

21-8-6E

HAROLD E. O'NEIL

Geologist

16, 1946.

PHONE 4-1818

POST OFFICE BOX 28
HILLSIDE STATION
WICHITA, KANSAS

Location: Gravenstone,
NW corner 2nd & Riley St. (corner)
Elevation: 58

GEOLOGICAL REPORT

3 5/8" cemented 10'

Top Topeka line 1245.

- " Douglas formation 1290.
- " Lansing-Kansas City line 1333.
- " Marmaton red shale 167.
- " Detrital zone 1724. (Weathered shale with scattered chert)
- " Weathered Mississippian 1741. (shale)
- " Mississippian lime 1758. (shale)
- " Kinderhook shale 77.
- " Misener sand 196. (sand)
- " Hunton dolomite 196. (dolomite)
- " Sylvan shale 244.
- " Maquoketa dolomite 2506. Good porosity-well
- " Viola lime 2506.
- " Simpson shale 2650.
- " Simpson sand 2665. Pore heavy asphaltic (sand)
- " Pre-Cambrian 2676. We gra e in (granite) with scattered p (porphyry)

Total Depth 2702.

Schlumberger resistivity log.

Recommended thickness of bed.

Remarks;

Sample interval 100' depth. All samples were used for geophysical work. 1333' to to all depths were used for geophysical work.

The well was structural. A number of possibilities for the area. Hunton dolomite, Maquoketa dolomite, right structurally might expect to find these beds.

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Veeder Supply & Dev'l. Co.



Cherryvale, Kansas

Drilled for Charles E. Iseman Farm Gravenstine No. 1 Depth 2702'
 Contractor The Veeder Supply & Development Co. Pipe 102 feet of 8-5/8"
 Location NW NW Sec 21 Twp. 8S Range 6E
 Commenced 12-10-45 Completed 1-6-46 County Riley State Kansas

Formation Log

Clay & Sand	0	20	20
Lime	20	160	140
Sand & Lime	160	190	30
Shale & shells	190	220	30
Lime & shale	220	460	240
Lime, shale, shells	460	540	80
Lime & shale	540	930	390
Lime, shells, shale	930	1070	140
Shale & shells	1070	1210	140
Lime, hard	1210	1270	60
Lime, shale	1270	1365	95
Lime	1365	1454	89
Shale	1454	1480	6
Lime	1460	1680	220
Lime & shale	1680	1752	72
Chats	1752	1739	17
Chat & lime	1769	1773	4
Lime & shale	1773	1780	7
Shale	1780	1965	185
Sand	1965	1970	5
Lime	1970	2420	450
Shale	2420	2509	89
Lime	2509	2675	166
Granit wash	2675	2702	27

TOTAL DEPTH * 2702 Feet

AFFIDAVIT

STATE OF KANSAS)
COUNTY OF MONTGOMERY)SS:

EMMETT C. VEEDER, of lawful age, being duly and solemnly sworn on oath says:

I am a resident of Cherryvale, Montgomery County, Kansas, and I hereby know and on oath state, that the above drilling log covering the Gravenstine #1 well in Section 21-8S-6E, Riley County, Kansas, is true and correct.

Further affiant saith not.

THE VEEDER SUPPLY & DEVELOPMENT COMPANY.

By: Emmett C. Veeder
President.

Subscribed and sworn to before me this 9th day of January, 1946.

Wes L. Lusk
Notary Public

My Commission Expires: July 11, 1948