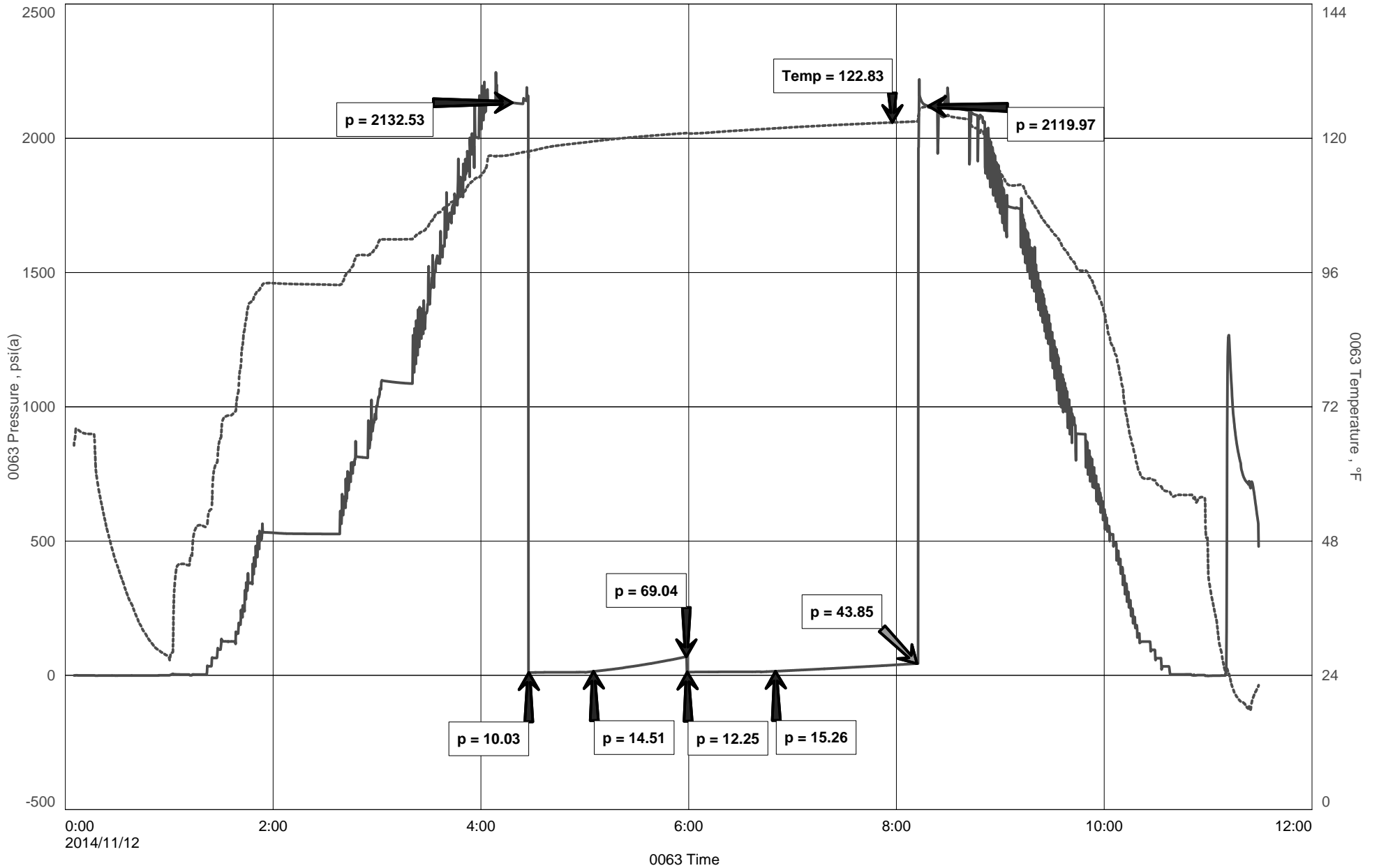


L&J Hartman #1





Michael Carroll
620-617-0368
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Hoisington, Kansas

General Information

Company Name Raymond Oil Company

Contact Ted McHenry
Well Name L&J Hartman #1
Unique Well ID Dst #3 Marmaton 'C' 4334-4403'
Surface Location Sec14-11s-29w Gove County
Field WC
Well Type Vertical
Test Type Drill Stem Test
Well Operator Raymond Oil Company

Formation Dst #3 Marmaton 'C' 4334-4403'
Well Fluid Type 01 Oil
Test Purpose Initial Test
Start Test Date 2014/11/12
Start Test Time 00:05:00
Final Test Time 23:29:00
Job Number P0017
Report Date 2014/11/12
Prepared By Michael Carroll

Double-Click In Design View
To Select/Edit
[DataChart][1]

TEST RECOVERY

Remarks Recovery:

15' OSM 2%O 98%

15' Total Fluid

Tool Sample:

1%O 99%M



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: LJHartman1Dst#3

TIME ON: 0005
 TIME OFF: 2329

Company Raymond Oil Company Lease & Well No. L&J Hartman #1
 Contractor H2 Drilling LLC Charge to Raymond Oil Company
 Elevation 2835KB Formation Marmaton 'C' Effective Pay _____ Ft. Ticket No. P0017
 Date 11-12-14 Sec. 14 Twp. 11 S Range 29 W County Gove State KANSAS
 Test Approved By Max Lovely Diamond Representative Michael Carroll

Formation Test No. 3 Interval Tested from 4334 ft. to 4403 ft. Total Depth 4403 ft.
 Packer Depth 4329 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4334 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4316 ft. Recorder Number 0063 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 4371 ft. Recorder Number E1150 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 55 Drill Collar Length 251 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 2200 P.P.M. Drill Pipe Length 4051 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 3 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 69(37.5a) 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: WSB-DIED IN 20MINS **NOBB**
 2nd Open: NO BLOW-NO BUILD **NOBB**

Recovered 15 ft. of OSM 2%O 98%M
 Recovered 15 ft. of TOTAL FLUID
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks:	Price Job
	Other Charges
	Insurance
	Total

TOOL SAMPLE: 1%O 99%M

Time Set Packer(s) 4:26P.M. A.M. P.M. Time Started Off Bottom 8:11P.M. A.M. P.M. Maximum Temperature 123
 Initial Hydrostatic Pressure..... (A) 2133 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 15 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 69 P.S.I.
 Final Flow Period..... Minutes 45 (E) 12 P.S.I. to (F) 15 P.S.I.
 Final Closed In Period..... Minutes 90 (G) 44 P.S.I.
 Final Hydrostatic Pressure..... (H) 2120 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.