

12-185-7W

RAYMOND M. GOODIN CONSULTING GEOLOGIST
311 K-F-H BUILDING
WICHITA 2, KANSAS

12-18-7W
CWL NW SE

September 23, 1955

PROPERTY OF
K. G. S. LIBRARY
540 Petroleum Bldg.
Wichita, Kansas 67201
Geological Report

Mr. E. H. Riggs
408 Rule Bldg.
Wichita 2, Kansas

Re: E. H. Riggs, et al,
Kottman #3
CWL - NW SE 12-185-7W
Rice County, Kansas
Elevation 1693 D.F; 1696 RB

Dear Sir:

The following information is my interpretation of samples and time log on the above captioned well. The measurements are from the top of the rotary bushings:

| | |
|------------------------|--------------|
| Heebner | 2582 (-886) |
| Toronto | 2601 (-905) |
| Douglas Sand | 2628 (-932) |
| Brown Lime | 2699 (-1003) |
| Lansing Kansas City | 2734 (-1038) |
| Conglomerate Sand Zone | 3190 (-1494) |
| Rotary Total Depth | 3191 (-1495) |

The samples were examined from 2500 feet to rotary total depth. There were no shows above the zone at 3017.

Zone 3017-3018 - Trace of stain No porosity, no commercial value. The datums compare as follows on this zone in near wells:

| | | |
|--------------|-----------|--------------|
| Kottman #3 - | 3017-3018 | (-1321-1322) |
| Kottman #1 - | 3019-3021 | (-1331-1333) |
| Little #4 - | 3011-3014 | (-1322-1325) |
| Taylor #1 - | 3042-3045 | (-1344-1347) |

This zone looked best in Little #4 of any well to date

Conglomerate Sand Zone 3190 (-1494). A few clean sand clusters, friable, no show of oil.

Conglomerate Sand datum comparison on near wells:

| | |
|------------|--------------|
| Kottman #3 | 3190 (-1494) |
| Kottman #1 | 3184 (-1496) |
| Kottman #2 | 3200 (-1507) |
| Little #4 | 3176 (-1487) |
| Taylor #1 | 3210 (-1512) |

OWLL

Five and one half inch (5½") pipe was run to bottom and cemented by reason of favorable structural position of sand.

Yours sincerely,

Raymond M. Goodin
Raymond M. Goodin

RAYMOND M. GOODIN CONSULTING GEOLOGIST
311 K-F-H BUILDING
WICHITA 2, KANSAS

September 27, 1955

Mr. E. H. Riggs
408 Rule Building
Wichita 2, Kansas

Geological Report

RE: E. H. Riggs, et al
Kottman #3
CWL - NW SE 12-188-7W
Rice County, Kansas
Elevation 1693 D.F; 1696 RB

Dear Mr. Riggs:

The following is my description of cable tool samples on the above captioned well:

3191-3192 - 40% fine to medium grained sand, 60% gray shale. Some loose free sand, and sand clusters, small show of oil.

3192-3197 - 80-85% clean hard, medium grained sand clusters. Spotted small show of oil, poor porosity, 15-20% red shale.

3197-3199 - 50% red shale, 50% fine to medium grained clean sand clusters slightly friable, fair even stain, fair to poor porosity, small chert fragments in sand. Shale may be cavings from above.

3199-3202 - 50% red shale, 50% sand. Sand is in free loose grains, and small clusters, some chert fragments, fair spotted show oil. Shale is probably cavings.

3202-3206 - red shale and few weathered chert fragments. No sand or show oil.

3206-3209 - As above.

3209-3212 - 40% red shale, 60% vari-colored weathered shale. No show.

3212-3216 - As above with small show green shale.

3216-3223 - As above.

3223-3227 - total depth cable tools. Red shale, trace gray and green shale.

Yours sincerely,

Raymond M. Goodin

Raymond M. Goodin

RMG:pd

OWLL