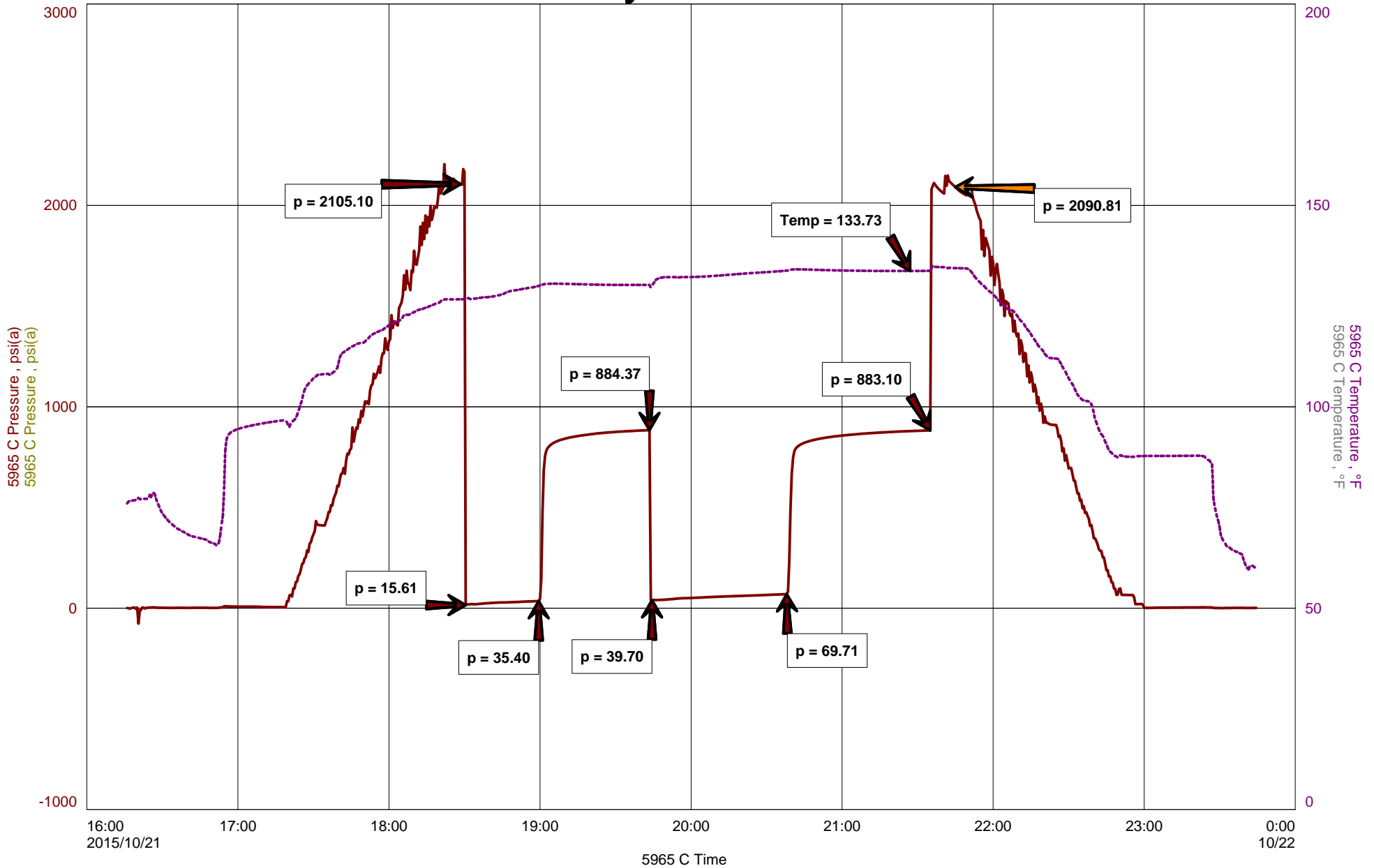


Casey 2-7 DST 3





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	LD Drilling	Kim Shoemaker	Job Number	W216
Contact		Casey 2-7 DST 1	Representative	Wilbur Steinbeck
Well Name		DST 3 Lan D-G 4322-4388	Well Operator	LD 1
Unique Well ID		7-2s-37 Cheyenne/Kans	Report Date	2015/10/21
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Kim Shoemaker

Test Information

Test Type	Conventional
Formation	Lan D-G
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test

Start Test Date	2015/10/21	Start Test Time	16:16:00
Final Test Date	2015/10/21	Final Test Time	23:47:00

Test Recovery

Recovery **3' Free Oil**
125' WCM with oil spots 35%W 65%M
128' Total Fluid

Tool Sample=WCM 25%W 75%M

RW=27



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: Casey 2-7 DST 3

TIME ON: 16:16
 TIME OFF: 23:47

Company LD Drilling Lease & Well No. Casey 2-7
 Contractor LD Charge to LD
 Elevation 2839 KB Formation _____ Lan D-G Effective Pay _____ Ft. Ticket No. W216
 Date 10-21-15 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 4322 ft. to 4388 ft. Total Depth 4388 ft.
 Packer Depth 4317 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 44322 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4308 ft. Recorder Number _____ 5965 Cap. _____ 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4323 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 67 Drill Collar Length _____ 0 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length _____ 0 ft. I.D. 2 7/8 in.
 Chlorides 1200 P.P.M. Drill Pipe Length 4289 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? Yes Reversed Out No Anchor Length 66 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 6" No Return
 2nd Open: Built to 6 1/2" No Return

Recovered 3 ft. of Free oil
 Recovered 125 ft. of WCM/with oil spots 35%W 65%M
 Recovered 128 ft. of Total Fluid

Recovered _____ ft. of _____	140 Miles RT	Price Job
Recovered _____ ft. of _____		Other Charges
Recovered _____ ft. of _____		Insurance
Remarks: Tool Sample=WCM 25%W 75%M RW=27,000		Total

Time Set Packer(s) 18:30 A.M. P.M. Time Started Off Bottom 21:30 A.M. P.M. Maximum Temperature 134
 Initial Hydrostatic Pressure..... (A) 2105 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 35 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 884 P.S.I.
 Final Flow Period..... Minutes 45 (E) 40 P.S.I. to (F) 70 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 883 P.S.I.
 Final Hydrostatic Pressure..... (H) 2091 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.