15-055-22004

16-22s-33w

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

STC 30035.D109

Company Hartman Oil Co., Inc. Lease & Well No. Ward No. 6

Elevation 2891 KB Formation Lansing "H"-"I" Effective Pay -- Ft. Ticket No. C109

Date 10-26-08 Sec. 16 Twp. 22S Range 33W County Finney State Kansas

Test Approved By Wesley D. Hansen Diamond Representative Chris Redetzke

Formation Test No. 1 Interval Tested from 4,018 ft. to 4,072 ft. Total Depth 4,072 ft.

Packer Depth 4,013 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,018 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,021 ft. Recorder Number 30035 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,069 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor H2 Drilling, LLC - Rig 2 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 53 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 3,869 ft. I.D. 3 1/2 in.

Chlorides 2,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 54 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Fair, ½ in., blow increasing. Off bottom of bucket in 6 mins. Surface blow back during shut-in.
2nd Open: Fair, ½ in., blow increasing. Off bottom of bucket in 7½ mins. Weak surface blow back during shut-in.

Recovered 35 ft. of clean oil = .498050 bbls. (Gravity: 31 @ 60°)

Recovered 154 ft. of oil cut muddy water = 2.191420 bbls. (Grind out: 10%-oil; 40%-mud; 50%-water)

Recovered 744 ft. of slightly oil cut muddy water = 9.441990 bbls. (Grind out: 5%-oil; 10%-mud; 85%-water)

Chlorides: 32,000 Ppm

Recovered 933 ft. of TOTAL FLUID = 12.131460 bbls.

Recovered ft. of

Remarks Tool Sample Grind Out: 15%-oil; 20%-mud; 65%-water

Time Set Packer(s) 9:31 ~~A.M.~~ P.M. Time Started Off Bottom 12:31 ~~A.M.~~ P.M. Maximum Temperature 112°

Initial Hydrostatic Pressure			(A)	1944	P.S.I.	
Initial Flow Period	Minutes	30	(B)	53	P.S.I.	to (C) 263 P.S.I.
Initial Closed In Period	Minutes	45	(D)	1004	P.S.I.	
Final Flow Period	Minutes	45	(E)	272	P.S.I.	to (F) 474 P.S.I.
Final Closed In Period	Minutes	60	(G)	990	P.S.I.	
Final Hydrostatic Pressure			(H)	1948	P.S.I.	

GENERAL INFORMATION

Client Information:

Company: HARTMAN OIL CO. INC.

Contact: STAN MITCHELL

Phone: Fax: e-mail:

Site Information:

Contact: WES HANSEN

Phone: Fax: e-mail:

Well Information:

Name: WARD #6

Operator: HARTMAN OIL CO. INC.

Location-Downhole: DST #1 LANSING 'H,I' 4,018 - 4,072

Location-Surface: sec 16-22S-33W FINNEY COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: CHRIS

Supervisor: WES HANSEN

Test Type: CONVENTIONAL Job Number:

Test Unit: NO. 1

Start Date: 2008/10/26 Start Time: 18:40:00

End Date: 2008/10/27 End Time: 04:23:00

Report Date: Prepared By:

Remarks: Qualified By:

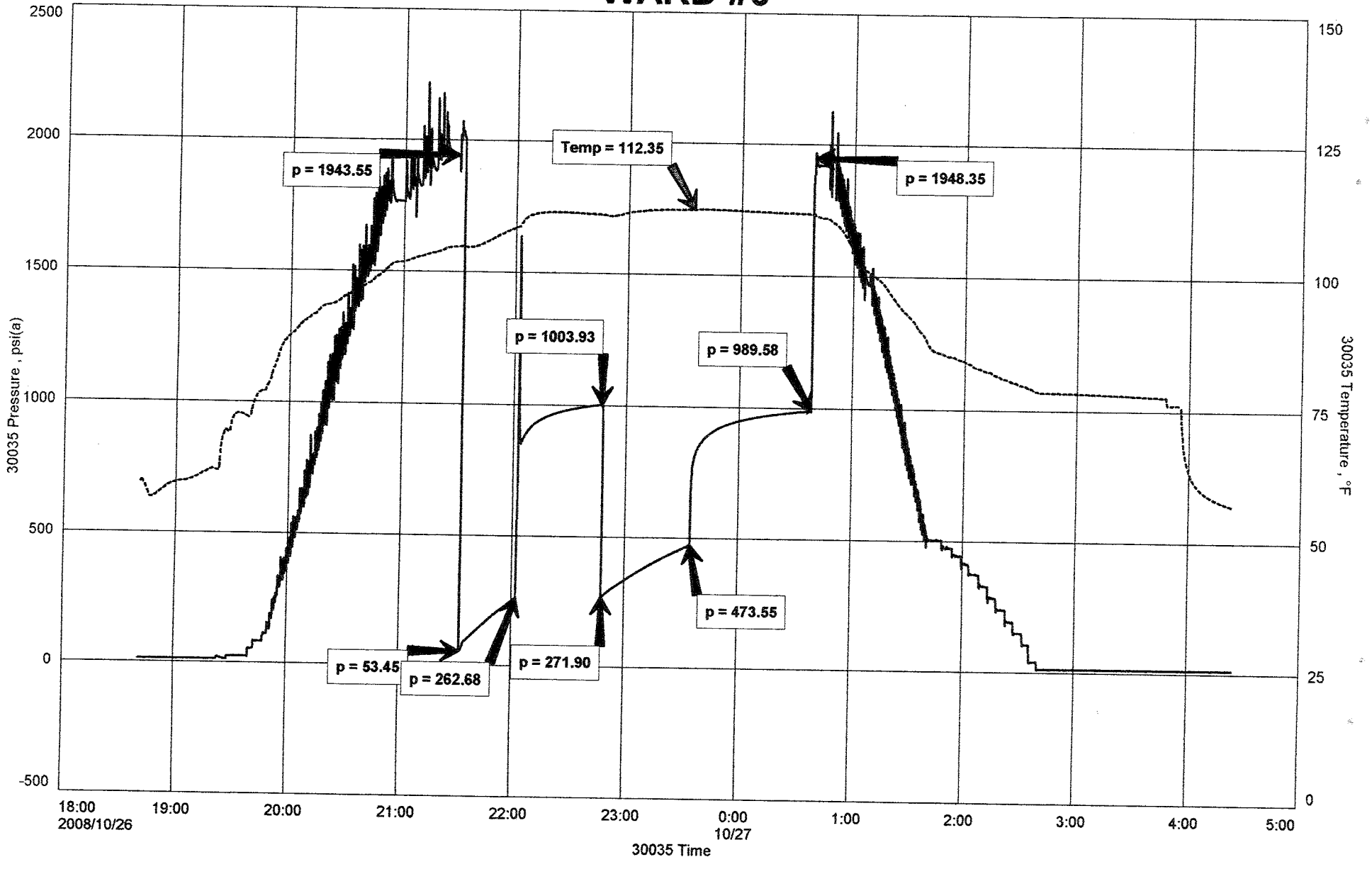
RECOVERED: 35' CLEAN OIL GRAVITY: 31 @ 60 deg. F.
154' O.C.M.W. 10% OIL, 40% MUD, 50% WTR
744' S.O.C.M.W. 5% OIL, 10% MUD, 85% WTR CHLORIDES: 32,000 ppm
933' TOTAL FLUID

TOOL SAMPLE: 15% OIL, 20% MUD, 65% WTR

HARTMAN OIL CO. INC.
DST #1 LANSING 'H,I' 4,018 - 4,072
Start Test Date: 2008/10/26
Final Test Date: 2008/10/27

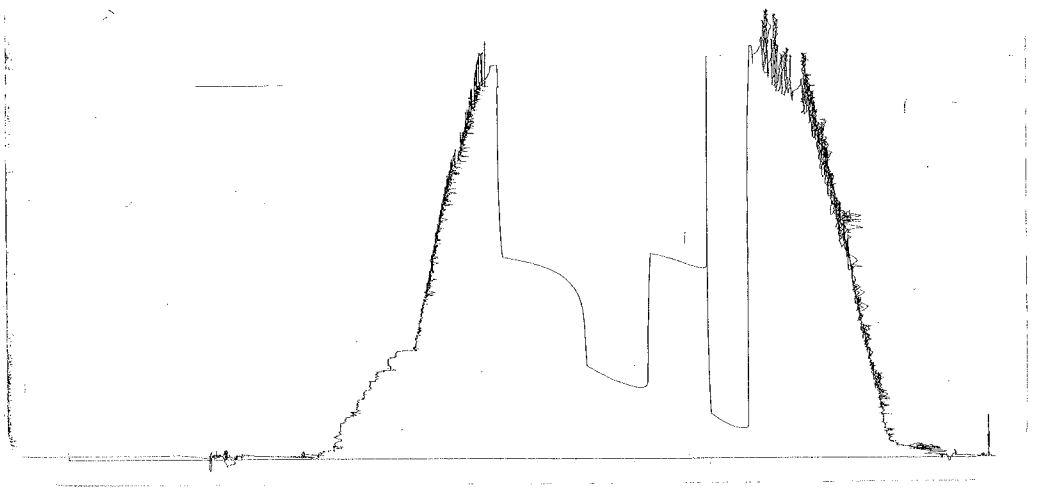
WARD #6
Formation: DST #1 LANSING 'H,I' 4,018 - 4,072
Pool: WILDCAT

WARD #6



DST #1 outside 13387 4018-4072

Lansing H-I Loc. 4069



This is an actual photograph of recorder chart.

POINT		PRESSURE Elec. Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1944	1944	PSI
(B)	First Initial Flow Pressure	53	53	PSI
(C)	First Final Flow Pressure	263	263	PSI
(D)	Initial Closed-in Pressure	1004	1004	PSI
(E)	Second Initial Flow Pressure	272	272	PSI
(F)	Second Final Flow Pressure	474	474	PSI
(G)	Final Closed-in Pressure	990	990	PSI
(H)	Final Hydrostatic Mud	1948	1948	PSI