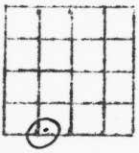
County Buchanan



sec. 26 T. 58 R. 34

Owner Mc Cain, F.O.

Elev. (1007) 1013* log MGS# 2248

Farm Bermond, Frank No. 1 TD 2375 Shows oil/gas Spls. V

Status D+A Date Completed 6-16-28 Fm@TD Jeff. City

Remarks; *1013 in BR to 59th Ass, App VIII, 1937 (pp 23-25).

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Log of F. O. McCain No. 1, Frank Bermond Farm. Location: SW. cor. SE. 1/4 SW. 1/4 sec. 26, T. 58 N., R. 34 W., Buchanan Co., Mo. Elevation: 1013 feet. Commenced: about June 16, 1928, date of completion not known.

	Thickness, Feet.	Depth, Feet.
Pleistocene series:		
Surface soil, yellow	5	5
Clay, yellow	10	15
Shale, soft light	22	37
Quicksand, light. ½ bailer water	6	43
Sand, light	13	56
Shale, gray	4	60
Quicksand, gray	17	77
Sand, light. 3 bailers water	28	105
Sand, very fine, blue	5	110
Sand and gravel, gray, fresh water, unlimited supply	140	250
Pennsylvanian system:		
Lansing formation:		
Shale, light	10	260
Shale and shells, light	15	275
Kansas City formation:		
Shale, dark	20	295
Lime, white	15	310
Shale, dark	10	320
Shale, light	10	330
Shale and shells, light	10	340
Lime, light	5	345
Shale, blue	15	360
Lime, gray	20	380
Shale, light	5	385
Lime, gray	25	410
Shale, dark	5	415
Lime, light	45	460
Pleasanton formation:		
Shale, light	15	475
Sand, hard gray. ¼ bailer water	15	490
Shale, light	35	525
Shale, dark	5	530
Shale, light	70	600
Henrietta formation:		
Lime, gray	5	605
Lime and shells, light gray	25	630
Lime, gray	5	635

Log of F. O. McCain No. 1, Frank Bermond Farm—Continued.

	Thickness, Feet.	Depth, Feet.
Shale, black	5	640
Lime, gray	15	655
Shale, light	10	665
Lime and shells, gray	10	675
Shale, black	5	680
Shale, light	5	685
Sand, gray. Light show gas	5	690
Shale, light	10	700
Shale, dark	5	705
Lime, dark	5	710
Top (?) of Cherokee formation:		
Shale, dark	10	720
Shale, light	25	745
Shale, dark	20	765
Lime shells, gray	5	770
Shale, dark	5	775
Shale, light	10	785
Shale, dark	20	805
Shale, black	75	880
Sand, light	15	895
Shale, dark	10	905
Shale, dark, sandy	23	928
Shale, light	47	975
Shale, dark	25	1000
Shale, light	30	1030
Sand, brown and gray	145	1175
Shale, greenish-black	2	1177
Coal, black, question as to amount	3	1180
Sand, gray	7	1187
Shale, black	28	1215
Sand, brown and gray. Show gas and oil	20	1235
Mississippian system:		
Warsaw formation:		
Lime, sharp and hard	16	1251
Shale, black	3	1254
Lime, light and hard	12	1266
Lime, gray and hard	14	1280
Shale, white	2	1282
Burlington-Keokuk limestone:		
Lime, gray	18	1300
Lime, gray	20	1320
Lime, gray and hard	30	1350
Lime, gray	15	1365
Lime, brown	10	1375
Lime, brown	55	1430
Lime, white	10	1440
Chouteau limestone:		
Lime, brown	10	1450
Lime, light	12	1462
Lime, brown and soft	38	1500
Lime, brownish and hard	20	1520
Kinderhook shale:		
Shale, green and red	10	1530
Shale, green	20	1550
Shale, mixed colors	20	1570
Shale, mixed colors	35	1605
Devonian system:		
Lime, brown	5	1610
Lime, brown and white, hard	5	1615
Lime, gray	95	1710
Silurian system:		
Lime, gray	185	1895
Lime, light brown	15	1910

Log of F. O. McCain No. 1, Frank Bermond Farm—Continued.

	Thickness, Feet.	Depth, Feet.
Lime, light brown	25	1935
Lime, white	15	1950
Lime, light brown	8	1958
Lime, gray	7	1965
Lime, light brown	10	1975
Ordovician system:		
Maquoketa shale:		
Shale, light blue	30	2005
Galena dolomite:		
Lime, soft light gray	15	2020
Lime, white	10	2030
Lime, dark brown	20	2050
Lime, gray	8	2058
Lime, brown	17	2075
Lime, white and brown	10	2085
Lime, hard, white. Show sulphur gas	20	2105
Lime, soft brown	25	2130
Lime, very hard brown	30	2160
Decorah formation:		
Lime, soft brown	52	2212
Lime, hard brown	18	2230
St. Peter sandstone:		
Sand	92	2322
Canadian system:		
Cotter dolomite:		
Dolomite	53	2375

Casing record: 250 ft. 12½"

NOTE: The correlations of the pre-Pennsylvanian formations are based on a study of samples by H. S. McQueen.

Geo. Clark.

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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ROLLA, MISSOURI

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