

NORTH DAKOTA GEOLOGICAL SURVEY CIRCULAR NO. 180

Summary of the Wetch, Zachmeier and Disney Drilling Co. - C. E. Blasky #1
Eddy County, North Dakota
Well No. 1274 - Permit No. 1286

By Clarence Carlson
September 1957

Wetch, Zachmeier and Disney - C. E. Blasky #1, Eddy County, North Dakota. Location: C SE SE Section 9, T.148N., R.62W. Elevation: 1579 G.L. - 1584 K.B.

The Wetch, Zachmeier and Disney - C. E. Blasky #1 was spudded October 15, 1956, drilled to a total depth of 3102 feet, found dry and plugged November 15, 1956.

Logging Record: Electric log by Schlumberger.

Cores: None.

Tests: None.

Casing Record: 7 inch casing at 173 feet with 40 sacks of cement.

Plugging Record:

Surface - 5 sacks of cement
180 feet - 15 sacks of cement
1478 feet - 10 sacks of cement
1735 feet - 10 sacks of cement
2270 feet - 20 sacks of cement

Formation tops were determined from samples and electric logs. Not all formation tops were called. Color names and identifying numbers are taken from the 1948 Rock-Color chart which is distributed by the National Research Council, Washington, D.C.

FORMATION TOPS

Cretaceous System	
Niobrara formation	635
Greenhorn formation	1034
Dakota group	1195
Muddy sandstone	1340
Dakota group sandstone	1478
Mississippian System	
Lodgepole formation	1735
Devonian System	
Undifferentiated	1860
Silurian System ?	2040
Ordovician System	
Upper Stony Mtn. member	2135
Lower Stony Mtn. member	2245
Red River formation	2270

Winnipeg shale	2900
Winnipeg sandstone	3031
Cambrian	
Deadwood formation	3042
Precambrian	
240-260	Shale, light gray, lumpy, compact.
260-420	Shale, very light gray, lumpy, compact.
420-500	Shale, very light gray, and medium light gray, lumpy, compact.
500-640	Shale, medium light gray, lumpy, slightly bentonitic, some compact.
640-670	Shale, medium light gray, fissile, calcareous "white specks".
670-680	Shale as above and a little limestone, very light gray, finely crystalline, argillaceous.
680-1020	Shale, medium light gray, bentonitic.
1020-1050	Shale, medium gray, flaky, calcareous, "white specks", Inoceramus fragments.
1050-1220	Shale, medium dark gray, flaky, calcareous "white specks".
1220-1260	Shale, medium light gray, bentonitic.
1260-1290	Shale as above and sandstone, light gray, very fine to fine grained, argillaceous, calcareous.
1290-1300	Shale, medium gray and medium light gray, many Inoceramus fragments.
1300-1340	Shale, medium dark gray, fissile, soft.
1340-1370	Sandstone, fine to medium, subrounded to rounded, colorless quartz grains poorly cemented with pyrite.
1370-1450	Sandstone, very light gray, very fine to fine grained; some sandstone as above; some shale, medium and medium light gray.
1500-1540	Sandstone, medium to very coarse, loose subangular to rounded, some pyrite.
1540-1550	Sandstone, as above and sandstone, very light gray, very fine to fine grained, fairly calcareous firmly cemented.
1550-1590	Sandstone, loose, medium to very coarse, angular to subrounded, colorless quartz.
1590-1620	Sandstone, loose, as above except some finer grained and sandstone grayish orange, fine grained, slightly calcareous cemented.
1620-1640	Sandstone as above with many siderite concretions.
1640-1650	Chert, dark yellowish brown, 10YR4/2.
1650-1670	Sandstone, grayish orange to pale reddish brown 10R4/2, very fine to fine grained, siliceous cemented.
1670-1690	Sandstone, very pale orange 10YR8/2 to grayish orange 10YR7/4 fine to coarse grained, firmly cemented with silica, rounded to sub-rounded grains.
1690-1710	Sandstone, loose, fine to very coarse, rounded to subangular, colorless quartz.
1710-1730	Sandstone as above becoming coarser with some gravel size.
1730-1740	Sandstone as above; some dolomite, very light gray, very finely crystalline dense and some light gray chert.
1740-1790	Dolomite, very light gray, finely crystalline, dense, some chert, light gray.
1790-1800	Limestone, white to very light gray, fine to medium crystalline, fragmental; some chert, light gray.
1800-1870	Limestone as above.

1870-1890 Dolomite, very light gray, very fine to finely crystalline, dense to fair intergranular porosity.

1890-1900 Dolomite, grayish orange pink 5YR7/2, fine to medium crystalline, good intergranular porosity and a little vuggy porosity.

1900-1920 Dolomite, as above and finely crystalline, dense.

1920-1940 Dolomite, grayish orange pink 5YR7/2, finely crystalline, dense.

1940-1980 Dolomite, as above and white, finely crystalline with some pale red mottling.

1980-2020 Dolomite, white, finely crystalline; a little white chert.

2020-2060 Dolomite, very light gray, microcrystalline; some dolomite as above.

2060-2070 Dolomite, pale red 10R6/2, fine to medium crystalline dense.

2070-2130 Dolomite, grayish orange pink 5YR7/2, very fine to finely crystalline.

2130-2170 Dolomite, white to very light gray, finely crystalline, dense.

2170-2210 Dolomite, mottled grayish orange pink and grayish yellow 5Y8/4 fine to medium crystalline, granular.

2210-2240 Limestone, pale red, finely crystalline, some dolomite, grayish orange pink, finely crystalline.

2240-2280 Limestone, pale red, fine to medium crystalline, dolomitic.

2280-2290 Limestone, grayish orange pink 5YR8/4 fine to medium grained, granular.

2290-2320 Dolomite, very light gray, finely crystalline.

2320-2340 Limestone, white to very light gray, fine to medium crystalline, fragmental; a little white chert.

2340-2360 Dolomite, grayish orange pink and white finely crystalline.

2360-2380 Dolomite, white, finely crystalline.

2380-2460 Dolomite, very pale orange 10YR8/2, finely crystalline, dolomite as above.

2460-2490 Dolomite, pinkish gray, fine to medium crystalline, good intergranular porosity.

2490-2520 Dolomite, grayish orange pink 5YR7/2 to very pale orange 10YR8/2, fine to medium crystalline, dense.

2520-2530 Dolomite, as above and white, fine to medium crystalline.

2530-2610 Limestone, white, fine to medium crystalline, fragmental and dolomite, grayish orange pink, finely crystalline.

2610-2660 Limestone, grayish orange pink 5YR7/2, finely crystalline, dense and limestone, white, as above, dolomitic.

2660-2750 Limestone, white to light yellowish gray, fine to medium crystalline, fragmental; some limestone grayish orange pink, finely crystalline, dolomitic.

3102 Total Depth.