

Rec'd
10-18-44

J. C. LEMON ET AL
LEMON (Fee) No. 1
Contractor: J. B. Hinkle Drilling Co.
Samples examined, from 3600' to 4402'-----

SW SW NW

Sec. 13, T. 28, R. 12W.

PRATT COUNTY, KANSAS.

Elevation: 1845'

By:

Jack Cole
10/11/44

SAMPLE STUDY LOG.

3595 - 3610	Gray Sandstone and Sandy Limestone.
3610 - 3644	Gray Shale, Sandstone and Limestone shells.
3644 - 3660	Gray Crystalline Limestone and Brown Limestone.
3660 - 3676	Gray Shale and Limestone shells.
3676 - 3681	Brown, Fossiliferous and Dense Limestone.
3681 - 3705	Gray Micaceous Sandstone.
LANSING:	
3705 - 3736	Brown, Crystalline, Fossiliferous Limestone.
3736 - 3740	Gray Crystalline Limestone and a Trace of Chert.
3740 - 3756	Light Gray Crystalline Limestone.
3756 - 3770	Gray Crystalline and Mealy Limestone. Trace of Leaching. Good odor of Gas. No Staining.
3770 - 3795	Gray and Buff Crystalline Limestone.
3795 - 3816	Gray and Brown Crystalline Limestone. Some Dark Gray and Brown Chert.
3816 - 3856	Gray and Buff Crystalline Limestone.
3856 - 3880	Gray Crystalline Limestone.
3880 - 3890	Gray Crystalline, Cherty Limestone.
3890 - 3899	Gray Crystalline Limestone
3899 - 3903	Gray Crystalline Limestone. Trace of Oolitic Limestone. No Show.
3903 - 3910	Brown Crystalline Limestone.
3910 - 3914	Buff Crystalline Limestone.
3914 - 3918	Buff Crystalline Limestone, Oolitic in part. No show.
3918 - 3935	Gray and Buff Crystalline Limestone.
3935 - 3937	Non-porous, Oolitic Gray Limestone.
3937 - 3959	Gray and Brown Crystalline and Dense Limestone.
3959 - 3965	Gray and Buff, Finely Crystalline Limestone. Trace of Chert.
3965 - 3980	Gray and Brown Finely Crystalline and Dense Limestone.
3980 - 3995	Gray and Brown Crystalline Limestone and Shale breaks.
3995 - 4010	Gray and Brown, slightly Cherty Limestone.
4010 - 4035	Gray Crystalline Limestone and Thin Shale breaks.
4035 - 4042	Gray Crystalline Limestone. Streaks of Mealy Sub-Oolitic Limestone. Some Stain and Weak Odor.
4042 - 4061	Gray and Brown Crystalline Limestone.
4061 - 4070	Gray and Brown Crystalline Limestone. Trace of Leaching. Trace of Stain and Slight odor.
4070 - 4105	Gray and Buff, Finely Crystalline Limestone.
4105 - 4137	Gray Shale, Trace of Red Shale and Limestone shells.
4137 - 4146	Gray Crystalline Limestone and Shale breaks.
4146 - 4169	Gray Shale, Limestone shells and a Trace of Chert.
MISSISSIPPIAN:	
4169 - 4180	Gray and Brown Crystalline Limestone and Gray and Chocolate Chert. Some Tripolitic Chert. Trace of Stain.
4180 - 4203	White and Gray Chert and Gray Crystalline Limestone.
4203 - 4217	Gray Shale Trace of Green Shale and a Trace of Chert.
4217 - 4236	White Chert and Limestone and Gray Shale streaks.
4236 - 4262	Buff Limestone and Shale breaks.
4262 - 4282	Gray Shale and Limestone shells.
4282 - 4289	Brown, Coarsely Crystalline Limestone, Fossiliferous in part.
KINDERHOOK:	
4289 - 4331	Green-Gray Shale and Limestone shells.
4331 - 4376	Brown Calcareous Shale and Brown Dense Granular Limestone.
VIOLA:	
4376 - 4380	White and Gray Chert.
4380 - 4402	Mottled Coarsely Crystalline Limestone and Tan Crystalline Dolomite. Cherty.

PLUGGING

FILE

13 18-12W

BOOK

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