

GEOLOGICAL REPORT

Dan A. Nixon

PETROLEUM GEOLOGIST

WELL #1

LOCATION NE SE NW of Section 32, T9S-R18W

Rooks County, Ks.

LEASE

Nuti ✓

DEC 1 8 1985

Geologic Geological Survey

Operator: R.P. Nixon Operations
207 West 12th Street
Hays, Kansas 67601

Contractor: Jay-Lan Corp. Rig #3
207 West 12th Street
Hays, Kansas 67601

Elevation: Laughlin-Simmons & Co.
Ground level: 2176'
Rotary bushing: 2183'
All measurements are from
the rotary bushing.

Samples: Ten foot samples from 3100' to
3350' and five foot samples
from 3350' to 3735' RTD.

Time Log: One foot intervals from 3100'
to 3735' RTD. A copy of the
time log is included in this
report.

Surf. casing: 8 5/8" @ 210' w/135 sx - 60/40 Pozmix
Prod. casing: 4 1/2" @ 3734' w/125 sx
Port Collar: Set @ 1633'

Spud date: 10-23-85
Comp. date: 10-29-85

API #: 15-051-22,751
Lease #: 6364/1

STANDARD OIL COMPANY

DEC 1 3 1985

AMERICAN OIL COMPANY

<u>FORMATION TOPS:</u>	<u>SAMPLE DEPTH</u>	<u>LOG DEPTH</u>	<u>MINUS DATUM</u>
Anhydrite top (driller's)	1599'	1593'	+590
Anhydrite base	1633'	1625'	+558
Topeka	3143'		-960
Heebner Shale	3354'	3352'	-1169
Toronto Lime	3372'	3371'	-1188
Lansing	3395'	3394'	-1211
Base of the Kansas City Conglomerate	3617'	3614'	-1431
Simpson Dolomite	3704'	3702'	-1519
Total Depth	3735'	3734'	-1551

SAMPLE ANALYSIS OF ZONES OF INTEREST: (corrected to the electric log)

Toronto	3374'-80'	Fine crystalline, saturated lime, fair intercrystalline porosity. Calculated 16% porosity, 29-44% water. Test.
Lansing	3394'-98'	Cherty, grey, buff lime, rare spotty stain, slight vuggy porosity. Calculated 10% porosity, 31% water. Test prior to abandoning well.
	3426'-36'	Fossiliferous, vuggy, white lime, fair to trace of good vuggy porosity, spotty stain. Show of free oil and fair odor. Calculated 15-22% porosity, 33-40% water. Test.
	3448'-52'	Fossiliferous, grey lime, slight fossil porosity, rare spotty stain. Calculated 16% porosity 45% water. Test prior to abandoning well.
Simpson Dolomite	3702'-05'	Cherty, buff, medium crystalline dolomite, spotty to trace of saturated stain, fair vuggy porosity. Faint odor with show of heavy free oil. Calculated 18% porosity, 40% water. Test
	3714'-17'	Dolomite as above. Calculated 20% porosity, 36% water. Test.

REMARKS:

Structurally, the Lansing top on the #1 Nuti ran 4' low to the abandoned well to the southeast approximately 1/4 mile, the #1 Kuenster (Grant Oil), and 7' low to the producer to the northwest approximately 1/4 mile, the #1 Pywell (Edmiston Oil).