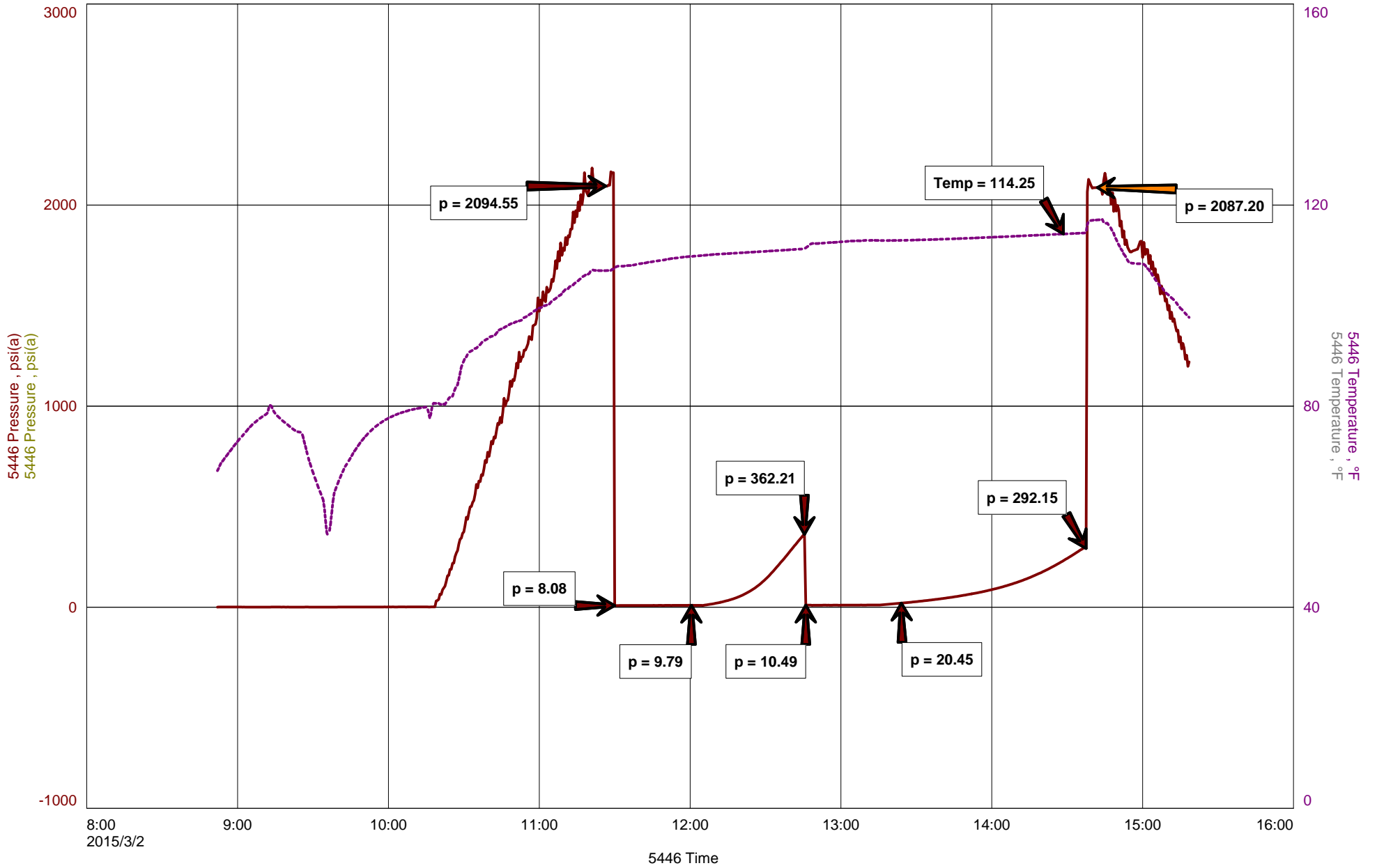


Watt 3-10 DST 5





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	LD Drilling	Kim Shoemaker	Job Number	W173
Contact		Watt 3-10	Representative	Wilbur Steinbeck
Well Name		DST 5 Johnson	Well Operator	LD
Unique Well ID		4370-4415	Report Date	2015/03/02
Surface Location		10-16s-30w Lane/Kans	Prepared By	Wilbur Steinbeck
Field		Wildcat	Qualified By	Kim Shoemaker

Test Information

Test Type	Conventional		
Formation	Johnson		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2015/03/02	Start Test Time	08:52:00
Final Test Date	2015/03/02	Final Test Time	16:40:00

Test Recovery

Recovery 10' Slightly oil cut mud 2%O 985M
10' Total Fluid

Tool Sample Mud with oil spots



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Watt 3-10 DST 5

TIME ON: 8:52
TIME OFF: 16:40

Company LD Drilling Lease & Well No. Watt 3-10
Contractor LD Charge to LD Drilling
Elevation 2728 KB Formation Johnson Effective Pay _____ Ft. Ticket No. W173
Date 3-2-15 Sec. 10 Twp. _____ 16 S Range _____ 30 W County _____ Lane _____ State KANSAS
Test Approved By Kim Shoemaker Diamond Representative _____ Wilbur Steinbeck

Formation Test No. 5 Interval Tested from 4370 ft. to 4415 ft. Total Depth 4415 ft.
Packer Depth 4365 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4370 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4366 ft. Recorder Number 5446 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4371 ft. Recorder Number 5965 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 9.5 Water Loss 9.5 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 9.6 P.P.M. Drill Pipe Length 4337 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 3800 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? Yes Reversed Out No Anchor Length 45 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 1 1/2" Surface blow
2nd Open: Built to 3/4" Built to 1/2"

Recovered 10 ft. of Slightly oil cut mud
Recovered 10 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: _____	Total
Tool Sample <u>Mud with oil spots</u>	

Time Set Packer(s) 11:30 A.M. P.M. Time Started Off Bottom 14:30 A.M. P.M. Maximum Temperature 114
Initial Hydrostatic Pressure..... (A) 2095 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 10 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 362 P.S.I.
Final Flow Period..... Minutes 45 (E) 10 P.S.I. to (F) 20 P.S.I.
Final Closed In Period..... Minutes 60 (G) 292 P.S.I.
Final Hydrostatic Pressure..... (H) 2087 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.