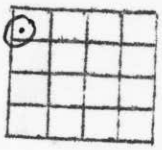
County Andrew



sec. 8 twp. 59 rge. 35

owner Home Oil Co

elev. 1077 MCS# 2085 spl ✓

farm Patterson, W.E. No. -1J TD 2516 fm@TD Kinnswick ✓ shows oil asphalt

status _____ date completed 7-21-1920

remarks:

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GW. C 1415.

STATE OF MISSOURI
GEOLOGICAL SURVEY AND
WATER RESOURCES

BIENNIAL REPORT *of the*

STATE GEOLOGIST

TRANSMITTED TO THE
FIFTY-EIGHTH GENERAL ASSEMBLY

1935

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H. A. BUEHLER
DIRECTOR AND STATE GEOLOGIST
ROLLA, MISSOURI

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Log of Home Oil Company No. 1, W. E. Patterson Farm—Continued.

	Thickness, Feet.	Depth, Feet.
Lime, white, hard (Hertha)	15	690
Shale, blue	36	726
Sand, white, hard, fine (hole full of salt water) (Knobtown)	29	755
Shale, blue	10	765
Lime, gray, hard	5	770
Shale, blue	5	775
Lime, gray, hard	5	780
Shale, drab	10	790
Shale, white	10	800
Shale, drab (set 812 feet of 10-inch casing)	15	815
Mud, red	3	818
Shale, gray	4	822
Lime, gray, hard	4	826
Shale, gray to white	20	846
Coal	1	847
Lime, gray, hard	8	855
Shale, gray, hard	10	865
Shale, white	13	878
Shale, gray	7	885
Shale, gray, sandy	25	910
Shale, gray	50	960
Shale, white, sandy	40	1000
Shale, gray	40	1040
Shale, white	30	1070
Lime, gray, hard	5	1075
Shale, gray	5	1080
Coal	3	1083
Shale, drab	30	1113
Sand, white, fine (hole full of salt water)	137	1250
Lime shells and sand, white	5	1255
Slate or shale, black, hard	35	1290
Sand, gray, brown (more water)	12	1302
Shale, blue	10	1312
Lime, gray, sandy	13	1325
Sand, white, hard, fine	90	1415
Lime, black, hard	8	1423
Sand, white, hard	10	1433
Lime, gray, mixed with blue shale	7	1440
Shale, black	10	1450
Lime, black and gray	18	1468
Shale, black and blue	37	1505
Sand, white, hard, fine (hole full of sweet water) (Set 8¼-inch casing at 1605 feet.)	100	1605
Mississippian System:		
Lime, gray, hard ("Mississippian Lime")	45	1650
Shale, light blue	1	1651
Lime, light brown, hard	234	1885
Shale, blue, soft (Kinderhook)	25	1910
Devonian System:		
Lime, gray with brown spots, hard	80	1990
Sand, gray (water)	3	1993
Silurian System:		
Lime, gray (brown asphalt)	82	2075
Limestone, magnesian, and dolomite	135	2210
Dolomite, some magnesian limestone (asphalt reported)	110	2320
Ordovician (?) System:		
Shale (Maquoketa), some dolomite in upper portion, set 6 5/8-inch casing at 2425 feet	105	2425
Ordovician System:		
Dolomite (Galena), sulphur gas reported from 2425 to 2450 feet. (Strong show of salt water and asphalt reported)	91	2516

Log of Home Oil Company No. 1, W. E. Patterson Farm. Location: SE. cor. SW. 1/4 NW. 1/4 NW. 1/4 sec. 8, T. 59 N., R. 35 W., Andrew County, Mo. Elevation: 1077 feet. Completed May 4, 1921.

	Thickness, Feet.	Depth, Feet.
Pleistocene Series:		
Surface soil, yellow, soft	75	75
Sand and gravel, gray, hard (set 90 feet of 12½-inch casing)	15	90
Pennsylvania System:		
Shale, blue	10	100
Lime, gray, hard (bed "A")	2	102
Slate or shale, light, soft	13	115
Lime, gray, hard	5	120
Slate and shale, blue	15	135
Shale and lime shells	77	212
Lime, gray (base of Amazonia?)	30	242
Clay, red	10	252
Shale, gray	83	335
Clay, red	5	340
Lime, gray, hard, sandy (Iatan)	8	348
Slate or shale, gray	52	400
Lime, gray, hard	10	410
Shale, hard	3	413
Lime, white, hard (base of Stanton)	17	430
Shale, dark	10	440
Lime, white (Plattsburg)	20	460
Shale, blue	15	475
Lime, white, hard	15	490
Shale, blue	30	520
Lime, white, hard	12	532
Shale, blue	28	560
Lime, white, hard	20	580
Slate or shale, blue	5	585
Lime, blue	20	605
Lime, gray, hard (base of Bethany Falls at 660)	55	660
Shale, blue	15	675