I.D. NUMBERS

OPERATOR: United Fuel Gas
FARM: Carl Shoemaker
WELL NUMBER: 6976
LOCATION: Rockingham Co., Bergton 7.5' quad.
LAT.: 14,500' S. of 38° 50'
LONG.: 10,700' W. of 78° 55'
ELEVATION: 1,505'
TOTAL DEPTH: 3,098'
DRILLING COMMENCED:
WELL COMPLETED: 7 May 1952
RESULT: Dry Hole

V.D.M.R. 155 (B-5)
OIL & GAS INSPECTOR RO-3
API 45-165-19692-00-03

LOGGED BY Bartlett & Associates (THB)

GEOLOGIC LOG

INTERVAL	DESCRIPTION
0-3015	Samples not examined
3015-19	Sandstone, clear to white, fine to fine-medium grained quartz, subangular to angular, mostly glassy. Most of sample disaggregated. Chips of rock present have slight amount of calcareous intergranular cement, but are mostly grain-supported and probably tight. Minor brown staining on some qtz. crystals.
3019-20	Quartz sandstone, as above, w/ slightly larger average grain size. Tight. Rare grains of limestone, v. fine grained, m. dark gray in the quartzite.
3020-22	Quartz sandstone, clear to white to light gray, fine to fine-medium grained, subangular quartz grains w/ rare mica (?) and dark gray carbonate grains. Minor calcareous intergranular component of otherwise tight, grain-supported quartz. Probably fairly hard-iron staining and fragments from bit common.
3022-25	Quartz sandstone, as above: average grain size medium and amount of intercrystaline carbonate increased. Rock fragments softer (?) Most of sample disaggregated.
3025-29	Calcareous quartz sandstone, as above.
3029-33	As above, average quartz size fine-medium, some fragments virtually very sandy limestone, med. light gray, with matrix-supported fine quartz grains and occasional fine dk. clast.
3033-36	Calcareous quartz sandstone - very sandy limestone, as above.
3036-40	As above, w/ some of the sandy limestone, med. gray.
3040-43	As above, most remaining rock fragments are med. gray, sandy limestone
3043-47	Calcareous quartz sandstone (disaggregated), tan, fine grained, mostly glassy subangular grains, tho a few show minor frosting; minor fine dk. gray-black clasts mixed w/ qtz. Trace black shale.

3047-51	Sandstone,calcareous, white to light brown, mostly disaggregated fine subangular glassy quartz grains;and limestone, very sandy and siliceous, med. gray, med. xln., with fine subangular quartz grains.
3051-54	Sandstone,calcareous and limestone,very sandy,as above. Trace shale.
3054-58	As above, predominately very calcareous sandstone. Trace black shale.
3058-63	As above.
3063-66	Sandstone, calcareous, lt. gray - grayish - brown, fine to very fine grained, glassy, predominately subangular, tho some grains of quartz are subrounded and frosted.
3066-74	Sandstone, lt. brown - grayish brown, v. fine grained, calcareous, mostly disaggregated; minor dark gray, very siliceous/sandy, fine crystalline limestone.
3074-75	Sandstone, med. to med. dark gray, fine grained, calcareous, mostly grained supported, subangular glassy qtz. grains.
3075-80	Limestone, m. dark gray, very siliceous and sandy, fine crystalline, and sandstone as above: sandstone dominant lithology.
3080-82	Sandstone as above, 80%; Limestone as above, 20%.
3082-85	Limestone, dark gray, fine to very fine crystalline, slightly sandy to very sandy, w/ occasional white calcite vein and rare fluorite xls. Sandstone, white-med. gray, fine grained, calcareous, usually matrix supported.
3085-91	Predominately limestone as above, mostly the very sandy/siliceous variety w/ "eyes" of white calcite xls, clusters and occasional brachiopod fossil fragment; with sandstone, as above.
3091-3103	Limestone, as above.

3015-3075' Oriskany sandstone. Very low porosity due to lime cement

3075-3082' Transition zone: Oriskany Ss. to Helderberg limestone

3082-3103' T.D. Helderberg limestone