

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	NOBLE PETROLEUM	Job Number	M464
Well Name	HANNAFORD #1	Representative	MIKE COCHRAN
Unique Well ID	DST#2 2413-2442 HUNTON	Well Operator	NOBLE PETROLEUM
Surface Location	SEC.36-21S-4E MARION CO.KS.	Report Date	2013/02/01
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	FRANK MIZE
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 2413-2442 HUNTON		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/01/31	Start Test Time	16:45:00
Final Test Date	2013/02/01	Final Test Time	02:05:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks **RECOVERED:**
78' GO 2% GAS, 98% OIL
504' GHMCO 2% GAS, 30% OIL, 68% MUD W/ A TR OF WTR (326' DP, 178' DC)
582' TOTAL FLUID

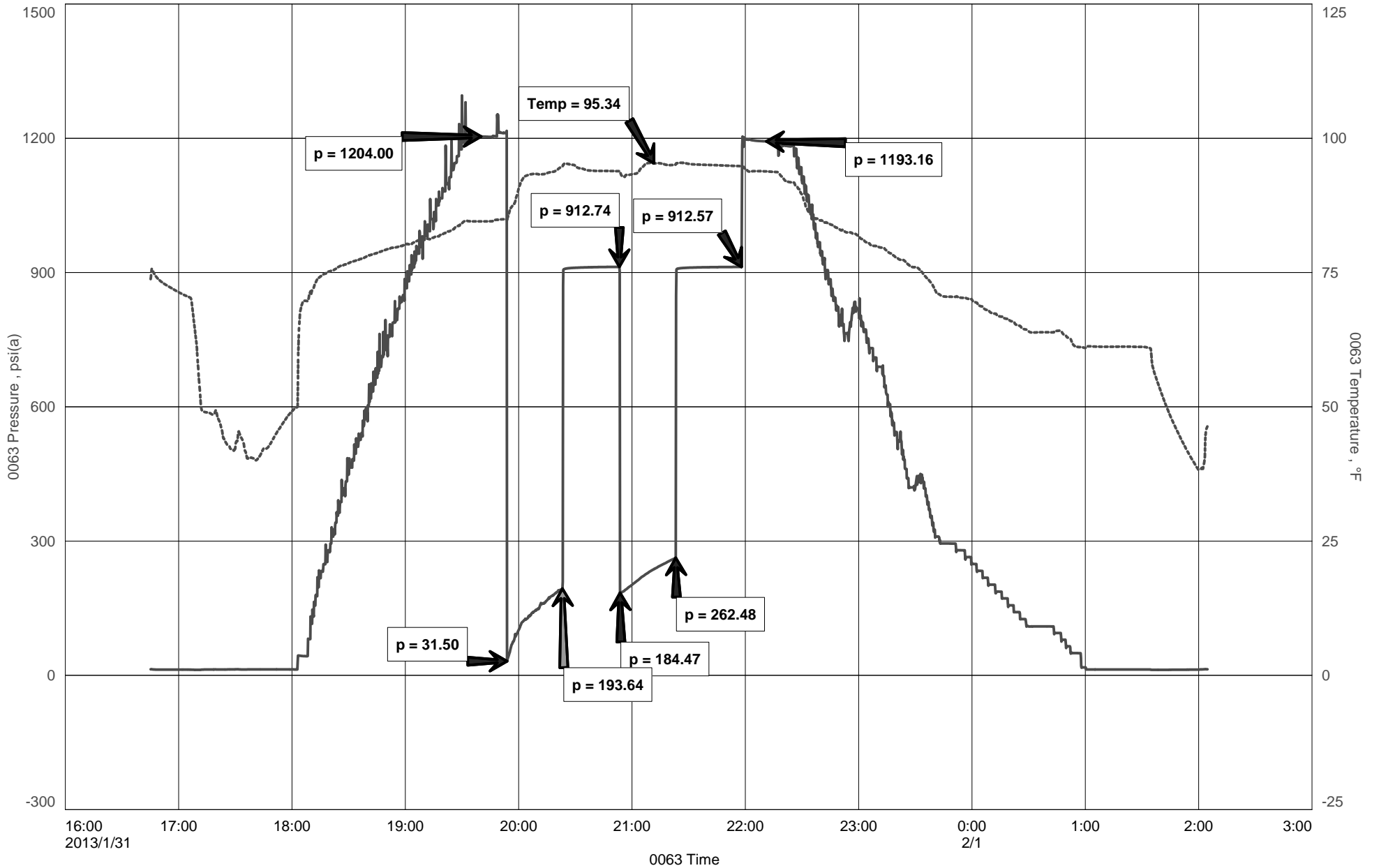
GRAVITY: 36.2 @ 60

TOOL SAMPLE: 100% OIL

NOBLE PETROLEUM
DST#2 2413-2442 HUNTON
Start Test Date: 2013/01/31
Final Test Date: 2013/02/01

HANNAFORD #1
Formation: DST#2 2413-2442 HUNTON
Pool: WILDCAT
Job Number: M464

HANNAFORD #1





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

TIME ON: _____
 TIME OFF: _____

Company _____ Lease & Well No. _____
 Contractor _____ Charge to _____
 Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
 Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
 Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
 Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length _____ 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: _____
 2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
 Initial Hydrostatic Pressure..... (A) _____ P.S.I.
 Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
 Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
 Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
 Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
 Final Hydrostatic Pressure..... (H) _____ 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.