

GEOLOGICAL REPORT

COLORADO OIL AND GAS CORPORATION

A #1 FOX - C SW NE Section 3-35S-30W
Meade County, Kansas

GENERAL:

Contractor: Bruce Drilling Company
"Spud" (6234, OTD) 10/16/65
Completed: 10/18/65 (drilling)
(Drilled 3-3/4" hole with portable rotary table on
cable tool rig.)

CASING:

Surface: 10" @ 612'; 7" @ 2594'
Long String: 4-1/2" 5981'

GEOLOGICAL DATA:

Elevation: (L & S)
GL - 2552
DF - 2558
KB - 2560

Drilling Time: 1' drilling time from 6240' to 6330', RTD

Samples: 5' samples from 6240 to 6330', RTD.

Lithologic Logs: 5" -- 100' from 6240 to 6330', RTD.

Electric Logs: Schlumberger Gamma Ray-Neutron from 2500 to 6331', LTD.

Electric Log Tops:	Mississippian Ste. Genevieve	6126 (-3566)
	St. Louis	6200 (-3640)
	LTD	6331 (-3771)

Drill Stem Tests:

Ran tubing in hole when RTD was 6290'. Set packer in casing @ 5867' with 247' of tubing below packer; bottom of tubing at 6114'; seating nipple in tubing above packer (swab could not go below this nipple). Swabbed as follows:

Swab Tests:

- 1) Rec. 2.5 Bbl OGCM (90% mud) Gd show gs TSTM
- 2) Rec. 2.5 Bbl OGCM (75% mud) Less gas, good oil show.
- 3) Rec. 1.5 Bbl. HOCM, little gas.
- 4) Rec. 3/4 Bbl. MCO, very little gas.

Sample Description:

6240-52	Limestone, buff-pinkish, fine crystalline fine-medium oolites slightly glauconitic partly shot with very fine grained sand; with some green shale.
6252-71	Limestone, buff-white coarsely oolitic, fossiliferous, most appears well-cemented, no visible porosity. Some scattered poor oolitic-fossiliferous porosity, light-brown-brown stain, yellow-white fluorescence, good cut. There are streaks of dense, cherty lime in this interval.
6271-78	Limestone, tan dense vitreous tight.
6278-6316	Limestone, white, medium-coarse oolitic, clastic, fossiliferous, crumbly, very little visible porosity, some scattered oolitic-fossiliferous porosity, with light brown stain, good fluorescence and cut, few pieces with black stain; with some dark green waxy shale.
6316-23	Limestone, white, fine crystalline granular fossiliferous, with fair-good fossiliferous and granular porosity, with live oil staining, bright yellow-white fluorescence, excellent cut, few pieces with black staining.
6323-31	Limestone, white-tan, dense-medium crystalline dolomitic sandy tight.

RECOMMENDATIONS:

On the basis of the swab test shows, structural position, and relative log calculations, it was recommended that a liner be set and production tests run on this hole.

B. R. Stinson

B. R. Stinson, Geologist