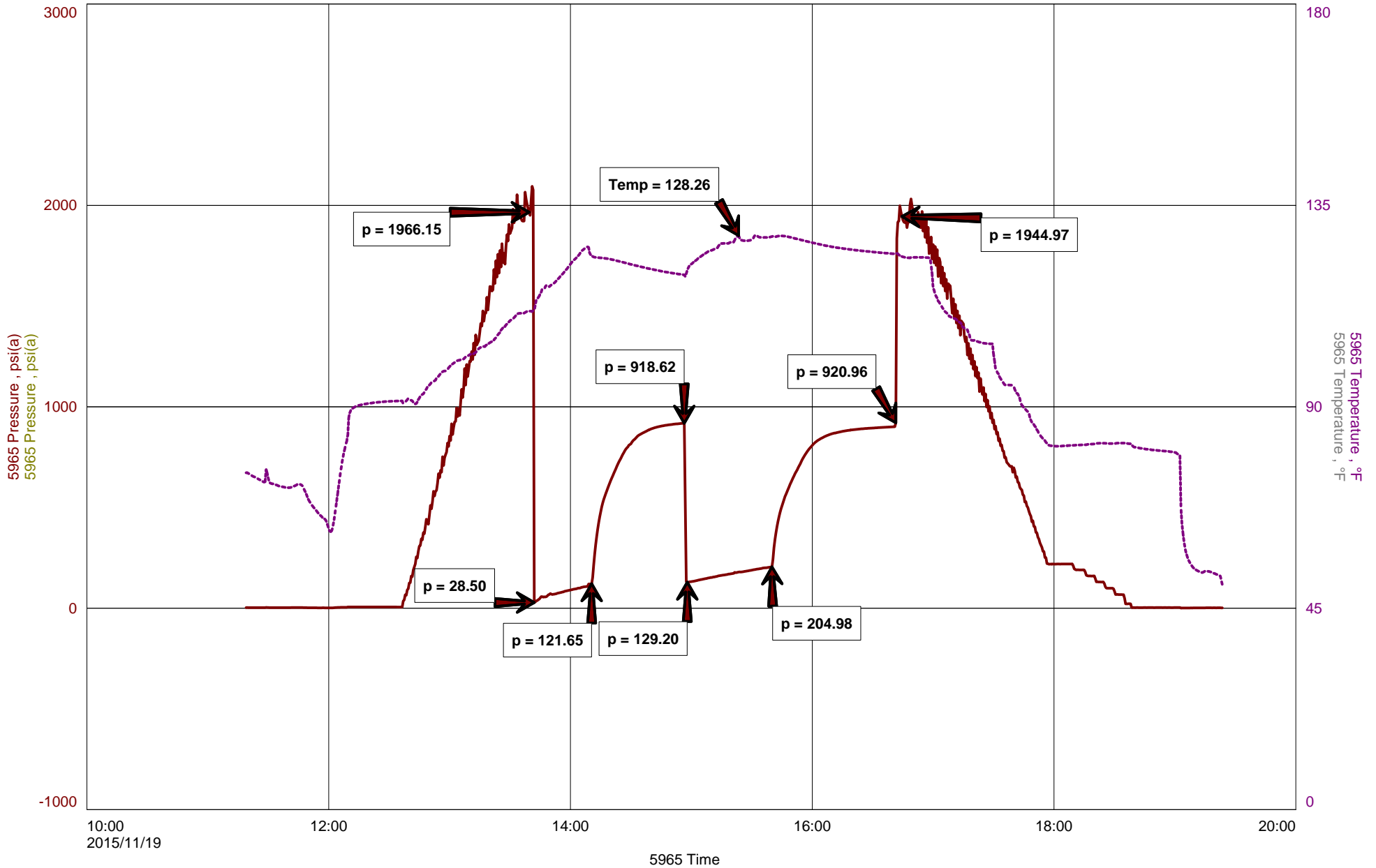


LD Drilling
DST 5 Ft. Scott/Johnson 4142-4242
Start Test Date: 2015/11/19
Final Test Date: 2015/11/19

Limited 2-31
Formation: Ft. Scott/Johnson
Job Number: W222

Limited 2-31 DST 5





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	LD Drilling	Kim Shoemaker	Job Number	W222
Contact		Limited 2-31	Representative	Wilbur Steinbeck
Well Name		DST 5 Ft. Scott/Johnson 4142-4242	Well Operator	LD 1
Unique Well ID		31-14s-29w Gove/Kans	Report Date	2015/11/19
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Kim Shoemaker

Test Information

Test Type	Conventional		
Formation	Ft. Scott/Johnson		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/11/19	Start Test Time	11:19:00
Final Test Date	2015/11/19	Final Test Time	19:24:00

Test Recovery

Recovery 180' Free Oil
 250' GMCO 10%G 40%M 50%O
 430' Total Fluid
 1000' GIP

Tool Sample=MCO 45%M 55%O

Corrected Gravity=33.6



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Limited 2-31 DST 5

TIME ON: 11:19
TIME OFF: 19:24

Company LD Drilling Lease & Well No. Limited 2-31
Contractor LD Charge to LD
Elevation 2619 KB Formation Ft. Scott/Johnson Effective Pay _____ Ft. Ticket No. W222
Date 11-19-15 Sec. 31 Twp. 14 S Range 29 W County Gove State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Wilbur Steinbeck

Formation Test No. 5 Interval Tested from 4142 ft. to 4242 ft. Total Depth 4242 ft.
Packer Depth 4137 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4142 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4128 ft. Recorder Number 5965 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4143 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 55 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1500 P.P.M. Drill Pipe Length 4109 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 100 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 6 min **No Return**
2nd Open: BOB in 6 min **BOB in 40 min**

Recovered 180 ft. of Gassy Free Oil
Recovered 250 ft. of GMCO 10%G 40%M 50%O
Recovered 430 ft. of Total Fluid
Recovered 1000 ft. of GIP

Recovered _____ ft. of _____	65 Miles RT	Price Job
Recovered _____ ft. of _____		Other Charges
Remarks: <u>Tool Sample=MCO 45%M 55%O</u>		Insurance
<u>Corrected Gravity=33.6</u>		Total

Time Set Packer(s) 13:40 A.M. P.M. Time Started Off Bottom 16:45 A.M. P.M. Maximum Temperature 128

Initial Hydrostatic Pressure..... (A) 1966 P.S.I.
Initial Flow Period..... Minutes 30 (B) 29 P.S.I. to (C) 122 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 919 P.S.I.
Final Flow Period..... Minutes 45 (E) 129 P.S.I. to (F) 205 P.S.I.
Final Closed In Period..... Minutes 60 (G) 921 P.S.I.
Final Hydrostatic Pressure..... (H) 1945 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.