The Texota Oil Company - E. L. Ely No. 1 was spudded July 7, 1955, drilled to a total depth of 6999 feet, found dry and plugged August 9, 1955.

Logging Record:
Electric Log
Run 1, 532-5190, 7/18/55
Microlog
Run 1, 3700-5188, 7/18/55
Microlaterloog
Run 1, 5900-6994, 8/7/55
Laterolog-3 and Gamma Ray
Run 1, 5190-6995, 8/7/55

CORES: None

TESTS:
DST. No. 1, 5967-6017, recovered 50' mud, SI BHP 245#.

DST. No. 2, 6344-6371, recovered 50' slightly gas cut mud, 90' SW cut mud and 933' salt water. FFP 560#, SIBHP 2825#.

DST. No. 3, 6614-6691, recovered 30' drilling mud, 180' slightly oil and gas cut mud, 90' salt water. FFP 225#, SIBHP 2900#.

CASING RECORD:
10 3/4 inch, 32.75#, H-40 casing set at 532 feet with 335 sacks cement.

PLUGGING RECORD:
Surface - top of casing.
Cut off and cemented at top.
Five sacks of cement.
495-532 - 15 sacks of cement
4060-4000 - 15 sacks of cement
4490-4550 - 15 sacks of cement
6250-6310 - 15 sacks of cement
6590-6630 - 15 sacks of cement

Formation tops were determined from the samples and the electric and laterolog - Gamma Ray logs. Not all formation tops were called. Color names were taken from the 1948 Rock Color Chart which was distributed by the National Research Council, Washington, D.C.
FORMATION TOPS

Cretaceous System
Pierre Shale 1202
Niobrara formation 2880
Greenhorn formation 3458
Mowry (L. K.) 3723
Newcastle sandstone 3827
Basal sandstones 4048

Jurassic System
Piper Limestone 5138

Triassic System
“Spearfish” 5352

Mississippian System
Kibbey Lime 5707
Charles 5870
Mission Canyon 6421

0-800 Samples missing.
800-920 Clay, silty, light gray and light gray fine-grained sandstone.
Small amounts of lignite fragments.
920-950 Shale, medium dark gray, massive to flaky.
950-1000 Sandstone, light gray, fine medium grained, calcareous in part,
green mineral, micaceous, predominately quartz. Light gray clay
and silty, as above. Lignite fragments.
1000-1070 Clay and silt, light gray many fragments of lignite.
1070-1170 Sandstone clay and silt as above, light brown silty clay.
1170-1210 Sandstone light gray medium - coarse grained quartzose. Light gray
clay and silt.
1210-1230 Sandstone light gray fine grained, calcareous in part, green
mineral light gray silt and clay.
1230-1400 Clay, silty, light gray to olive gray with pale red clay.
Fragments of sandstone as above. Traces medium light gray clay.
1400-2900 Shale, medium light gray to medium gray earthy, massive and
spongy. Traces of light gray bentonite, brown concretion
fragments and calcite prisms.
2900-3160 Shale, medium gray massive silty.
3160-3250 Shale, medium gray as above. “First white specks”, calcareous.
3250-3400 Shale medium gray to medium dark gray massive.
3400-3480 Shale, medium dark gray, massive to flaky.
3480 Circulation 40 minutes. Shale, medium dark gray massive calcareous
“second white specks”. Small amounts of light gray fragmental
limestone.
3480-3600 Shale, medium dark gray massive calcareous; “white specks”, light
gray fragmental limestone, and calcite prisms.
3600-3840 Shale, medium dark gray to dark gray massive to flaky.
3844 Circulation 30 minutes. Shale as above. Fragments of cemented,
fine-grained sandstone, fair porosity.
3840-3870 Shale, medium dark gray to dark gray. Traces of above sandstone.
3870-4040 Shale, as above.
4040-4090 Shale, medium dark gray to dark gray. Massive with small amounts
of fine-grained quartzose sandstone. Calcareous cement and light
gray siltstone.
4092 Circulation one hour. Shale and sandstone as above.
4090-4200 Shale medium dark gray to dark gray. Traces of sandstone and siltstone as above.


4200-4280 Samples as above.

4288 Circulation one hour. Shale as above and fine-grained quartzose sandstone fragments.

4280-4360 Samples as above.

4368 Circulation one and one quarter hours.

4360-4410 Shale as above with traces of medium to coarse grained quartz grains.

4410 Circulation one hour. Samples as above.

4410-4440 Samples as above.

4440-4540 Shale, medium dark gray to dark gray; greenish gray to light olive gray silty shale; and light gray arenaceous silty limestone and calcareous silty very fine grained sandstone, slightly pyritic.

4540-4590 Shales as above, sandstone very light gray, calcareous very fine grained slightly glauconitic.

4590 Circulation one hour. Sandstone, very light gray, fine-grained calcareous. Shales as above.

4590-4670 Samples as above.

4670-4690 Siltstone calcareous. Shales as above.

4690-4700 Shale greenish gray to olive gray, dark gray, and brownish gray.

4700-4850 Shale greenish gray to olive gray, silty, dark gray shale.

4850-4960 Shale as above with very small chips of very light gray limestone, arenaceous limestone and calcareous siltstone.

4960-4990 Shales as above, and reddish brown splintery shale.

4990-5030 Shales as above and very light gray calcareous siltstone and argillaceous limestone.

5030-5040 Limestone, light brownish gray fragmental coarse-grained with a very fine-grained matrix and therefore dense, shales as above.

5040 Circulation one hour. Limestone as above and arenaceous limestone, shales as above.

5040-5060 Samples as above.

5060-5075 Shales as above.

5075-5110 Limestone, light brownish gray dense fine-grained. Shales as above.

5110-5115 Shale greenish gray, splintery. Dark gray shale and traces of above limestone.

5115-5150 Shales greenish gray dark gray and reddish brown splintery.

5150-5190 Limestone very light gray dense fine grained shales as above.

5190-5220 Shales as above. Traces of anhydrite and limestone as above.

5206 Circulation one and one half hours. Samples as above.

5206-5260 Shale greenish gray and reddish brown splintery dark gray shale also.

5260-5280 Limestone brownish gray, dense fine-grained. Shales as above and traces of white gypsum.

5280-5340 Shales as above.

5340-5370 Shales as above with white clear anhydrite.

5370-5410 Siltstone shale pale reddish brown sandy.

5410-5560 Siltstone shale and sandstone very fine-grained pale reddish brown with a few loose quartz grains that are rounded and frosted.
5560-5590  Silt and shale, pale reddish brown anhydritic, sandy. Mostly cave from above.
5590-5690  Samples missing.
5690-5720  Silt and shale as above, traces coarse-grained rounded frosted quartz grains.
5720-5740  Limestone pinkish gray dense fine medium-grained subcrystalline anhydrite inclusion.
5740-5760  Sandstone pinkish gray to very light gray fine-grained calcareous quartzose.
5760-5910  Mostly cave. Grayish red shale and traces of above sandstone traces of white anhydrite from 5830-5910.
5910-5930  Limestone light brownish gray to pale red fragmental oolitic in part anhydritic dense.
5930-5950  Anhydrite white pinkish gray dense crystalline cave as above.
5950-5960  Anhydrite as above. Limestone moderate pink shale and sandstone as above.
5960-5970  Anhydrite, light gray dense shaly.
5970-6020  Limestone light brownish gray dense crystalline trace vuggy to fragmental coarse-grained much recrystallized small amounts anhydrite, much cave.
6020-6150  Anhydrite, white light gray shaly much cave.
6150-6300  Cave, occasional trace of light brownish gray fragmental limestone and light gray anhydrite.
6300-6330  Anhydrite light gray to white.
6330-6350  Cave, traces of anhydrite and light brownish gray limestone granular.
6350-6410  Limestone very light brownish gray to light gray fragmental dense with traces granular limestone as above.
6410-6500  Limestone, light brownish gray to light gray dense very fine-grained, crystalline to fragmental subcrystalline traces of anhydrite.
6500-6540  Limestone, very light brownish gray dense, crystalline fine-grained trace vuggy porosity. Trace oolites fragmental.
6540-6550  Limestone, light gray to very light brownish gray fragmental fine-grained grainy and granular. Also dense crystalline shaly, medium gray shale. Trace of dark gray shale.
6550-6580  Limestone, light gray to medium gray dense grainy to granular, silty medium gray shale.
6580-6600  Limestone, light gray to medium gray fragmental, grainy partially oolitic sandy appearance and medium gray shale all silty. Varys to a dense crystalline light brownish gray limestone with carbonaceous streaks.
6600-6650  Limestone, light brownish gray fragmental fine-medium-grained grainy silty with small amounts of shale and sandstone, light to medium gray calcareous quartzose.
6650-6680  Limestone, light brownish gray fragmental fine medium-grained, grainy.
6680-6710  Limestone light brownish gray to medium light gray dense, fragmental to crystalline fine-grained.
6710-6850  Cave, mostly shale, limestone light brownish gray fragmental dense chalky in part traces pink anhydrite in all samples.
6850-6910  Limestone brownish gray fine-grained crystalline and subcrystalline inclusions of anhydrite. Much medium gray shale.
6910-6940  Shale dark gray, calcareous massive compact. Traces of shell fragments.
6940-6995  Limestone, light gray to a very light brownish gray, dense fragmental fine-grained. Chalky in part.
            T.D. 6995 samples.
            T.D. 6999 drill.