DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550

Company Petroleum Management, Inc. Lease & Well No. Winzer No. 1

Elevation 1295 KB Formation Lansing Effective Pay -- Ft. Ticket No. 948

Date 4-25-93 Sec. 16 Twp. 28S Range 5E County Butler State Kansas

Test Approved By Bill Stout Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 1,853 ft. to 1,885 ft. Total Depth 1,885 ft.

Packer Depth 1,848 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 1,853 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 1,841 ft. Recorder Number 13386 Cap. 3,875 psi

Bottom Recorder Depth (Outside) 1,882 ft. Recorder Number 13556 Cap. 4,425 psi

Below Straddle Recorder Depth ____ ft. Recorder Number ____ Cap. ____

Drilling Contractor Summit Drilling Company Drill Collar Length 238 ft. I.D. 2¼ in.

Mud Type Chemical Viscosity 41 Weight Pipe Length -- I.D. -- in.

Weight 9.0 Water Loss 10.0 cc. Drill Pipe Length 1,588 ft. I.D. 2 3/8 in.

Chlorides 2,000 P.P.M. Test Tool Length 27 ft. Tool Size 3½-IF in.

Jars: Make Bowen Serial Number N/A Anchor Length 32 ft. Size 4½-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 3½-XH in.

Blow: 1st Open: Weak, 3/4 in., blow increasing. Off bottom of bucket in 8 mins. Weak blow back during shut-in.

2nd Open: Weak, 3/4 in., blow increasing. Off bottom of bucket in 9 mins. Weak blow back during shut-in.

Recovered 60 ft. of gas in pipe

Recovered 20 ft. of oil cut muddy water = .0984 bbls. (Grind out: 20%-oil; 10%-gas; 10%-mud; 60%-water)

Recovered 124 ft. of slightly oil specked water = .61008 bbls. (Grind out: 1%-oil; 3%-mud; 96%-water)

Recovered 294 ft. of salt water = 1.24248 bbls.

Recovered 438 ft. of TOTAL FLUID = 1.95096 bbls.

Remarks ____

Time Set Packer(s) 2:30 ~~A~~P.M. Time Started Off Bottom 5:15 ~~A~~P.M. Maximum Temperature 83°

Initial Hydrostatic Pressure ..... (A) 885 P.S.I.

Initial Flow Period ..... Minutes 15 (B) 56 P.S.I. to (C) 78 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 626 P.S.I.

Final Flow Period ..... Minutes 45 (E) 134 P.S.I. to (F) 200 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 615 P.S.I.

Final Hydrostatic Pressure ..... (H) 875 P.S.I.

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P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

FLUID SAMPLE DATA

Company Petroleum Management, Inc.

Lease & Well No. Winzer No. 1

Date 4-25-93 Sec. 16 Twp. 28 S Range 5 E

Formation Test No. 1 Interval Tested From 1,853 ft. to 1,885 ft. Total Depth 1,885 ft.

Formation Lansing

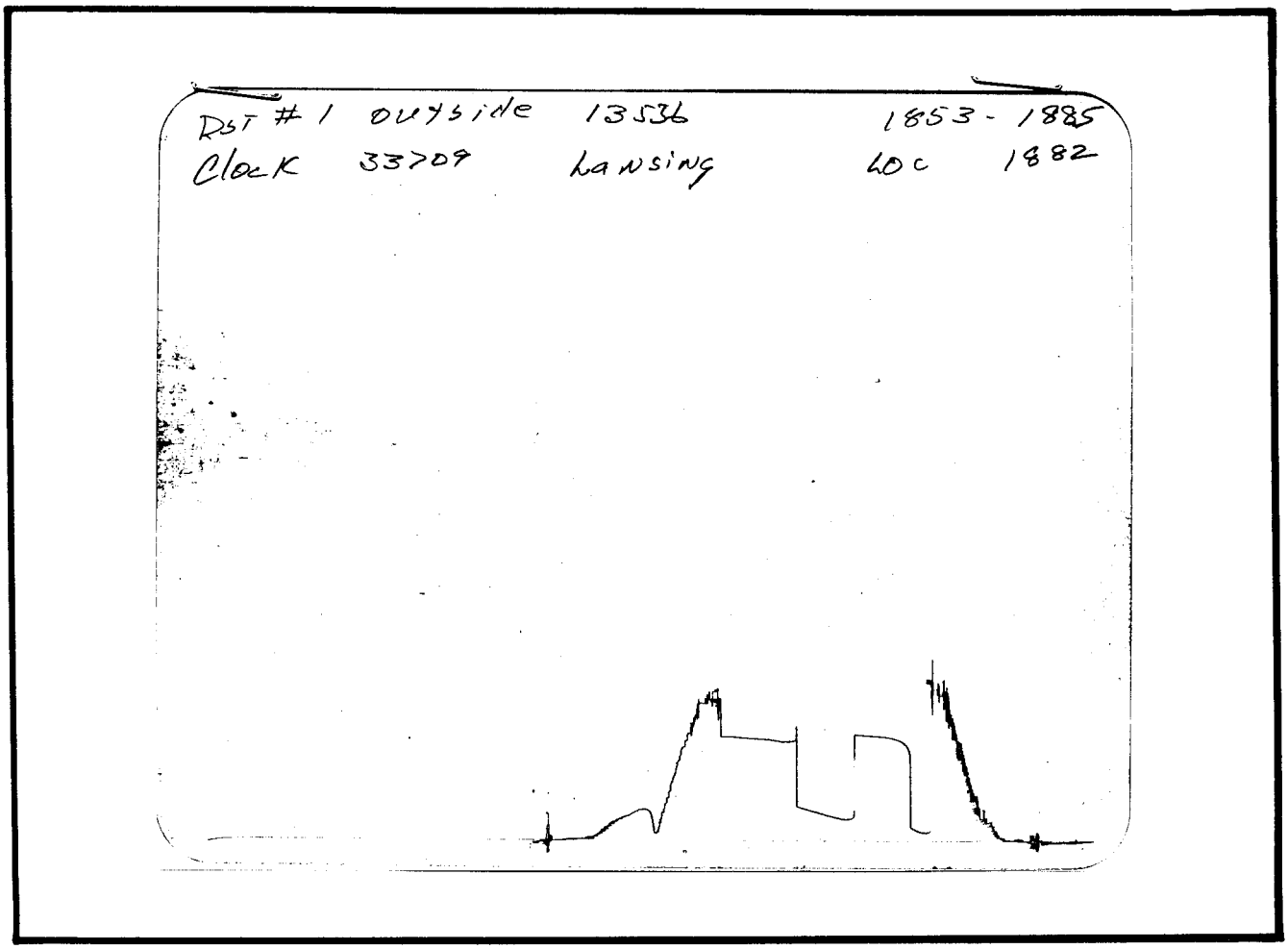
	MUD PIT	RECOVERY	
Viscosity	41.0 CP	-- CP	
Weight	9.0	--	
Water Loss	10.0 CC	-- CC	
PH Factor	10.5	--	WATER 6.5

	RESISTIVITY			CHLORIDE CONTENT
Recovery Water	.08	@ 72	°F.	90,000 ppm
Recovery Mud	--	@ --	°F.	-- ppm
Recovery Mud Filtrate	--	@ --	°F.	-- ppm
Mud Pit Sample	1.5	@ 82	°F.	3,500 ppm
Mud Pit Sample Filtrate	1.6	@ 92	°F.	3,000 ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Bill Stout

Remarks Pit filtrate triton dish chlorides were 2,000 Ppm.
Recovery water dish chlorides were 89,000 Ppm.



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	885	890	PSI
(B)	First Initial Flow Pressure	56	60	PSI
(C)	First Final Flow Pressure	78	78	PSI
(D)	Initial Closed-in Pressure	626	628	PSI
(E)	Second Initial Flow Pressure	134	136	PSI
(F)	Second Final Flow Pressure	200	204	PSI
(G)	Final Closed-in Pressure	615	613	PSI
(H)	Final Hydrostatic Mud	875	880	PSI

COMPANY Petroleum Management, Inc. LEASE AND WELL NO. Winzer No. 1 SEC. 16 TWP. 28S RGE. 5E TEST NO. 1 DATE 4