



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: LJHartman1Dst#1

TIME ON: 2135 11-9
TIME OFF: 0820 11-10

Company Raymond Oil Company Lease & Well No. L&J Hartman #1
Contractor H2 Drilling LLC Charge to Raymond Oil Company
Elevation 2835KB Formation LKC 35'-50'-70' Effective Pay _____ Ft. Ticket No. P0015
Date 11-09-14 Sec. 14 Twp. 11 S Range 29 W County Gove State KANSAS
Test Approved By Max Lovely Diamond Representative Michael Carroll

Formation Test No. 1 Interval Tested from 3999 ft. to 4072 ft. Total Depth 4153 ft.
Packer Depth 3994 ft. Size 6 3/4 in. Packer depth 4072 ft. Size 6 3/4 in.
Packer Depth 3999 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3981 ft. Recorder Number 0063 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth 4150 ft. Recorder Number 6884 Cap. 6275 P.S.I.

Mud Type Chem Viscosity 46 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 1500 P.P.M. Drill Pipe Length 3797 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 73(31dp) ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 81' tail pipe Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/4" BLOW-BUILT TO 3 1/4" IN 30MINS NOBB
2nd Open: NO BLOW-BUILT TO 2 1/4" IN 45MINS NOBB

Recovered 64 ft. of M 100%M
Recovered 126 ft. of WCM 45%W 55%M
Recovered 190 ft. of TOTAL FLUID
Recovered _____ ft. of CHLOIDES 34000PPM RW .51@43DEGREES

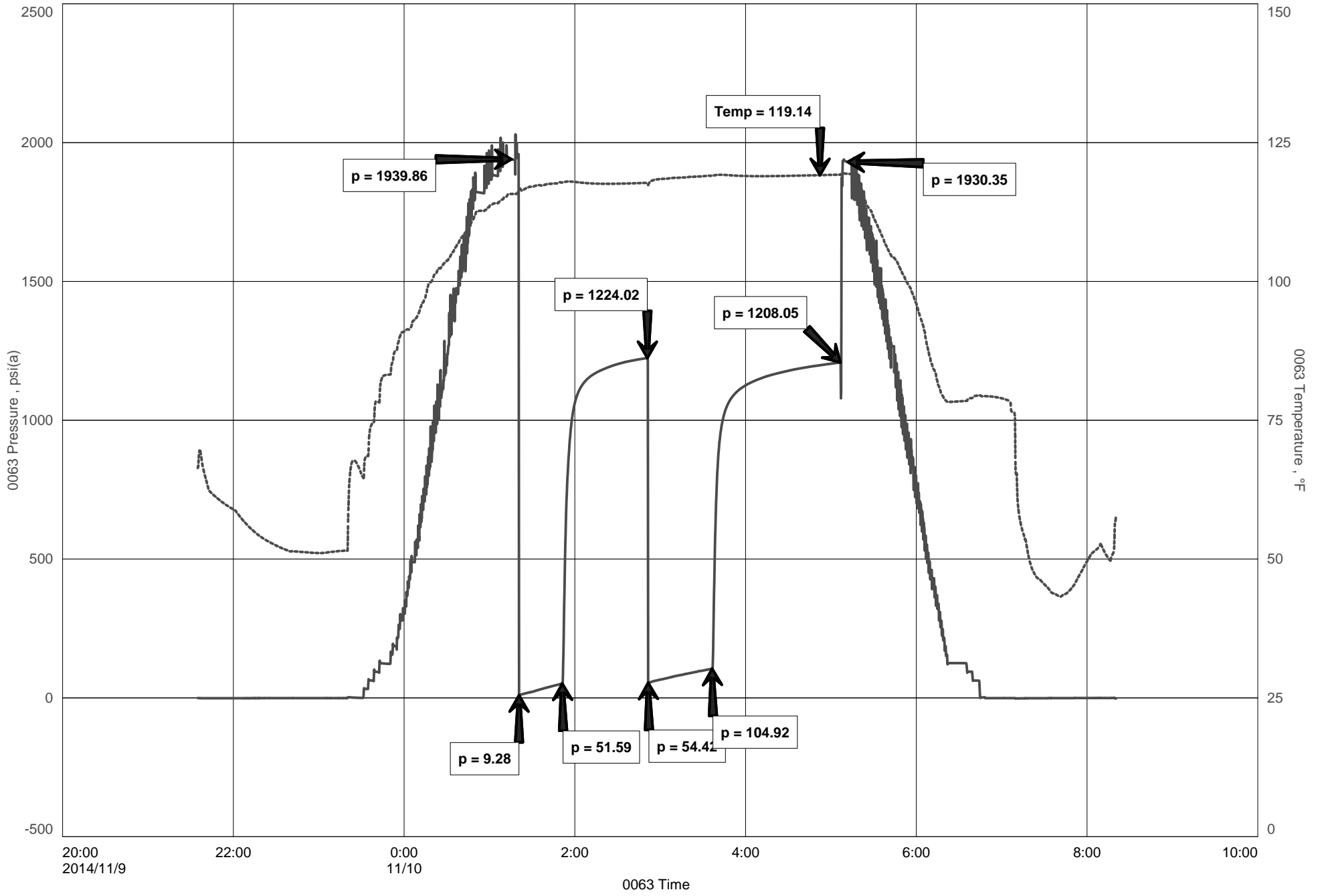
Recovered _____ ft. of <u>PH 11.0</u>	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>BELOW STRADDLE PSI: 1804</u>	Insurance
TOOL SAMPLE:	Total

Time Set Packer(s) 1:19A.M. A.M. P.M. Time Started Off Bottom 5:04A.M. A.M. P.M. Maximum Temperature 119

Initial Hydrostatic Pressure..... (A) 1940 P.S.I.
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 52 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1224 P.S.I.
Final Flow Period..... Minutes 45 (E) 54 P.S.I. to (F) 105 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1208 P.S.I.
Final Hydrostatic Pressure..... (H) 1930 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.

L&J Hartman #1





Hoisington, Kansas

Michael Carroll
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General Information

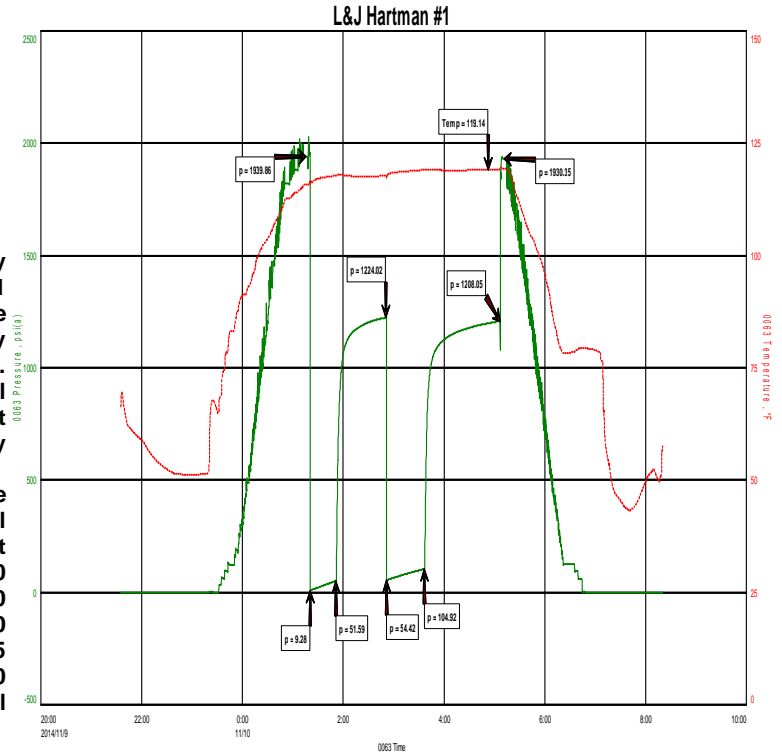
Company Name Raymond Oil Company

Contact
Well Name
Unique Well ID
Surface Location
Field
Well Type
Test Type
Well Operator

Ted McHenry
L&J Hartman #1
Dst #1 L/KC 35'-50'-70' 3999'-4072' Straddle
Sec14-11s-29w Gove County
W.C.
Vertical
Drill Stem Test
Raymond Oil Company

Formation
Well Fluid Type
Test Purpose
Start Test Date
Start Test Time
Final Test Time
Job Number
Report Date
Prepared By

Dst #1 L/KC 35'-50'-70' 3999'-4072' Straddle
01 Oil
Initial Test
2014/11/10
21:35:00
08:20:00
P0015
2014/11/10
Michael Carroll



TEST RECOVERY

Remarks Recovery:

64' mud 100%
 126' wcm 45%w 55%
 190' total fluid
 chloirides 34000ppm rw .51 @43degrees
 ph 11.0

tool sample:

8%w 92%
 8%w 92%
 8%w 92%