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GEOLOGICAL REPORT

WOODMAN-IANNITTI OIL COMPANY

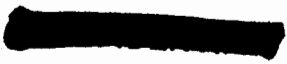
PURDY-SIEGRIST NO.1
C-S/2-NW
RENO COUNTY, KANSAS

K C C

NOV 16 1994

KCC

JUN 23



OPERATOR: Woodman-Iannitti Oil Company

WELL: No. 1 Purdy-Siegrist
API #15-155-21,312

LOCATION: C-S/2/NW
1980' from the N.L.
1320' from the W.L.
Section 20-23S-10W

FIELD: Zenith-Pease Creek (Ext.)

CONTRACTOR: Emphasis Oil Operations, Rig No. 5

DRILLING COMMENCED: 06-01-94

DRILLING COMPLETED: 06-07-94

DRILLING TIME: One (1) foot drilling time was recorded
from 1500' to 3770' RTD.

SAMPLES: Samples were saved and examined from 2000'
to 3770' RTD.

ELEVATIONS: 1786' Ground Level 1791' Kelly Bushing

MEASUREMENTS: All depths are measured from 1791' K.B.

CASING RECORD: 8 5/8" set @ 237' with 185 sacks.

FORMATION TESTING: One (1) test was run by Western Testing Co.

MUD: Mud-Co. (Chemical)

OPEN HOLE LOGS: ELI Wireline Services
Compensated Density Neutron, Dual Induction

PRODUCTION: Dry and Abandoned

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[REDACTED]

FORMATION TOPS:

<u>FORMATION</u>	<u>SAMPLE</u>	<u>LOG</u>	<u>DATUM</u>
RED EAGLE	2151'	2147'	- 356'
INDIAN CAVE	2327'	2326'	- 535'
HOWARD	2661'	2662'	- 871'
TOPEKA	2772'	2770'	- 979'
HEEBNER	3073'	3072'	-1281'
TORONTO	3099'	3094'	-1303'
DOUGLAS	3110'	3109'	-1318'
BROWN LIME	3228'	3228'	-1437'
LANSING	3262'	3262'	-1471'
BASE KANSAS CITY	3557'	3554'	-1763'
VIOLA	3633'	3636'	-1845'
SIMPSON SHALE	3719'	3715'	-1928'
SIMPSON SAND	3728'	3724'	-1933'
LOG TOTAL DEPTH	*****	3770'	-1979'
ROTARY TOTAL DEPTH	3770'	*****	-1979'

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SAMPLE DESCRIPTIONS AND TEST DATA:
(All depths are corrected to log measurements.)

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HERRINGTON-KRIDER:

1570-1574 The well was not mudded up through this section, however, there was an 80 unit hot-wire gas kick. After reviewing the open hole logs, it calculates approximately 12% porosity and 85% salt water saturation. It was felt that this warranted no further testing.

RECEIVED
STATE GEOLOGICAL COMMISSION

JUN 23 1994

CONSERVATION DIVISION
Wichita, Kansas

LANSING-KANSAS CITY:

- 3284-3294 Limestone, cream and white, finely crystalline, oolitic and fossiliferous, with trace of visible porosity, very slight show of oil when broken, questionable light odor. (40 unit hot-wire gas kick.) Log indicates this zone to be very tight.
- 3340-3349 Limestone, gray and tan, dense to very finely crystalline, slightly chalky, with poor visible porosity, no shows of oil were noted.
- 3359-3370 Limestone, buff, tan and gray, very finely crystalline, oolitic and oolitic, slightly chalky, with good visible oolitic porosity. No shows of oil were noted.
- 3414-3420 Limestone, white and gray, finely crystalline, oolitic, with white chert. No shows of oil were noted.
- 3486-3492 Limestone, light gray and cream, fine to medium crystalline, oolitic and slightly oolitic, fair to medium interoolitic porosity, slight show of free oil when broken, light odor. (35 unit hot-wire gas kick.) Log indicates this zone to be very tight.
- 3540-3552 Limestone, white and cream, finely crystalline, oolitic and fossiliferous, with poor visible porosity, trace of staining. No show of free oil. Log indicates this zone to be dirty.

VIOLA:

- 3636-3660 Chert, white and gray, mostly fresh, slightly weathered, fractured staining, bleeding gas, with very slight show of free oil. (90 unit hot-wire gas kick.) Log indicates this zone has very little permeability. (Covered by D.S.T. No. 1)

FORMATION TEST NO. 1

3605-3660

Strong blow/GTS in 16 min.	45 min.	I.H.P.	1817#
		I.F.P.	62#-62#
Strong blow/GTS	45 min.	I.S.I.P.	458#
	45 min.	F.F.P.	72#-72#
	45 min.	F.S.I.P.	447#
		F.H.P.	1796#

GAS FLOW REPORT:

Initial Flow

<u>Time in Minutes</u>	<u>P.S.I. on Orifice</u>	<u>Size of Orifice</u>	<u>Description of Flow</u>
20	09 lbs.	3/4"	42,500 CFPD
30	38 lbs.	1/2"	38,600 CFPD
40	28 lbs.	1/2"	33,200 CFPD
45	28 lbs.	1/2"	33,200 CFPD

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Final Flow

<u>Time in Minutes</u>	<u>P.S.I. on Orifice</u>	<u>Size of Orifice</u>	<u>Description of Flow</u>
05	28 lbs.	1/2"	33,200 CFPD
15	32 lbs.	1/2"	35,500 CFPD
25	32 lbs.	1/2"	35,500 CFPD
35	32 lbs.	1/2"	35,500 CFPD
45	32 lbs.	1/2"	35,500 CFPD

RECOVERY: 65' Gas Cut Mud, (5% Gas, 95% Mud)

TEMPERATURE: 112°

SIMPSON SAND:

3724-3731 Sandstone, gray, fine to medium grained, subrounded, friable, very shaley, with trace of dark staining. No show of free oil or odor.

SUMMARY:

The No. 1 Purdy-Siegrist was drilled to a total depth of 3770'. This well was somewhat structurally lower than the No. 1 Keesling, a gas producer, located approximately 1/2 mile to the east. Due to the negative results of D.S.T. No. 1 and after reviewing the open hole logs, it was decided to plug and abandon this well.

Respectfully submitted,


Todd E. Morgenstern
Geologist

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DRILLER'S TIME LOG

WOODMAN- IANNITTI OIL COMPANY

ELEVATION: 1791 K.B.

PURDY-SIEGRIST NO. 1
C-S/2-NW
SECTION 20-23S-10W
RENO COUNTY, KANSAS

DEPTH	MINUTES	REMARKS
1500	1510	1-1-1-1-1-2-2-2-2-1
	1520	1-1-2-2-2-2-2-2-2-1
	1530	2-1-1-1-2-1-1-1-1-2
	1540	2-1-2-1-1-1-1-1-1-2
	1550	1-1-1-1-1-1-1-1-2-1
	1560	1-2-1-1-2-2-2-2-2-2
	1570	1-2-2-2-1-1-1-2-2-1
	1580	2-2-2-2-2-3-2-3-3-2
	1590	3-2-1-1-1-1-1-1-1-1
	1600	1-1-1-1-1-1-1-1-1-1
1600	1610	2-1-1-2-1-2-2-2-1-1
	1620	1-2-2-1-1-2-1-2-2-2
	1630	1-2-2-1-1-1-1-1-1-1
	1640	2-2-1-1-1-2-1-2-1-1
	1650	1-1-1-1-1-1-1-2-1-1
	1660	1-1-1-1-1-1-1-1-1-1
	1670	2-1-2-1-2-1-2-1-1-2
	1680	1-2-2-1-1-2-1-2-2-2
	1690	2-1-2-2-1-1-1-1-1-1
	1700	1-1-1-1-1-1-1-1-1-1
1700	1710	1-1-1-2-2-2-2-2-2-1
	1720	1-1-1-1-1-1-1-1-1-1
	1730	1-1-1-1-1-1-1-1-1-1
	1740	1-1-1-1-1-1-1-2-1-1
	1750	1-1-1-1-1-1-1-1-1-1
	1760	1-1-1-1-1-2-1-1-1-1
	1770	1-1-1-1-1-1-1-1-1-1
	1780	1-1-1-1-1-1-1-1-1-1
	1790	1-1-1-1-1-1-1-1-1-1
	1800	1-2-2-1-1-1-2-2-1-2
1800	1810	2-1-1-1-1-1-2-2-1-1
	1820	1-1-2-1-1-1-1-1-1-1
	1830	1-1-1-1-1-1-1-1-1-2
	1840	1-1-2-1-1-1-1-1-1-1
	1850	1-1-1-1-1-1-1-1-1-1
	1860	1-1-2-1-1-1-2-2-1-2
	1870	1-1-2-2-2-2-2-2-2-1
	1880	1-1-1-1-1-1-1-1-1-2
	1890	1-1-1-1-1-2-1-2-1-2
	1900	2-1-1-1-1-1-1-1-1-2

80 unit gas kick at 1570'

DRILLING TIMES: (Cont)

1900	1910	1-1-2-1-2-1-1-1-1-1
	1920	1-2-2-1-1-1-1-1-1-1
	1930	1-1-1-1-2-1-1-1-1-1
	1940	1-1-1-1-1-1-1-1-1-1
	1950	1-1-1-1-2-1-1-2-1-2
	1960	2-2-1-1-2-2-2-1-2-2
	1970	2-1-1-1-2-1-1-2-1-2
	1980	1-1-1-2-1-2-1-1-1-2
	1990	1-2-1-1-1-2-1-1-1-1
	2000	2-1-1-1-1-1-1-1-2-2
2000	2010	2-2-1-1-1-1-1-2-1-1
	2020	1-1-1-1-1-1-1-1-1-1
	2030	1-1-1-1-1-1-1-1-2-1
	2040	1-1-1-1-1-1-1-1-1-1
	2050	1-1-1-1-1-1-1-1-1-2
	2060	1-1-1-1-1-1-1-1-1-1
	2070	1-1-1-1-1-1-1-1-1-1
	2080	1-1-1-2-2-1-2-2-2-3
	2090	2-2-1-1-2-2-2-2-2-2
	2100	1-1-2-1-1-1-1-1-1-1
2100	2110	1-2-2-1-1-1-1-1-1-1
	2120	2-1-2-1-1-1-1-2-1-2
	2130	2-1-1-2-2-1-1-1-1-1
	2140	1-1-2-2-2-2-2-1-2-2
	2150	2-1-2-2-1-1-1-1-1-2
	2160	1-1-1-1-1-1-1-1-1-1
	2170	1-1-1-2-2-2-2-2-2-1
	2180	1-2-2-2-2-1-1-2-1-2
	2190	2-2-2-1-1-1-2-1-1-2
	2200	1-1-1-2-2-2-2-2-2-2
2200	2210	1-1-2-2-2-1-1-2-2-2
	2220	1-2-1-2-2-2-2-2-2-2
	2230	3-2-2-2-1-1-1-2-1-2
	2240	2-2-2-1-2-2-2-2-2-2
	2250	1-1-1-2-2-2-2-2-2-2
	2260	2-1-2-2-2-2-2-2-2-2
	2270	2-2-2-2-2-3-2-2-2-2
	2280	2-2-1-1-1-1-1-1-1-1
	2290	1-1-1-2-2-2-2-1-2-2
	2300	2-2-1-1-2-1-1-1-1-1
2300	2310	2-2-1-2-2-1-2-2-1-2
	2320	2-2-1-1-1-1-1-1-2-2
	2330	2-1-1-1-1-1-2-2-3-2
	2340	2-2-2-3-3-2-2-2-2-2
	2350	2-2-2-2-1-2-1-2-1-1
	2360	2-2-1-1-2-2-2-2-2-2
	2370	2-2-1-1-1-1-1-1-1-1
	2380	1-3-2-3-2-1-1-1-2-2
	2390	2-2-2-2-3-2-2-2-3-2
	2400	2-2-2-3-2-3-2-2-2-3
2400	2410	2-3-2-3-2-2-2-1-1-1
	2420	2-2-2-1-1-2-1-1-1-1
	2430	1-1-1-1-1-1-1-1-1-1
	2440	1-1-1-1-1-1-1-1-1-1
	2450	1-1-1-2-1-1-1-1-1-2
	2460	3-2-2-3-2-3-2-2-3-2
	2470	3-2-2-2-2-1-3-3-3-2
	2480	3-1-1-2-1-1-2-1-1-2
	2490	2-1-1-2-1-2-1-1-2-1
	2500	1-1-1-1-1-1-1-1-1-1

DRILLING TIMES: (Con't)

2500	2510	1-1-1-1-1-1-1-1-1
	2520	1-2-3-2-1-1-1-2-2-2
	2530	2-1-2-2-1-3-2-2-1-2
	2540	1-1-1-2-2-2-2-2-2-1
	2550	2-2-1-2-2-3-2-2-2-2
	2560	2-1-2-2-2-2-2-2-2-2
	2570	2-1-2-2-2-3-2-2-2-2
	2580	3-1-2-2-2-2-1-2-2-2
	2590	2-1-2-1-2-2-2-2-3-3
	2600	2-2-3-2-2-1-1-2-1-2
2600	2610	2-2-1-2-2-2-2-1-2-2
	2620	2-2-1-1-1-1-2-2-2-1
	2630	1-1-1-1-1-1-1-1-1-1
	2640	1-1-1-1-1-1-1-1-1-1
	2650	1-1-1-1-1-1-1-1-1-1
	2660	1-1-1-1-1-1-1-1-1-1
	2670	1-1-3-2-2-3-2-3-1-1
	2680	2-2-2-3-3-2-3-1-1-2
	2690	2-2-2-2-3-2-1-1-1-1
	2700	2-2-2-1-1-2-2-2-2-2
2700	2710	2-2-2-1-1-2-3-2-2-2
	2720	2-2-2-2-2-2-1-1-1-1
	2730	1-1-1-1-1-1-1-1-1-1
	2740	1-1-1-1-1-1-1-1-1-1
	2750	1-1-2-1-2-2-2-1-2-2
	2760	2-2-2-1-2-2-2-1-1-2
	2770	1-1-1-1-1-1-1-1-1-1
	2780	1-2-2-2-2-2-2-2-2-1
	2790	2-2-2-2-2-2-2-1-1-2
	2800	1-1-2-2-2-2-2-2-2-2
2800	2810	2-2-2-2-2-2-2-2-2-2
	2820	2-2-2-2-2-2-2-2-2-3
	2830	2-2-2-2-2-1-2-2-2-3
	2840	2-2-2-2-2-1-1-2-2-2
	2850	2-2-2-2-2-2-2-2-2-2
	2860	2-2-2-2-2-2-2-2-2-2
	2870	3-2-2-2-3-2-3-2-3-2
	2880	2-2-3-2-3-2-3-2-2-3
	2890	3-3-2-2-2-2-1-1-1-1
	2900	2-3-3-3-2-3-3-3-3-3
2900	2910	2-3-2-3-2-2-2-2-3-2
	2920	3-2-2-3-3-3-3-3-2-3
	2930	3-2-3-3-3-3-3-3-2-3
	2940	3-2-2-3-3-3-3-2-3-2
	2950	3-3-2-3-2-2-3-3-3-2
	2960	2-2-2-3-3-2-2-3-3-4
	2970	4-3-4-4-4-4-3-4-4-2
	2980	3-3-2-3-4-3-3-3-2-2
	2990	2-2-2-2-3-2-2-2-2-2
	3000	3-2-2-3-3-3-2-2-2-2
3000	3010	2-2-2-3-3-3-3-2-3-2
	3020	2-2-2-2-2-3-3-3-2-3
	3030	4-2-2-3-2-2-2-1-2-1
	3040	2-2-2-2-3-2-3-3-3-2
	3050	2-2-2-3-3-3-3-3-2-3
	3060	2-3-2-3-2-3-2-2-2-2
	3070	2-2-2-3-3-3-3-3-3-3
	3080	3-3-4-2-2-2-1-1-1-3
	3090	4-3-3-3-2-3-2-3-2-2
	3100	2-2-2-2-2-2-2-2-1-2

DRILLING TIMES: (Cont)

3100	3110	3-2-3-2-3-4-3-3-3-2
	3120	1-1-2-2-3-2-2-2-2-2
	3130	2-2-2-2-2-2-2-2-2-2
	3140	2-2-1-2-2-2-1-1-1-2
	3150	1-1-1-1-2-1-1-2-2-1
	3160	2-2-1-2-2-2-1-1-2-2
	3170	1-1-1-1-1-1-1-1-1-1
	3180	2-1-1-1-1-1-1-1-1-1
	3190	1-2-1-1-1-1-1-1-1-2
	3200	1-1-1-1-1-1-1-1-1-2
3200	3210	1-1-1-1-1-1-1-1-1-1
	3220	1-1-1-1-1-1-1-1-1-1
	3230	2-1-1-1-1-1-2-1-3-3
	3240	3-3-3-2-2-2-2-2-2-2
	3250	2-2-2-2-2-2-2-2-1-2
	3260	1-2-1-2-2-2-2-2-2-2
	3270	2-2-3-3-3-3-3-3-3-3
	3280	3-3-3-3-3-3-3-3-3-3
	3290	3-3-3-3-3-3-4-4-3-4
	3300	3-4-3-4-4-4-3-4-4-4
3300	3310	3-3-4-4-3-3-3-4-3-2
	3320	3-3-3-3-3-3-3-4-4-4
	3330	4-4-4-4-4-4-4-3-3-4
	3340	5-3-4-4-4-3-3-4-3-4
	3350	4-4-3-2-3-3-3-4-5-4
	3360	4-5-5-4-4-4-4-3-3-1
	3370	1-1-1-1-1-1-1-1-1-1
	3380	1-3-3-3-4-3-4-3-3-2
	3390	2-2-3-3-4-4-3-3-3-2
	3400	3-3-3-1-1-3-3-4-3-3
3400	3410	4-4-3-5-4-4-4-4-3-4
	3420	2-3-3-4-4-1-1-2-4-3
	3430	3-5-4-5-4-3-3-2-3-4
	3440	4-4-4-3-3-3-3-3-4-4
	3450	4-5-4-4-4-3-3-2-2-3
	3460	4-4-4-5-4-4-4-5-3-2
	3470	2-1-1-2-3-5-4-3-4-4
	3480	5-4-5-4-4-4-4-4-4-4
	3490	3-4-5-4-3-2-2-2-3-4
3500	3500	5-5-5-5-5-4-5-5-5-5
	3510	5-5-4-5-5-4-5-4-4-5
	3520	4-5-4-5-4-3-3-4-3-2
	3530	4-4-3-3-5-5-4-4-4-3
	3540	4-3-3-4-3-4-3-4-3-3
	3550	4-2-2-3-4-4-4-4-2-3
	3560	3-2-3-3-3-3-2-2-1-2
	3570	2-2-1-2-2-3-2-2-3-2
	3580	2-2-3-4-4-3-3-3-3-3
	3590	3-3-3-3-3-5-5-4-4-4
	3600	4-5-3-2-2-4-3-3-4-4
3600	3610	3-4-4-4-4-5-4-3-3-2
	3620	3-2-3-3-2-4-2-2-2-2
	3630	3-3-4-3-3-2-2-2-2-2
	3640	3-3-3-2-2-2-1-2-2-2
	3650	1-1-2-1-1-1-1-1-1-1
	3660	2-2-2-2-2-2-2-2-2-3
	3670	2-3-2-2-3-2-3-2-2-2
	3680	3-3-2-2-3-3-2-3-2-3
	3690	2-3-3-3-4-3-3-3-3-3
	3700	2-3-3-3-3-3-4-3-3-4
3700	3710	4-3-3-3-3-3-4-4-3-4
	3720	4-4-3-3-4-3-4-4-4-5
	3730	6-4-4-6-5-5-4-4-4-4
	3740	4-4-4-4-5-5-4-5-5-3
	3750	4-3-4-5-4-4-4-3-4-3
	3760	3-4-4-4-4-4-3-3-3-3
	3770	4-3-3-3-3-3-3-3-3-4

DST No. 1

Rotary Total Depth