

CIMARRON DRILLERS, INC.

Geologist - Petroleum - Geophysicist

P. O. Box 854

GREAT BEND, KANSAS 67530

LEWIS O. CHUBB
Phone 793-6749

August 21, 1980

Corie Oil Co.
P. O. Box 534
Russell, Kansas 67665

RE: Corie Oil Co.
Holland No. 5
NE NW SW Sec. 13-14s-15w
Russell County, Kansas

Gentlemen:

The following is the geological report for the above captioned well:

CONTRACTOR:	Emphasis Oil Opr. Rig #6
DATE COMMENCED	August 9, 1980
DATE COMPLETED:	August 18, 1980
ROTARY TOTAL DEPTH:	3270 ft.
SURFACE CASING:	Set 8 5/8" @ 208 ft.
PRODUCTION CASING:	Set 5 1/2" @ 3269'
ELEVATIONS:	1855 ft. EST.
DEPTH MEASURED FROM:	1855 ft.
DRILLING TIME PLOTTED:	2705 ft. to 3270 ft. RTD.
SAMPLES EXAMINED:	2710' to 3270 ft. RTD.
COMPLETION:	Set production casing to test Arbuckle and Lansing.

FORMATION DATA

<u>FORMATION</u>	<u>DEPTH</u>	<u>SUBSEA</u>
Anhydrite		
Topeka	2738' (est.)	- 883'
Heebner	2964'	-1109'
Toronto	2984'	-1129'
Douglas	2998'	-1143'
Lansing	3023'	-1168'
Base K. C.	3221'	-1366'
Arbuckle	3268'	-1413'
RTD	3270'	-1415'

STRUCTURAL POSITION IN RELATION TO NEARBY TESTS

<u>FORMATION</u>	<u>HOLLAND #5 NE NW SW</u>	<u>HOLLAND #4 W/2 NW SW</u>	<u>NIEDENTHAL #1 W/2 SW NW</u>
Anhydrite			
Topeka	- 883'	- 892'	- 889'
Heebner	-1109'	-1116'	-1111'
Lansing	-1168'	-1176'	-1169'
Base K. C.	-1366'	-1371'	-1367'
Arbuckle	-1413'	-1412'	-1408'
RTD	-1415'	-1415'	-1409'

ZONES OF INTEREST

<u>FORMATION</u>	<u>DEPTH</u>	<u>DESCRIPTION</u>
Topeka	2910'-2915'	Limestone; white, tan, fossiliferous, w/fine crystalline matrix, chalky, trace scattered spotted stain, judged no value.
Toronto	2985'-2991'	Limestone; tan, white, chalky, trace pinpoint and fossiliferous porosity, scattered stain, judged no value.
Lansing	3023'-3030'	Limestone; tan, brown, fine grained sucrosic, slightly fossiliferous, trace pinpoint, crystalline vugular porosity, good saturation stain, check E. Log for porosity.
	3039'-3043'	Limestone; tan, white, fossiliferous, slightly oolitic, oolitic, scattered stain, check E. Log.
	3057'-3061'	Limestone; tan, white, oolitic, oolitic, poorly developed porosity, scattered stain, check E. Log.
	3100'-3103'	Limestone; tan, brown, fossiliferous, good fossiliferous porosity, good stain, check E. Log.
	3111'-3115'	Limestone; light gray, white, oolitic, w/chalky matrix, poor developed porosity, no show.
	3161'-3162'	Limestone; tan, fine to medium crystalline, good show oil and gas, saturated stain, thin, possible fractures, check E. Log. TEST.
	3176'-3180'	Limestone; tan, dense, fossiliferous, trace fossiliferous porosity, trace stain, check E. Log.
Conglomerate	3251'-3256'	Limestone; tan, brown, red, oolitic, poorly developed porosity, slight show free oil, good odor, check E. Log, TEST.

ZONES OF INTEREST (Cont'd)

<u>FORMATION</u>	<u>DEPTH</u>	<u>DESCRIPTION</u>
Arbuckle	3268'-3270'	Dolomite; tan, brown, fine to medium, crystalline, good crystalline vugular porosity, good show oil and gas, good saturation. TEST.

SUMMARY

The subject well was under geological supervision from 2705 ft. to 3270 ft. rotary total depth.

The well ran structurally higher on the Lansing and about flat on the Arbuckle to producing wells nearby.

Several good shows of oil were noted and recorded on the sample log as well as being noted in this report.

The elevation is estimated and an accurate elevation obtained before completing the well.

Several zones in the Lansing and the Toronto carried fair to good shows of oil. Porosity can be determined by the log for possible future perforating and production.

RECOMMENDATION

It is recommended that production casing be set in order to test the Arbuckle, Conglomerate Lime, several zones in the Lansing and the Toronto. Perforations to be subject to the neutron porosity of the cased hole log.

Respectfully submitted,

CIMARRON DRILLERS, INC.

L. O. CHUBB, Geologist

LOC:ds
encl:
cc: