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17-16-14W

APR 23 1985

State Geological Survey
WICHITA BRANCH

COPY

MAI OIL OPERATIONS
POPP #1
NW SE NE, Section 17-16S-14W
BARTON COUNTY, KANSAS

DRY & ABANDONED

CONTRACTOR: Revlin Drilling Company

COMMENCED: 3-28-85

COMPLETED: 4-03-85

ELEVATION: 1967' K.B, 1964' D.F., 1962' G.L.

CASING PROGRAM: Surface: 8 5/8" @ 365'
Production: None

MEASUREMENTS: All depths measured from the Kelly Bushing.

DRILLING TIME: One (1) foot drilling time recorded by geolograph, surface to the R.T.D.

SAMPLES: Samples saved 2850' to the R.T.D.

ELECTRIC LOG: None

FORMATION TESTING: There was one (1) drill stem test run by Swift Formation Testers.

<u>FORMATION</u>	<u>SAMPLE DEPTH</u>	<u>SUB-SEA DATUM</u>
Anhydrite (driller)	960	+1007
Topeka	2898	- 931
Heebner	3128	-1161
Toronto	3146	-1179
Douglas	3162	-1195
Lansing	3197	-1230
Conglomerate	3418	-1451
Rotary Total Depth	3467	-1500

(All tops and zone determinations were made from a correlation of a drilling time log and sample analysis).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION
3094-3096

Limestone, tan to buff, very cherty, oolitic, trace of edge stain (1-2 pieces). No free oil or odor.

TORONTO SECTION
3154-3156

Limestone, very finely crystalline, dense, no visible porosity. Trace of slight discolorization or stain. No free oil or odor in wet samples.

3198-3201

Limestone, cream to buff, very dense and cherty, trace of (dead) edge stain. No free oil or odor in wet samples.

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- 3230-3236 Limestone, finely crystalline, oolitic to oocastic, fair oocastic porosity (barren), abundant white chalk. No shows of oil.
- 3268-3271 Limestone, white to cream, oolitic to fossiliferous, very chalky, no visible porosity, trace of very poor spotty stain. No free oil or odor in wet samples.
- 3292-3299 Limestone, cream to gray, oocastic, good oocastic porosity (barren). No shows of oil.
- 3339-3341 Limestone, gray, dense and cherty, trace of very poor spotty vugular porosity (1-2 pieces), trace of spotty stain. Trace of free oil and faint odor in wet samples.
- 3366-3370 Limestone, cream to white, finely crystalline, oolitic, trace of spotty poor interoolitic porosity, trace of spotty light stain. Trace of free oil and faint odor in wet sample.

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DRILL STEM TEST #1 3330-3375

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- Open: I.F. 30"
 F.F. 30"
- Blow: Weak, slowly decreasing.
- Recovery: 30' of slightly oil cut mud.
- Pressures: ISIP 89 psi
 FSIP 73 psi
 IFP 40-40 psi
 FFP 40-48 psi
 HSN 1884-1867 psi

- 3376-3378 Limestone, tan to cream, oolitic to oocastic, spotty fair oocastic porosity (barren) plus abundant white chalk. No shows of oil.

CONGLOMERATE SECTION
 3418-3467

Chert, vari-colored, oolitic, all in a matrix of typical blood red shales. No shows of oil.

ROTARY TOTAL DEPTH 3467 (-1500).

RECOMMENDATIONS: It was recommended based on the low structural position and the one (1) negative drill stem test, that the Popp #1 be plugged and abandoned at a total rotary depth of 3467 (-1500).

Respectfully submitted

Brad Hutchison
 Brad Hutchison

BH/dm

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