

June 19, 1975

GEOLOGICAL WELL REPORT

Magnum Land Corporation
#1 Owens SE NE SE
Section 34 - T 19S - R 13E
Lyon County, Kansas
Spud: June 12, 1975
7" Surface Casing @ 58'
Completed as dry hole: June 18, 1975
Total Depth: 2315'
2297' GRN in drill pipe.

Magnum Land Corporation
Suite 225, Sutton Place
Wichita, Kansas 67202

Gentlemen:

Listed below are the pertinent geological tops and an evaluation of the porosities encountered. No drill stem tests were taken. The hole was logged electrically before abandonment, that data included herein.

I arrived at the location at a depth of 1165' and witnessed the drilling from that point to TD 2315. Samples were examined from 900-2315 TD.

Enclosed herewith is a copy of the plotted drilling time log from 75-2315 TD which also includes lithology, geologic tops, porous zones and other pertinent data.

GRN LOG TOPS

| | | |
|---------------------|------|------------|
| ELEVATION | 1091 | G.L. (L&S) |
| HEEBNER | 391 | (+ 720) |
| DOUGLAS | 406 | (+ 685) |
| LANSING | 737 | (+ 354) |
| KANSAS CITY | 1005 | (+ 86) |
| STARK | 1075 | (+ 16) |
| HUSHPUCKNEY | 1109 | (- 18) |
| BASE OF KANSAS CITY | 1132 | (- 41) |

F. G. NIGHT
COUNTY

| | | | |
|------------------------------------|-----------|---------|--|
| ALTAMONT | 1288 | (- 197) | |
| PAWNEE | 1334 | (- 243) | |
| CHEROKEE | 1409 | (- 318) | |
| U. Squirrel Sand | 1416-20 | | Sandstone, clean, clustered, fine, porous. No show. |
| L. Squirrel Sand | 1448-51 | | Fine, dirty, micaceous sandstone. |
| Cattlemen Sandstone | 1510-26 | | Sandstone, fine, gray, fairly clean. Fair porosity, no show. |
| MISSISSIPPIAN LIMESTONE | 1757 | (- 666) | |
| OSAGE | 1896 | (- 805) | |
| CHOTEAU | 1994 | (- 903) | |
| KINDERHOOK SHALE | 2115 | (-1024) | |
| BASE OF CHATTANOOGA SHALE - HUNTON | 2200 | (-1109) | |
| | 2200-20 | | Chert, white, vitreous to tripolitic, scattered sand clusters, porous, no show. |
| SIMPSON SAND | 2235 | (-1134) | |
| | 2225-38 | | Sandstone, medium fine, light gray, hard, tightly cemented, no show. |
| | 2238-51 | | and 2256-78 Sandstone, rounded. Medium grained to medium fine, clean, loose to loosely clustered. Good porosity, no show. Sand grains very coarse near base of sand. |
| ARBUCKLE | 2281 | (-1190) | |
| | 2281-2315 | TD | Dolomite, tan to brown, coarsely crystalline -- zones of good cavernous porosity, no show. Occasional white oolitic chert both vitreous and tripolitic. |
| TOTAL DEPTH | 2315' | | |
| | | | GRN LOG to 2297'. |

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Conclusions & Recommendations

This well lies one mile west of an excellent test drilled by Icer Addis on the Mulsow farm, which encountered good reservoir conditions particularly at the base of the Chattanooga - Hunton and an attempt was made on this test to catch the Hunton structurally higher than the Mulsow. This was not accomplished since this well is 10 feet lower than the Mulsow at this horizon; in fact, this is the general structural relationship throughout the upper hole also.

Since no "shows of oil" were observed and the hole indicated nothing of interest structurally, it was recommended that the well be plugged as a dry hole.

Yours very truly,

T. G. Wright

TGW:wlr

DRILLING PROGRESS

| | | | |
|---------|------|----|-----|
| 6/12/75 | Spud | | |
| 6/13 | 499 | | |
| 6/14 | 867 | | |
| 6/15 | 1390 | | |
| 6/16 | 1950 | | |
| 6/17 | 2170 | | |
| 6/18 | 2315 | TD | D&A |

BIT RECORD

| | | | | |
|----------|-------|------|---|------|
| Williams | K2 | 58 | - | 449 |
| Williams | K2 | 449 | - | 875 |
| Security | S4J | 875 | - | 1085 |
| Security | S4 | 1085 | - | 1432 |
| Hughes | OSClB | 1432 | - | 1853 |
| Hughes | J-55 | 1853 | - | 2315 |