



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: keesling1-1DST2

TIME ON: 14:02  
TIME OFF: 22:20

Company Hartman Oil Co Inc. Lease & Well No. Keesling #1-1  
Contractor H2 Drilling RIG 4 Charge to Hartman Oil Co Inc.  
Elevation 1907 KB Formation Viola Effective Pay -- Ft. Ticket No. S0485  
Date 8-21-14 Sec. 1 Twp. 24 S Range 13 W County Stafford State KANSAS  
Test Approved By Kitt Noah Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 3877 ft. to 3891 ft. Total Depth 3891 ft.

Packer Depth 3872 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 3877 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3858 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3880 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 52 Drill Collar Length 249 ft. I.D. 2 1/4 in.

Weight 9.5 Water Loss 12.6 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in

Chlorides 9500 P.P.M. Drill Pipe Length 3595 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 14 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: 1/2" Blow- Built to BB in 19 3/4 min NOBB

2nd Open: 2 1/2" Blow- Built to 7" in 60 min NOBB

Recovered 494 ft. of GIP

Recovered 7 ft. of MUD 100% M

Recovered 7 ft. of TOTAL FLUID

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

TOOL SAMPLE: No Fluid Present

Time Set Packer(s) 4:30 PM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 7:45 PM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 121

Initial Hydrostatic Pressure..... (A) 1852 P.S.I.

Initial Flow Period..... Minutes 30 (B) 18 P.S.I. to (C) 27 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 85 P.S.I.

Final Flow Period..... Minutes 60 (E) 23 P.S.I. to (F) 24 P.S.I.

Final Closed In Period..... Minutes 60 (G) 73 P.S.I.

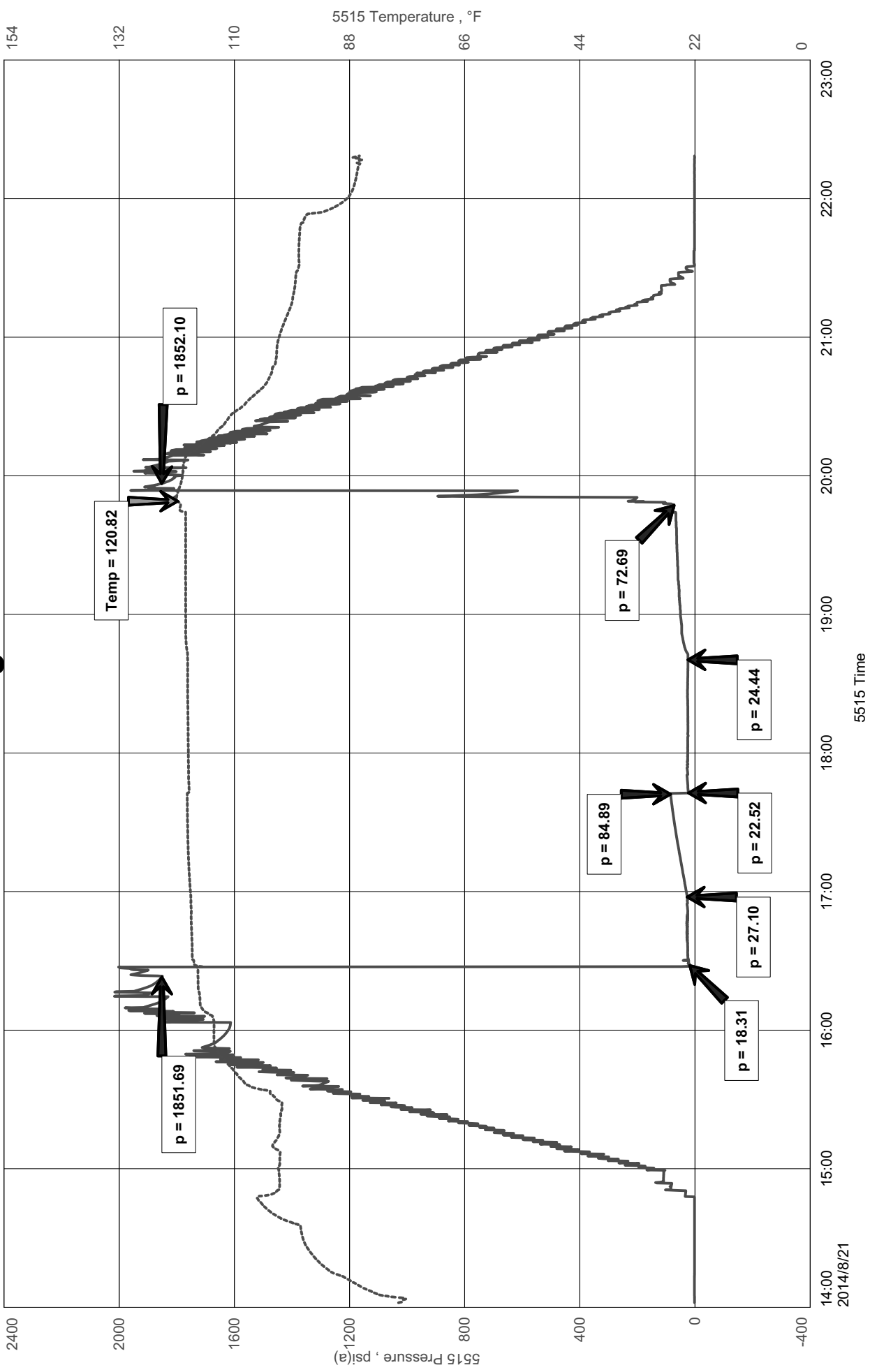
Final Hydrostatic Pressure..... (H) 1852 P.S.I.

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.

Hartman Oil Co Inc.  
DST #2 Viola 3877-3891'  
Start Test Date: 2014/08/21  
Final Test Date: 2014/08/21

Keesling #1-1  
Formation: DST #2 Viola 3877-3891'  
Pool: WC  
Job Number: S0485

# Keesling #1-1



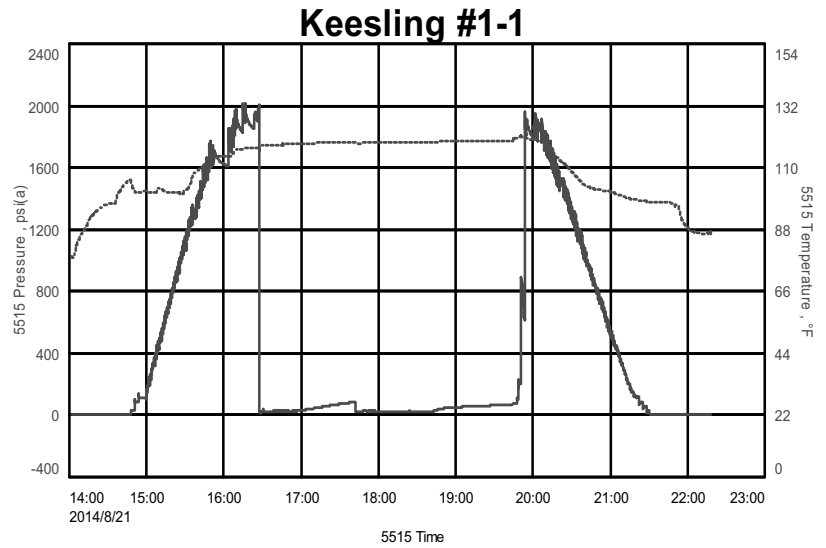
# Diamond Testing LLC

## General Information Report

Jacob McCallie  
620-617-7116  
mccallie.dtlc@gmail.com

### General Information

Company Name Hartman Oil Co Inc.  
Contact Stan Mitchell  
Well Name Keesling #1-1  
Unique Well ID DST #2 Viola 3877-3891'  
Surface Location SEC 1-24S-13W Stafford County  
Field Gray  
Well Type Vertical  
Test Type Drill Stem Test  
Formation DST #2 Viola 3877-3891'  
Well Fluid Type 02 Gas  
Start Test Date 2014/08/21  
Start Test Time 14:02:00  
Final Test Date 2014/08/21  
Final Test Time 22:20:00  
Job Number S0485  
Representative Jacob McCallie  
Report Date 2014/08/21  
Qualified By Kitt Noah



### Test Results

#### RECOVERY:

494' GIP  
7' Mud 100% M  
7' TOTAL FLUID

#### TOOL SAMPLE:

No Fluid Present