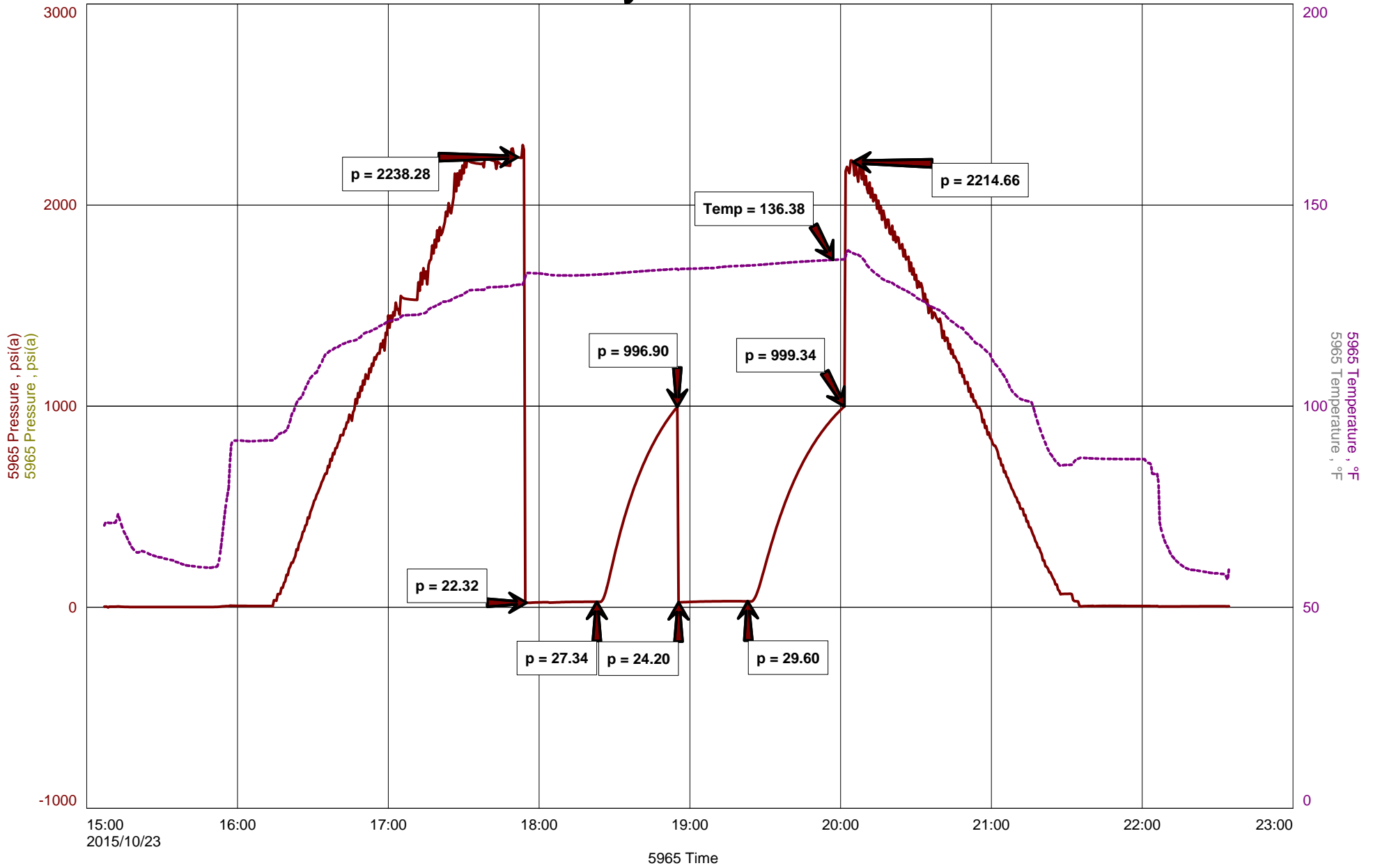


Casey 2-7 DST 4





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	LD Drilling	Kim Shoemaker	Job Number	W217
Contact		Casey 2-7	Representative	Wilbur Steinbeck
Well Name		DST 4 Paw/Cher 4628-4750	Well Operator	LD 1
Unique Well ID		7-2s-37 Cheyenne/Kans	Report Date	2015/10/23
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Kim Shoemaker

Test Information

Test Type	Conventional		
Formation	Paw/Cher		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/10/23	Start Test Time	15:07:00
Final Test Date	2015/10/23	Final Test Time	22:34:00

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 4

TIME ON: 15:07
TIME OFF: 22:34

Company LD Drilling Lease & Well No. Casey 2-7
Contractor LD Charge to LD
Elevation 2839 KB Formation _____ Paw/Cher _____ Effective Pay _____ Ft. Ticket No. W217
Date 10-23-15 Sec. 7 Twp. _____ 2 S Range _____ 37 W County _____ Cheyenne State KANSAS
Test Approved By Kim Shoemaker Diamond Representative _____ Wilbur Steinbeck

Formation Test No. 3 Interval Tested from 4628 ft. to 47 ft. Total Depth 4750 ft.

Packer Depth 4623 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4628 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4614 ft. Recorder Number _____ Cap. 5965 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 4629 ft. Recorder Number _____ Cap. 5587 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 67 Drill Collar Length _____ 0 ft. I.D. 2 1/4 in.

Weight 9.6 Water Loss 10.4 cc. Weight Pipe Length _____ 0 ft. I.D. 2 7/8 in.

Chlorides 2000 P.P.M. Drill Pipe Length 4595 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 122 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 1/2" died in 20 min No Return

2nd Open: Built to 6 1/2" No Return

Recovered 15 ft. of Mud

Recovered 15 ft. of Total Fluid

Recovered _____ ft. of _____ Ruined regular packer

Recovered _____ ft. of _____

Recovered _____ ft. of _____ 140 Miles RT Price Job _____

Recovered _____ ft. of _____ Other Charges _____

Remarks: Tool Sample=Mud Insurance _____

_____ Total _____

Time Set Packer(s) 17:55 A.M. P.M. Time Started Off Bottom 19:55 A.M. P.M. Maximum Temperature 136

Initial Hydrostatic Pressure..... (A) 2238 P.S.I.

Initial Flow Period..... Minutes 30 (B) 22 P.S.I. to (C) 27 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 997 P.S.I.

Final Flow Period..... Minutes 30 (E) 24 P.S.I. to (F) 30 P.S.I.

Final Closed In Period..... Minutes 30 (G) 999 P.S.I.

Final Hydrostatic Pressure..... (H) 2215 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.