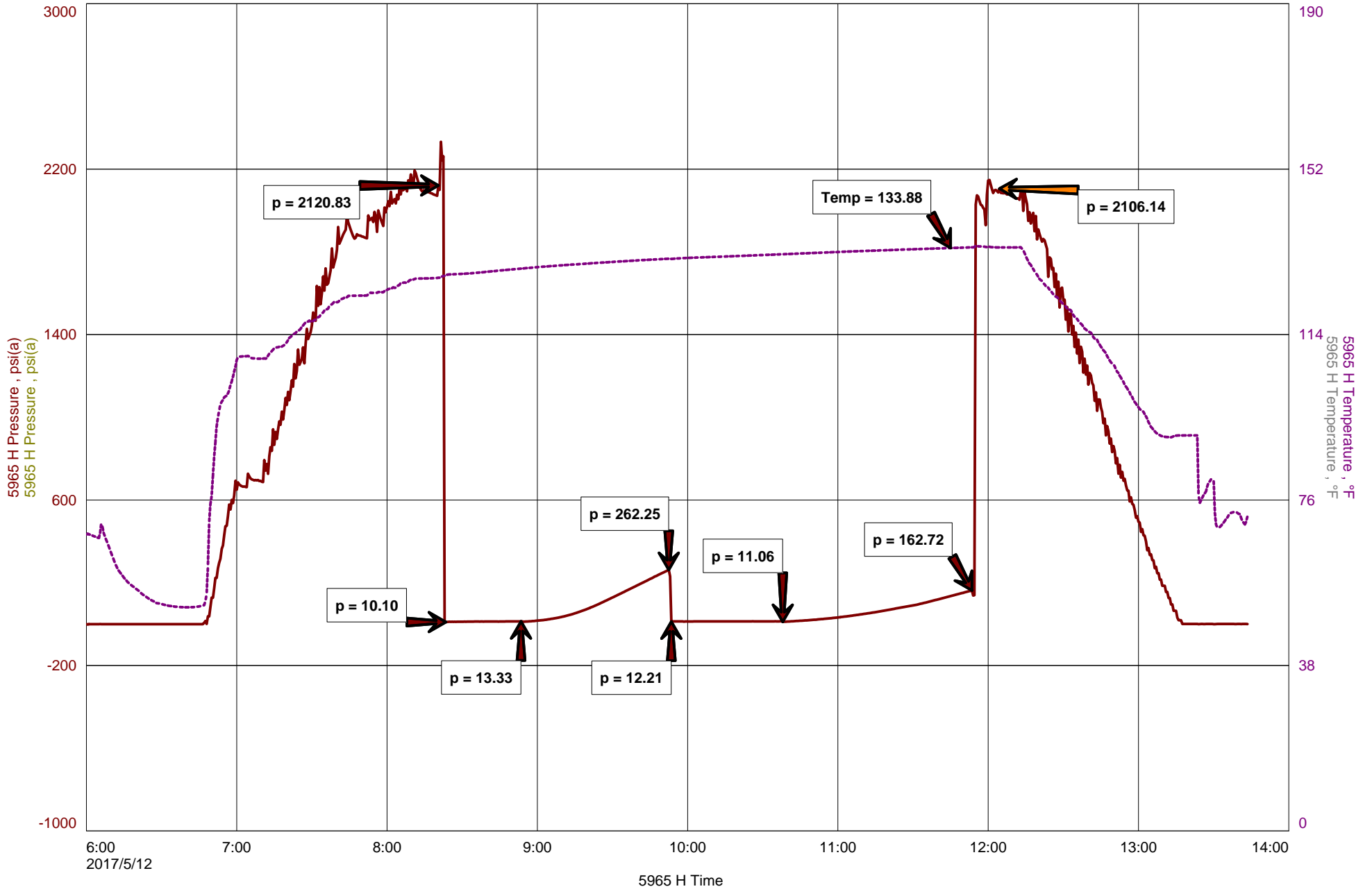


Raymond Oil
Start Test Date: 2017/05/12
Final Test Date: 2017/05/12

Haak-Sowers Unit #1
Formation: L/KC 140'-180'
Job Number: W285

Haak-Sowers Unit #1 DST 1





Diamond Testing General Report

Wil Steinbeck
TESTER
CELL: 620-282-9067

General Information

Company Name	Raymond Oil	Job Number	W285
Contact	Kim Shoemaker	Representative	Wilbur Steinbeck
Well Name	Haak-Sowers Unit #1	Well Operator	LD
Unique Well ID		Report Date	2017/05/12
Surface Location	20-4s-37w Cheyenne/Kan	Prepared By	Wilbur Steinbeck
Field	Wildcat	Qualified By	Kim Shoemaker

Test Information

Test Type	DST Conventional
Formation	L/KC 140'-180'
Well Fluid Type	
Test Purpose	

Start Test Date	2017/05/12	Start Test Time	06:00:00
Final Test Date	2017/05/12	Final Test Time	13:45:00

Test Recovery

RECOVERY:
4' Mud
4' Total Fluid

Tool Sample=Mud



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 6:00
 TIME OFF: 13:45

DRILL-STEM TEST TICKET
 FILE: Haak-Sowers Unit #1 DST 1

Company Raymond Oil Lease & Well No. Haak-Sowers Unit #1
 Contractor LD Rig 1 Charge to Raymond Oil
 Elevation 3446 KB Formation Pawnee Effective Pay _____ Ft. Ticket No. W285
 Date 5/12/17 Sec. 20 Twp. _____ 4 S Range _____ 37 W County Cheyenne State KANSAS
 Test Approved By Kim Shoemaker Diamond Representative WIL STEINBECK

Formation Test No. 1 Interval Tested from 4455 ft. to 4545 ft. Total Depth 4545 ft.
 Packer Depth 4450 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4455 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4441 ft. Recorder Number 5965 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4456 ft. Recorder Number 5587 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 8.8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 1500 P.P.M. Drill Pipe Length 4422 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number J&J Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? No Reversed Out No Anchor Length 90 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface blow died in 15 min No Return
 2nd Open: No Blow No Return

Recovered 4 ft. of Mud
 Recovered 4 ft. of Total Fluid
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>Tool Sample= Mud</u>	Total

Time Set Packer(s) 8:20 A.M. P.M. Time Started Off Bottom 11:50 A.M. P.M. Maximum Temperature 134

Initial Hydrostatic Pressure..... (A) 2121 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 13 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 262 P.S.I.
 Final Flow Period..... Minutes 45 (E) 12 P.S.I. to (F) 11 P.S.I.
 Final Closed In Period..... Minutes 75 (G) 163 P.S.I.
 Final Hydrostatic Pressure..... (H) 2106 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.