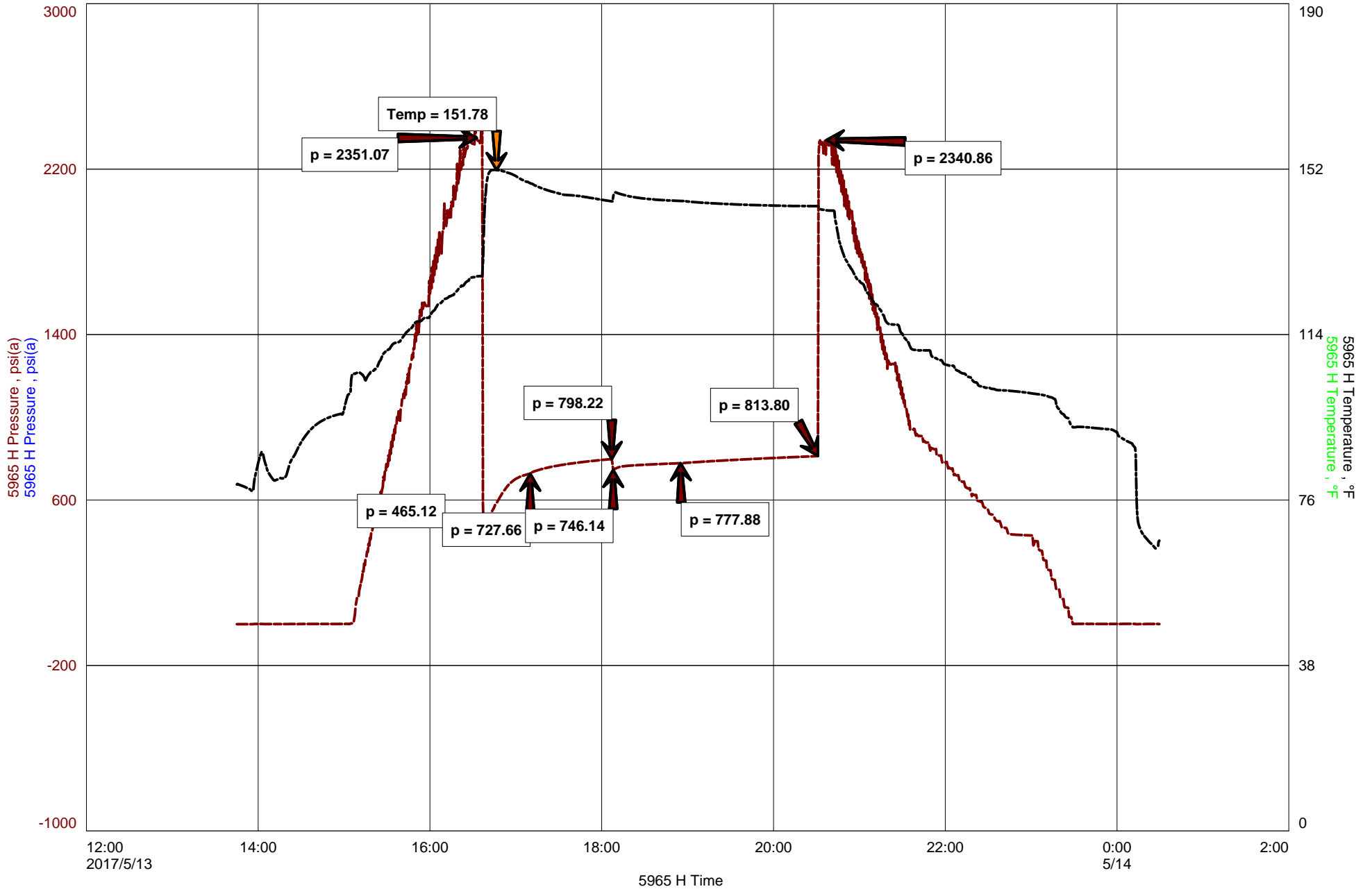


Raymond Oil
Start Test Date: 2017/05/13
Final Test Date: 2017/05/14

Haak-Sowers Unit #1
Formation: Pawnee
Job Number: W286

Haak-Sowers Unit #1 DST 2





Diamond Testing General Report

Wil Steinbeck
TESTER
CELL: 620-282-9067

General Information

Company Name	Raymond Oil	Job Number	W286
Contact	Kim Shoemaker	Representative	Wilbur Steinbeck
Well Name	Haak-Sowers Unit #1	Well Operator	LD
Unique Well ID		Report Date	2017/05/13
Surface Location	20-4s-37w Cheyenne/Kan	Prepared By	Wilbur Steinbeck
Field	Wildcat	Qualified By	Kim Shoemaker

Test Information

Test Type	DST Conventional
Formation	Pawnee
Well Fluid Type	
Test Purpose	

Start Test Date	2017/05/13	Start Test Time	13:45:00
Final Test Date	2017/05/14	Final Test Time	00:36:00

Test Recovery

RECOVERY:

800' Gassy Free Oil
700' GMOCW 10%G 10%M 30%O 50%W
400' MCW 5%M 95%W
1900' Total Fluid
1750' GIP

Tool Sample=Plugged with cutting

Corrected Gravity=31.8

Chlorides=28



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

TIME ON: 13:45
 TIME OFF: 00:36

DRILL-STEM TEST TICKET
 FILE: Haak-Sowers Unit #1 DST 2

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. W286
 Date 5/13/17 Sec. 20 Twp. 4 S Range 37 W County Cheyenne State KANSAS
 Test Approved By Kim Shoemaker Diamond Representative WIL STEINBECK

Formation Test No. 2 Interval Tested from 4700 ft. to 4750 ft. Total Depth 4750 ft.
 Packer Depth 4695 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4700 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4686 ft. Recorder Number 5965 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4701 ft. Recorder Number 5587 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 56 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 2500 P.P.M. Drill Pipe Length 4667 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? Yes Reversed Out No Anchor Length 50 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: BOB in 1 min BOB in 10 min
 2nd Open: BOB in 2 min BOB in 27 min

Recovered 800 ft. of Gassy Free Oil
 Recovered 700 ft. of GMOCW 10%G 10%M 30%O 50%W
 Recovered 400 ft. of MCW 5%M 95%W
 Recovered 1900 ft. of Total Fluid
 Recovered 1750 ft. of GIP

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>Tool Sample= Plugged with cuttings</u>	Insurance
<u>Corrected Gravity=31.8</u>	
<u>Chlorides=28,000</u>	Total

Time Set Packer(s) 16:40 A.M. P.M. Time Started Off Bottom 20:25 A.M. P.M. Maximum Temperature 152

Initial Hydrostatic Pressure..... (A) 2341 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 465 P.S.I. to (C) 728 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 798 P.S.I.
 Final Flow Period..... Minutes 45 (E) 746 P.S.I. to (F) 778 P.S.I.
 Final Closed In Period..... Minutes 75 (G) 814 P.S.I.
 Final Hydrostatic Pressure..... (H) 2341 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.