

7-45-33W

December 30, 1959

File in  
Bottom  
Chowell  
Good! Reports.

Murfin Drilling Company  
617 Union Center  
Wichita 2, Kansas

Re: Murfin Drilling Co.  
#1 McCain, C SE SE,  
Sec. 7-45-33W,  
Rawlins County, Kansas

Gentlemen:

O W L L

The following is a sample analysis report of the  
above captioned test well.

Samples were examined from 3300' to 4692', total  
depth. The well was under geological supervision from 3600'  
to total depth.

Contractor: Murfin Drilling Co - Rig #4

Commenced: 12-7-59

Completed: 12-18-59

Elevations: 3127 KB

3124 DF

3118 GL

Casing Record:

8 5/8" @ 302' w/165 sx.

| <u>Formation</u>    | <u>Depth</u> | <u>Sea Level Datum</u> |
|---------------------|--------------|------------------------|
| Topeka              | 3850         | -723                   |
| Heebner             | 4022         | -895                   |
| Toronto             | 4051         | -924                   |
| Lansing-Kansas City | 4061         | -934                   |
| Base Kansas City    | 4306         | -1179                  |
| Marmaton            | 4316         | -1189                  |
| Cherokee            | 4529         | -1402                  |
| Conglomerate        | 4651         | -1524                  |
| Mississippi         | 4658         | -1531                  |
| Total Depth         | 4692         | -1565                  |

All measurements from rotary bushing elevation.

Drill Stem Tests:

#1 4075-4113

Open 1 hour. Recovered 65' mud  
IF 0#, FF 0#, BHP 130#/20 minutes

O W L L

Coring Record

None

Electrical Survey

A Welox Radiation Guard log was run from 302', surface casing seat, to 4692', total depth.

Porous Zones in the Tonoka

3893-96

Cream-gray, finely crystalline to dense limestone with dead to gilsonitic stain in poor vugular porosity. No odor. No free oil. Not commercial.

Porous Zones in the Toronto

4051-56

Gray, finely crystalline to dense limestone with dead to gilsonitic stain in poor vugular porosity. No free oil. No odor. Not commercial.

Porous Zones in the Lansing-Kansas City

4093-97

Gray-cream, finely crystalline to dense limestone with dark to asphaltic stain in poor vugular porosity. No odor. Trace heavy free oil. This interval was covered by DST #1, recovered 65' mud. Not commercial.

4189-95

Gray, finely crystalline to dense, slightly fossiliferous limestone with poor fossil porosity and no shows. Not commercial.

4235-43

Cream, finely crystalline to dense limestone. Trace asphaltic stain in poor vugular porosity. Trace black dead free oil. No odor. Welox computations give this zone 9% porosity with 53% water saturation. Not commercial.

4269-74

Cream, finely crystalline, fossiliferous limestone with very poor to no fossil porosity. No shows. Not commercial.

Marmaton  
4519-22

Light gray, finely crystalline limestone with a trace of gilsonite stain in poor porosity. No odor. No free oil. Not commercial.

Cherokee  
4539-42

Gray, dense, slightly fossiliferous limestone. Asphaltic stain in poor vugular porosity. No odor. No free oil. Not commercial.

4584-90

Gray, dense limestone with a trace of asphaltic stain in poor fracture porosity. No odor. No free oil. Not commercial.

Mississippi

The Mississippi was topped at 4658 (-1531). This is 10' lower than the Amerada #1 Walters one-half mile southeast. The Mississippi consists of gray-white medium crystalline to dense, cherty limestone. There were no shows. Not commercial.

Since no zones in the #1 McCain warranted setting casing for further testing it was plugged and abandoned in the Mississippi at the total depth of 4692 (-1565).

Respectfully submitted,

  
Bernard W. Lounsbury

BWL:HR