

Mask et. al. No. 2 State, NW NW NE Sec. 2-T. 19S.-R. 31E. LeFlore County, N.M.
Original total depth 3587'. Deepened to T.D. of 4130'.

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O. C. C.
ANALYSIS OFFICE

- 3587' - 3595' No samples.
- 3640' White to very light gray, dense, dolomitic limestone
 - 3650' Dense, non-crystalline, tannish, dolomitic limestone
 - 3660' Very light gray to tannish to pinkish, granular crystalline dolomitic limestone.
 - 3690' White to light gray to tannish, dense, dolomitic limestone
 - 3710' Fine gray to pink sandstone & light gray, dense dolomitic limestone that appear to be interbedded.
 - 3720' White to very light gray, dense, dolomitic limestone
 - 3730' White to light tannish, dense, dolomitic limestone
 - 3750' Limestone as above, interbedded with fine, gray calcareous sandstone. The depth of 3750' appears to mark the top of the Capitan series.
 - 3770' White to pinkish, dense, dolomitic limestone.
 - 3780' White to light gray, dense dolomitic limestone, plus some fine gray Sand
 - 3810' White to light tannish gray, dense, dolomitic limestone
 - 3820' White to light tannish dolomitic limestone. Traces of pin-point porosity.
 - 3830' White, granular crystalline dolomitic limestone & non-crystalline light tannish dolomitic limestone
 - 3850' White to light tannish dolomitic limestone & very fine gray to reddish, slightly micaceous sandstone. Traces of oil stain in the sand.
 - 3880' White to very light gray, dense dolomitic limestone
 - 3930' White to light tannish, dense dolomitic limestone. In part granular crystalline.
 - 3990' White to very light gray, dense dolomitic limestone. Possibly very thin interbeds of fine grained sandstone.
 - 4010' White, dense dolomitic limestone that in part carries oil staining that is mainly dead. No visible porosity.
 - 4020' Limestone as above, but less stained, plus some fine gray sand that may carry some water.
 - 4050' Light gray to tannish, dolomitic limestone. In part crystalline. Traces of anhydrite.
 - 4070' Tannish white dense dolomitic limestone, plus a little fine gray sand.

Test cored from 4071' to 4122' (uncorrected depths) Not all of the core was saved.

Fragmentary record:

- 4071' Dense, finely crystalline, brownish dolomitic limestone with glassy anhydrite inclusions.
- 4079' Dense, fine grained, tight gray sandstone. Traces of oil stain.
- 4100' Dense, fine grained, tight gray quartz sandstone. Paper thin streaks of black sand. Color appears due to hydrocarbon residues.

Continuous coring:

- 4101' - 4102' Very fine, tight, clear to very light gray sandstone. Traces of black hydrocarbon specks. No staining.
- 4104' Sandstone as above, but showing moderately good oil staining.
- 4106' Sandstone as above, but with only traces of oil staining.
- 4107' 8" Very fine gray, tight quartz sandstone. Traces of water?
- 4108' 2" Fine, gray quartz sandstone. Good staining. Little porosity.
- 4109' Fine, tight gray sandstone. No staining.
- 4111' Fine gray quartz sandstone. Good saturation. Moderate porosity. A few clear spots that may carry a little water.
- 4112' Fine, well saturated quartz sandstone. Relatively soft. Appears to lack cementing material.
- 4114' As above, plus few clear spots that could carry a little water.