final Test Date	2015/10/21	Final Test Time	02:38:00

Test Recovery

Recovery 15' Mud
 15' Total Fluid

Tool Sample=Mud



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Casey 2-7 DST 2

TIME ON: 20:30
TIME OFF: 2:38

Company LD Drilling Lease & Well No. Casey 2-7
Contractor LD Charge to LD
Elevation 2839 KB Formation _____ Lan A-D Effective Pay _____ Ft. Ticket No. W215
Date 10-20-15 Sec. 7 Twp. _____ 2 S Range _____ 37 W County _____ Cheyenne State KANSAS
Test Approved By Kim Shoemaker Diamond Representative _____ Wilbur Steinbeck

Formation Test No. 2 Interval Tested from 4199 ft. to 4325 ft. Total Depth _____ 4325 ft.

Packer Depth 4194 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4199 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ 4185 ft. Recorder Number _____ 5965 Cap. _____ 5000 P.S.I.

Bottom Recorder Depth (Outside) _____ 4200 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 58 Drill Collar Length _____ 0 ft. I.D. _____ 2 1/4 in.

Weight 9.1 Water Loss 6.8 cc. Weight Pipe Length _____ 0 ft. I.D. _____ 2 7/8 in.

Chlorides _____ 1000 P.P.M. Drill Pipe Length _____ 4166 ft. I.D. _____ 3 1/2 in.

Jars: Make STERLING Serial Number 7 Test Tool Length _____ 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? No Reversed Out No Anchor Length _____ 126 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 5 min No Return

2nd Open: No Blow No Return

Recovered _____ 15 ft. of Mud

Recovered _____ 15 ft. of Total Fluid

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____ 140 Miles RT

Recovered _____ ft. of _____

Remarks: Tool Sample=Mud

Time Set Packer(s) 22:40 A.M. P.M. Time Started Off Bottom 00:40 A.M. P.M. Maximum Temperature 131

Initial Hydrostatic Pressure..... (A) _____ 2046 P.S.I.

Initial Flow Period..... Minutes 30 (B) _____ 15 P.S.I. to (C) _____ 22 P.S.I.

Initial Closed In Period..... Minutes 30 (D) _____ 841 P.S.I.

Final Flow Period..... Minutes 30 (E) _____ 20 P.S.I. to (F) _____ 32 P.S.I.

Final Closed In Period..... Minutes 30 (G) _____ 752 P.S.I.

Final Hydrostatic Pressure..... (H) _____ 2036 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.