

DIAMOND TESTING

General Information Report

General Information

Company Name RAYMOND OIL COMPANY, INC.
Contact CLARKE SANDBERG
Well Name HINEMAN #1
Unique Well ID DST #1, LKC 200', 4284-4315
Surface Location SEC 9-19S-27W, LANE CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, LKC 200', 4284-4315
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator RAYMOND OIL COMPANY, INC.
Report Date 2013/10/26
Prepared By TIM VENTERS
Qualified By KIM SHOEMAKER

Start Test Date 2013/10/26
Final Test Date 2013/10/26

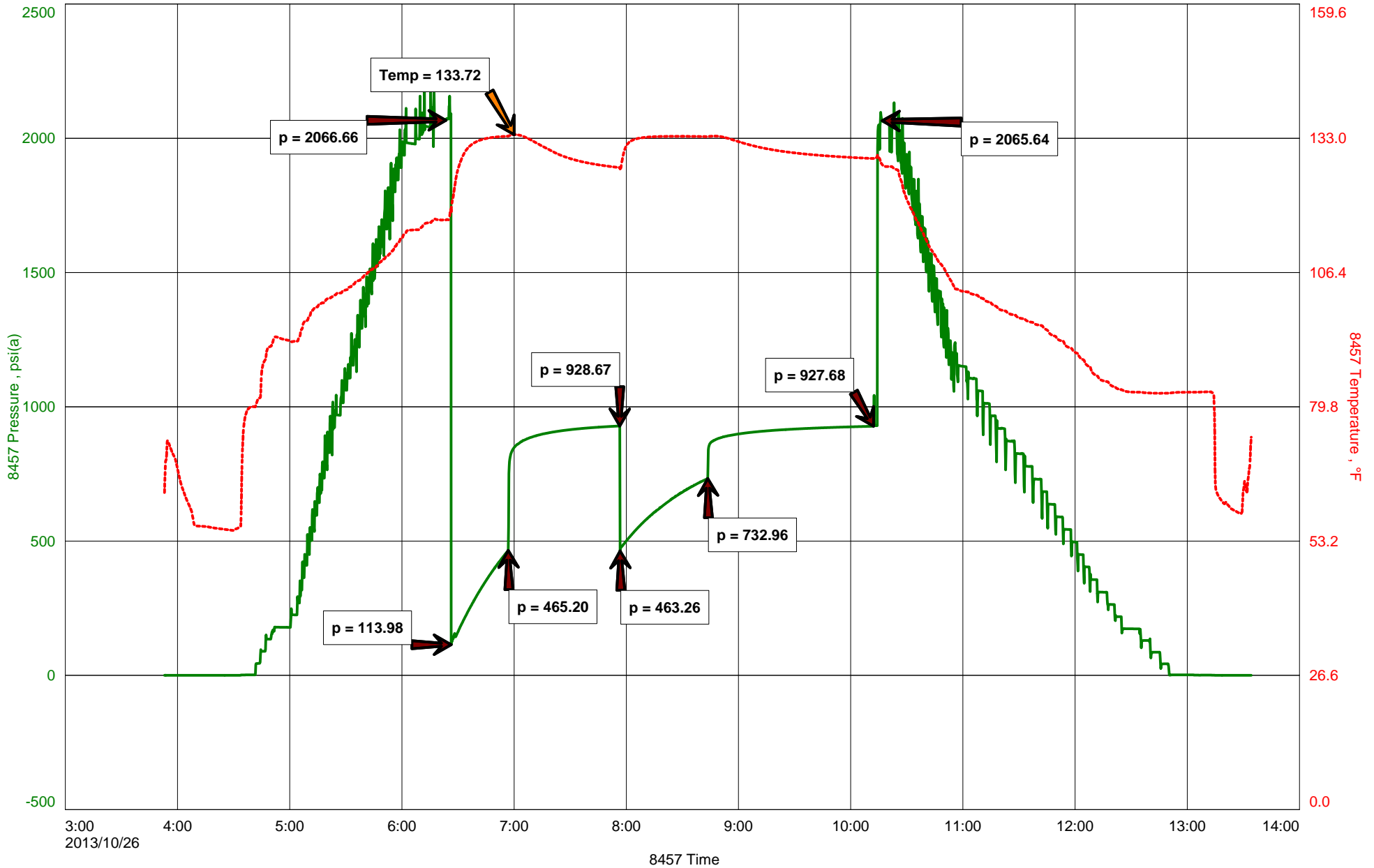
Start Test Time 03:53:00
Final Test Time 13:34:00

Test Recovery:

RECOVERED: 1850' GAS IN PIPE
2125' GO, 14% GAS, 86% OIL, GRAVITY: 37
185' G,MCO, 11% GAS, 57% OIL, 32% MUD
90' G,SMCO, 14% GAS, 78% OIL, 8% MUD
2400' TOTAL FLUID

TOOL SAMPLE: GAS BLEW OUT

HINEMAN #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HINEMAN1DST1

TIME ON: 03:53
TIME OFF: 13:34

Company RAYMOND OIL COMPANY, INC. Lease & Well No. HINEMAN #1
Contractor H2 DRILLING, LLC RIG #1 Charge to RAYMOND OIL COMPANY, INC.
Elevation 2724 KB Formation LKC 200' Effective Pay _____ Ft. Ticket No. T272
Date 10-26-13 Sec. 9 Twp. 19 S Range 27 W County LANE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 4284 ft. to 4315 ft. Total Depth 4315 ft.
Packer Depth 4279 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4284 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4265 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4312 ft. Recorder Number 11030 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 48 Drill Collar Length 368 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,800 P.P.M. Drill Pipe Length 3883 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 31 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: STRONG 3 INCH BLOW, BUILDING, REACHING BOB 1 MIN. (BOB BB)
2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 3 MIN. (BOB BB)

Recovered 1850 ft. of GAS IN PIPE
Recovered 2125 ft. of GO, 14% GAS, 86% OIL, GRAVITY: 37
Recovered 185 ft. of G,MCO, 11% GAS, 57% OIL, 32% MUD
Recovered 90 ft. of G,SMCO, 14% GAS, 78% OIL, 8% MUD
Recovered 2400 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Remarks: <u>WE SLID ABOUT 3' WHEN SETTING TOOL.</u>	Other Charges
<u>WE GOT GAS TO SURFACE DURING THE FINAL SHUT-IN PERIOD.</u>	Insurance
<u>TOOL SAMPLE: GAS BLEW OUT</u>	Total

Time Set Packer(s) 6:26 AM A.M. P.M. Time Started Off Bottom 10:11 AM A.M. P.M. Maximum Temperature 134 deg.

Initial Hydrostatic Pressure..... (A) 2067 P.S.I.
Initial Flow Period..... Minutes 30 (B) 114 P.S.I. to (C) 465 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 929 P.S.I.
Final Flow Period..... Minutes 45 (E) 463 P.S.I. to (F) 733 P.S.I.
Final Closed In Period..... Minutes 90 (G) 928 P.S.I.
Final Hydrostatic Pressure..... (H) 2066 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.