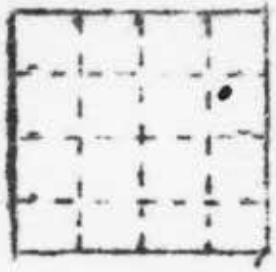
county Chariton



sec 35 twp 53 rge 18W

owner Buttram, Frank

elev 771 MGS# 5519 ~~rge~~ Spl.

farm Vance Bros. No. 1 TD 919 fm TD Oco shows none

status dry & abandoned date completed 8-7-39

remarks:

00001

✓

Log of Frank Buttram No. 1 Vance Bros. Location: Cen. NW 1/4 SE 1/4 NE 1/4 sec. 35, T. 53 N., R 18 W., Chariton County, Missouri. Surface elevation, 771.2 feet (P.T.). Commenced, 1-12-1939, and completed, 8-7-1939. Total depth, 919 feet. Dry and abandoned. Cable tool test. Casing record: 210 feet of 10 inch. Contractor: J. D. Judd & Son.

FORMATIONAL SUMMARY

	Thickness, feet	*Depth, feet*
Pennsylvanian system:		
Warrensburg channel sandstone	150	150
Cherokee (?) group	55	205
Mississippian system:		
Ste. Genevieve formation	10	215
St. Louis formation	20	235
No samples	15	250
Spergen-Upper Warsaw formations	45	295
Warsaw formation	55	350
Burlington-Keokuk formations	150	500
Chouteau formation (includes Sedalia member in upper 20 feet)	103	603
Devonian system	42	645
Ordovician system:		
Kimmswick formation	48	693
Decorah (?) formation	52	745
St. Peter formation	82	827
Ordovician or Canadian system:		
Cotter formation	92	919, T.D.

DRILLER'S LOG

Surface soil, yellow-brown, sandy	10	10
Sand, brown, soft	142	152
Shale, gray, soft	48	200
Sand, broken, hard	5	205
Sand, hard (A little water at 120 ft., and strong water at 130 ft. Hole reduced to 10 in. at 210 ft., and 10 in. casing set at 210 ft.)	2½	207½

	Thickness, feet	*Depth, feet*
Sand and lime, gray-brown, hard	12½	220
Lime, hard	25	245
Shale, gray and green, soft	3	248
Lime, gray and brown	4	252
Lime, sand and shale, alternating brown, gray and green, and hard and soft	4	256
Lime and sand, gray and brown, hard	8	264
Shale, brown and green, soft	2	266
Lime and sand, with streaks of shale, brown and gray, hard	9	275
Lime, flint and sand, brown and gray, hard	10	285
Lime, flint and sand, with traces of coal, gray, hard	5	290
Shale, green, soft	5	295
Lime, gray and blue with hard, white flint	5	300
Lime, sand and flint, gray brown and white, hard (water, containing salt and sulphur at 345-350 ft.)	45	345
Lime and flint, gray and white, hard	50	395
Lime, sandy with white, hard flint (Water, 395-400 ft.; SWL, 455 ft.)	12	407
Lime and white flint, hard	83	490
Lime, gray and green with white flint	5	495
Lime, gray and green with gray and white flint and traces of black slate	5	500
Lime, gray, some broken, hard	12	512
Lime and flint, dark gray and white, hard (Crevices at 558-561 ft.)	48	560
Lime, dark gray, hard	55	615
Lime, light and gray, hard	25	640
Lime and sand, gray, hard	5	645
Lime, sand and flint, gray and white, hard	48	693
Sand, shale and flint, gray and white, hard (Hole reduced at 697 ft.; SWL 100 ft. at 715 ft.)	60	753
Sand, lime and flint, white, gray, soft (Hole caving at 725 ft.; 6 5/8 in. casing set at 780 ft.)	3	756
Sand, white, soft (SLM, 779 ft.-781 ft.)	71	827
Lime, sand and flint, white to gray, broken, hard	3	830
Sand, lime and shale, white, broken, hard (Water level 110 ft. at 835-840-845 ft.)	10	840
Lime traces of flint (1 ft. break at 842-843 ft.)	5	845
Lime, gray to brown, hard (1 ft. break at 862-863 ft.)	25	870
Lime, gray brown, sandy, hard (Very hard from 895-900 ft.)	30	900
Lime, gray and white, hard, flint	14	914
Shale, light, soft	1	915
Lime, light, hard	4	919, T.D.

RECENT DRILLING

in

NORTHWESTERN MISSOURI

By

FRANK C. GREENE

REPORT OF INVESTIGATIONS NO. 1

1945

EDWARD L. CLARK, *Director and State Geologist*

MISSOURI GEOLOGICAL SURVEY AND
WATER RESOURCES

ROLLA, MISSOURI