

GEOLOGICAL REPORT

Dan A. Nixon

17-5-21W

PETROLEUM GEOLOGIST

WELL #1 LOCATION 1820' FSL, 2300' FEL, SE/4 Sec. 17, T5S-R21W LEASE Ruth

P1

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

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

Elevation: Laughlin-Simmons & Co.
Ground level: 2186'
Rotary bushing: 2193'
All measurements are from
the rotary bushing.

Samples: Ten foot samples from 3000'
to 3320' and five foot samples
from 3320 to 3675' RTD.

Time Log: One foot intervals from 3000'
to 3675' RTD. A copy of the
time log is included in this
report.

Surface casing: 8 5/8" @ 211' w/135 sx
Prod. casing: None - D & A

API# 15-137-20,335

Spud date: 5-9-84
Comp. date: 5-14-84

AUG 15 1984

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Ruth

FORMATION TOPS:	SAMPLE DEPTH	MINUS DATUM
Anhydrite top (driller's)	1792'	+401
Anhydrite base "	1829'	+364
Heebner Shale	3345'	-1152
Toronto Lime	3376'	-1183
Lansing	3390'	-1197
Base of the Kansas City	3582'	-1389
Reagan Sand	3669'	-1476
Rotary Total Depth	3675'	-1481

SAMPLE ANALYSIS OF ZONES OF INTEREST:

Toronto Lime	3376'-82'	Cherty, dense, buff lime, rare spotty stain, very slight pinpoint porosity (trace). Not worthy of testing.
Lansing	3390'-95'	Cherty, dense, white lime, trace of rare and dead oil stain. Tight with a very slight show of free oil and no odor. Not worthy of testing.
	3411'-13'	Fine crystalline, white, buff lime, very slight vuggy porosity, very rare spotty stain. No show of free oil or odor. Not worthy of testing.
	3508'-11'	Lime as above with occassional dead oil stain and very slight show of free oil, no odor. Not worthy of testing.
	3537'-42'	Dense, white lime, barren with a trace of rare spotty stain. No apparent porosity. Not worthy of testing.
	3554'-57'	Fossiliferous, dense, off-white, buff lime, very rare spotty stain. Trace of slight fossil porosity, and very slight free oil, no odor. Not worthy of testing.
Reagan Sand	3669'-3675' RTD	Abundant friable and mostly loose, subrounded, frosty, medium and coarse grained sand, barren with no show of free oil or odor in wet samples. Not worthy of testing.

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REMARKS:

Structurally, the Lansing top on the #1 Ruth ran 2' high to the dry hole to the northwest approximately 1/2 mile, the #1 Archer (C-G Drlg & N. Appleman); the #1 Ruth was also 6' high to the dry hole to the southeast approximately 1 mile, the #1 Danewood (C-G Drlg & V. L. Somers, Etal). The nearest production to the northwest approximately 1 1/2 miles, is the #5 Noone (Ozark Enterprises). The #1 Ruth is 25' low to that producer.

The Reagan Sand top on the #1 Ruth is 29' low to the same dry hole to the northwest 1/2 mile and 32' low to the same dry hole to the southeast. Also, the #1 Ruth is 54' low to the same #5 Noone to the northwest approximately 1 1/2 miles.

Because of its low structural position and lack of sufficient shows to warrant testing, the #1 Ruth was plugged and abandoned.

Respectfully Submitted,



Dan A. Nixon

APR 15 1984

State Geological Survey
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