

May 16, 1958

Murfin Drilling Company
617 Union Center
Wichita 2, Kansas

Re: Murfin Drilling Company
No. 1 Berg, NW NW SW
Section 6-11S-24W
Trego County, Kansas

Gentlemen:

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

Samples were examined from 3250' to 4020', total depth. The well was under geological supervision from 3600' to total depth.

Contractor: Murfin Drilling Company - Rig #4
Commenced: 4-29-58
Completed: 5-15-58
Elevations: 2401' K.B.
2399' D.F.
2393' G.L.
Casing Record:
8 5/8" @ 208 with 75 sx.

<u>FORMATION</u>	<u>DEPTH</u>	<u>SEA-LEVEL DATUM</u>
Heebner	3728'	-1327
Toronto	3749'	-1348
Lansing-Kansas City	3765'	-1364
Base Kansas City	4002'	-1601
Total Depth	4020'	-1619

All measurements from rotary bushing elevation.

DRILL STEM TESTS:

#1 3917-80

Open 1½ hours. Recovered 155'
 watery mud. IF-0#, FF-180#,
 BHP 1260#/20 minutes.

CORING RECORD

None

ELECTRICAL SURVEY

A Schlumberger Laterolog Survey was run from 210', Schlumberger casing seat, to 4020, total depth.

POROUS ZONES IN THE LANSING-KANSAS CITY

3765-70

(Top zone)

Cream, finely crystalline, fossiliferous slightly oolitic limestone with scattered vugular porosity. No shows. Not commercial.

3796-3802'

(35' zone)

Cream, finely crystalline, fossiliferous, cherty limestone with very poor porosity. No shows. Not commercial.

3805-12'

(50' zone)

Cream, finely crystalline to chalky, fossiliferous, slightly oolitic limestone with fair scattered porosity and a trace of watery stain. No odor. No free oil. Electric log computations for this zone give it 11% porosity with 57% water saturation. Not commercial.

3842-47'

(90' zone)

Cream, finely crystalline to chalky, fossiliferous limestone with fair to poor scattered vugular porosity. Trace asphaltic stain. No odor. No free oil. Schlumberger log calculations give this interval 9% porosity with 54% water saturation. Not commercial.

3930-36'
(160' zone)

Gray, finely crystalline to dense fossiliferous limestone with fair porosity and a trace of faint stain. No odor. No free oil. Electric log calculations give this zone 11% porosity with 58% water saturation. The 160' zone was covered by DST #1. Recovered 155' watery mud. Not commercial.

3949-52'
(180' zone)

White, finely crystalline, fossiliferous limestone with scattered dark saturation in poor vugular porosity. No odor. No free oil. Schlumberger computations give this zone 8% porosity with 56% water saturation. The 180' zone was covered by DST #1, recovered 155' watery mud. Not commercial.

Since no zones in the No. 1 Berg warranted setting casing for further testing, it was abandoned at the total depth of 4020'.

Respectfully submitted,


BERNARD W. LOUNSBURY