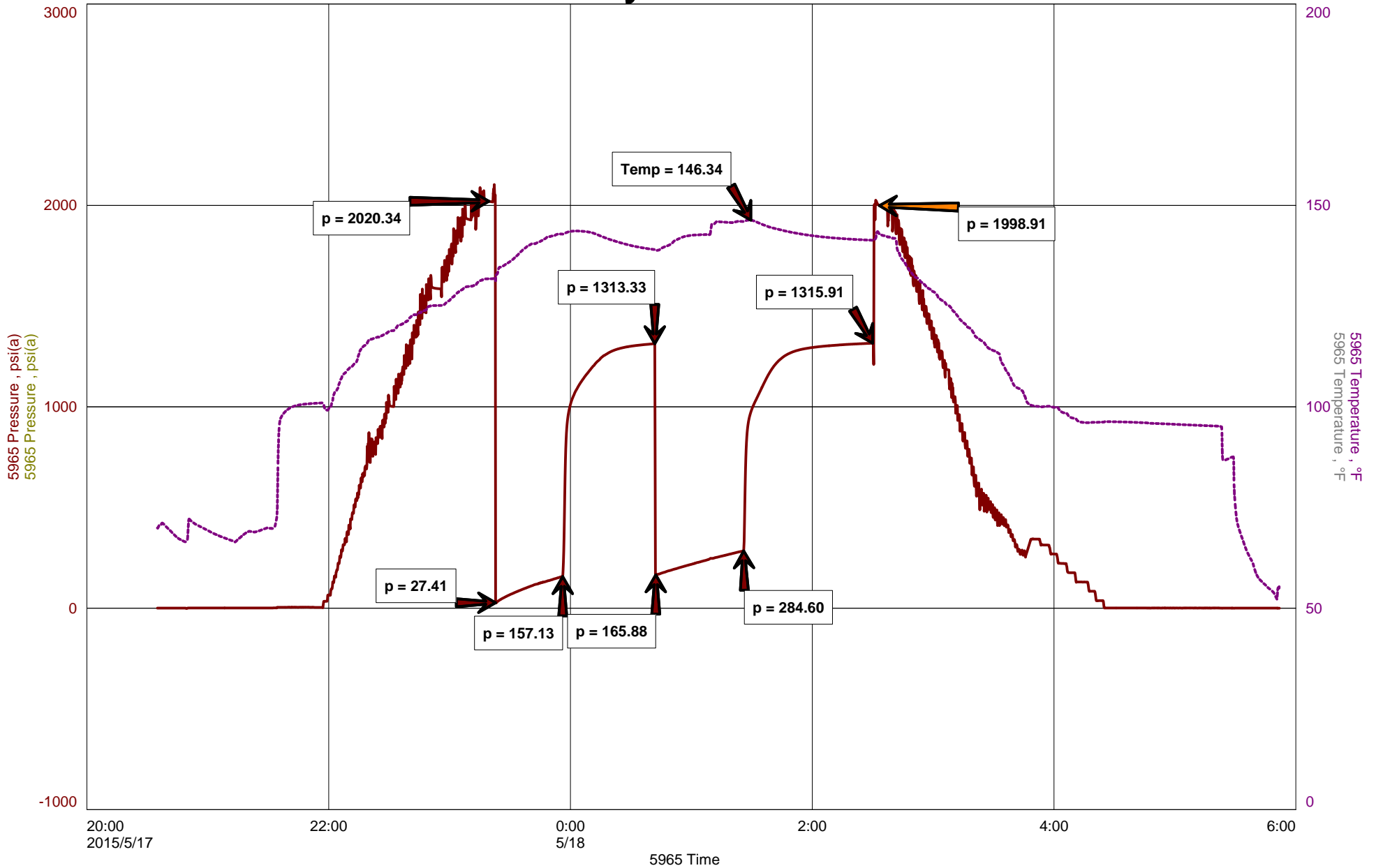


Casey 1-7 DST 1





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	LD Drilling	Kim Shoemaker	Job Number	W190
Contact		Casey 1-7	Representative	Wilbur Steinbeck
Well Name		DST 1 Lan A&B 4169-4300	Well Operator	LD 1
Unique Well ID		7-2s-37w Cheyenne/Kans	Report Date	2015/05/17
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Kim Shoemaker

Test Information

Test Type	Conventional		
Formation	Lan A&B		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/05/17	Start Test Time	20:35:00
Final Test Date	2015/05/18	Final Test Time	05:52:00

Test Recovery

Recovery 420' Gassy Free Oil
 240' GMCO 25%G 25%M 50%O
 660' Total Fluid
 600' GIP

Tool Sample GMCW 15%G 20%M 65%O

Corrected Gravity=36.8



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Casey 1-7 DST 1

TIME ON: 20:35
TIME OFF: 5:52

Company LD Drilling Lease & Well No. Casey 1-7
Contractor LD 1 Charge to LD Drilling
Elevation 3251 KB Formation _____ Lan A&B Effective Pay _____ Ft. Ticket No. W190
Date 5-1715 Sec. 7 Twp. _____ 2 S Range _____ 37 W County _____ Cheyenne State KANSAS
Test Approved By Kim Shoemaker Diamond Representative _____ Wilbur Steinbeck

Formation Test No. 1 Interval Tested from 4169 ft. to 4300 ft. Total Depth 4300 ft.
Packer Depth 4164 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4169 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4155 ft. Recorder Number _____ 5965 Cap. _____ 5000 P.S.I.
Bottom Recorder Depth (Outside) 4170 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 57 Drill Collar Length _____ 0 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 7.2 cc. Weight Pipe Length _____ 0 ft. I.D. 2 7/8 in.
Chlorides _____ 2000 P.P.M. Drill Pipe Length _____ 4136 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 _____ 131 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: BOB in 7 min Built to 11"
2nd Open: BOB in 8 min BOB in 33 min

Recovered 420 ft. of Gassy Free Oil
Recovered 240 ft. of GMCO 25%G 25%M 50%O
Recovered 660 ft. of Total Fluid
Recovered 600 ft. of GIP

Recovered _____ ft. of _____	135 Miles RT	Price Job
Recovered _____ ft. of _____		Other Charges
Remarks: <u>Tool Sample GMCO 15%G 20%M 65%O</u>		Insurance
Corrected Gravity= <u>36.8</u>		Total

Time Set Packer(s) 23:25 A.M. P.M. Time Started Off Bottom 2:25 A.M. P.M. Maximum Temperature 146
Initial Hydrostatic Pressure..... (A) _____ 2020 P.S.I.
Initial Flow Period..... Minutes 30 (B) _____ 27 P.S.I. to (C) _____ 157 P.S.I.
Initial Closed In Period..... Minutes 45 (D) _____ 1313 P.S.I.
Final Flow Period..... Minutes 45 (E) _____ 166 P.S.I. to (F) _____ 285 P.S.I.
Final Closed In Period..... Minutes 60 (G) _____ 1316 P.S.I.
Final Hydrostatic Pressure..... (H) _____ 1999 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.