

DIAMOND TESTING

General Information Report

General Information

Company Name RAYMOND OIL COMPANY, INC.
Contact CLARKE SANDBERG
Well Name HINEMAN #1
Unique Well ID DST #2, FT. SCOTT, 4530-4590
Surface Location SEC 9-19S-27W, LANE CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, FT. SCOTT, 4530-4590
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator RAYMOND OIL COMPANY, INC.
Report Date 2013/10/28
Prepared By TIM VENTERS
Qualified By KIM SHOEMAKER

Start Test Date 2013/10/27
Final Test Date 2013/10/27

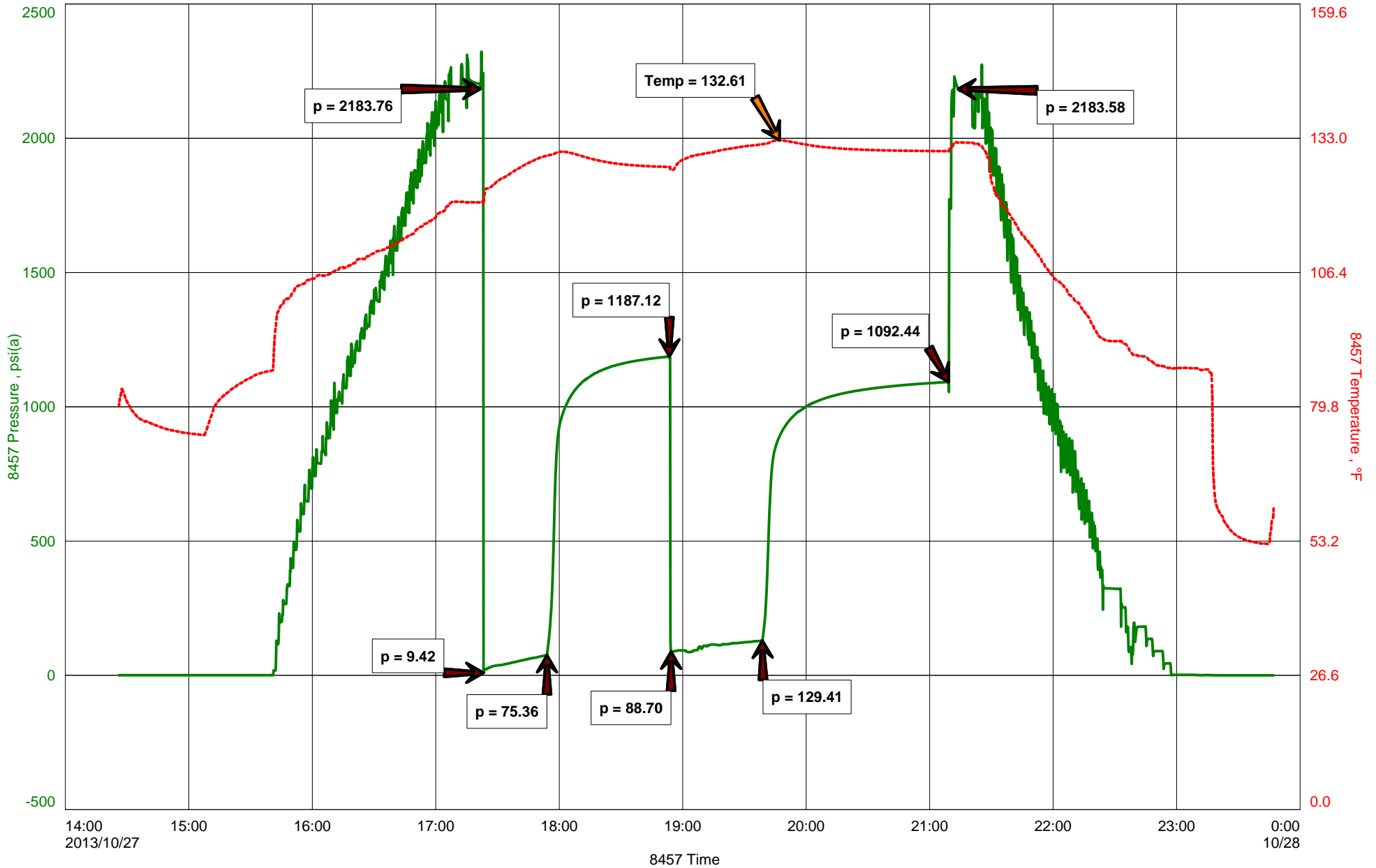
Start Test Time 14:26:00
Final Test Time 23:48:00

Test Recovery:

RECOVERED: 2210' GAS IN PIPE
45' GO, 6% GAS, 94% OIL, GRAVITY: 40
370' G,SMCO, 4% GAS, 88% OIL, 8% MUD
415' TOTAL FLUID

TOOL SAMPLE: 7% GAS, 93% OIL

HINEMAN #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HINEMAN1DST2

TIME ON: 14:26
TIME OFF: 23:48

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 FT. SCOTT Effective Pay _____ Ft. Ticket No. T273
Date 10-27-13 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. 2 Interval Tested from 4530 ft. to 4590 ft. Total Depth 4590 ft.
Packer Depth 4525 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4530 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4511 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4587 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 56 Drill Collar Length 368 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 5,2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,200 P.P.M. Drill Pipe Length 4129 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 29 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{31' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 3 1/2 MIN. (WS BB)
2nd Open: WEAK 1/2 INCH BLOW, BUILDING, REACHING BOB 7 MIN. (NO BB)

Recovered 2210 ft. of GAS IN PIPE
Recovered 45 ft. of GO, 6% GAS, 84% OIL, GRAVITY: 40
Recovered 370 ft. of G,SMCO, 11% GAS, 88% OIL, 8% MUD
Recovered 415 ft. of TOTAL FLUID

| | |
|-------------------------------------|---------------|
| Recovered _____ ft. of _____ | Price Job |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____ | Insurance |
| TOOL SAMPLE: <u>7% GAS, 93% OIL</u> | Total |

Time Set Packer(s) 5:23 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 9:08 PM ^{A.M.}/_{P.M.} Maximum Temperature 133 deg.

Initial Hydrostatic Pressure..... (A) 2184 P.S.I.
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 75 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1187 P.S.I.
Final Flow Period..... Minutes 45 (E) 89 P.S.I. to (F) 129 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1092 P.S.I.
Final Hydrostatic Pressure..... (H) 2184 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.