



01839001

005-06021

CORE NO. 1
(5708--5765)

CUT 60' RECOVERED 60'

CORING TIME:	15",	23",	4",	3",	2",	3",	2",	3",	3",	4",	4",	4",
	5",	5",	5",	3",	3",	4",	4",	7",	8",	17",	10",	10",
	12",	25",	31",	34",	3",	7",	7",	3",	7",	7",	3",	3",
	7",	3",	14",	19",	17",	17",	15",	21",	14",	10",	10",	9",
	10",	8",	3",	3",	12",	20",	14",	16",	15",	21",	13",	13".

CORE DESCRIPTION:

5708	-	5708	(2')	Shale, black, soft, fissile, bentonitic.
5708	-	5708½	(½')	Shale, black, hard with reworked siltstone, grey, hard, no shows.
5708½	--	5713½	(17')	Sandstone, grey, very fine, sub-angular to sub-rounded, micaceous, with occasional shale glauconite, clay-filled, numerous shale partings and laminae, very low porosity and permeability, no shows.
5725½	-	5729	(3½')	Sandstone, grey, fine, sub-rounded, carbonaceous, glauconitic, micaceous, low porosity and permeability, no shows.
5729	-	5734	(5')	Sandstone, grey, fine sub-angular to sub-rounded, with disseminated carbonaceous material, with occasional shale laminae, good porosity and permeability, no shows.
5734	-	5745	(11')	Sandstone as above with abundant shale laminae, low porosity and permeability, no shows.
5745	-	5751½	(6½')	Shale, black, hard, with occasional grey hard siltstone inclusions, no shows.
5751½	-	5758½	(7')	Sandstone, grey, very fine, sub-rounded, carbonaceous, clay-filled with trace mica, with shale inclusions, and partings, very low p and permeability, no shows.
5758½	-	5765	(6½')	Shale, black, hard, with interbedded hard grey siltstone.
5765	-	5766½	(1½')	Sandstone, grey to buff, very fine, sub-rounded, friable with some clay-fill, with occasional shale laminae inclusions, low p&perm, no shows.

WELL REPORT

COMMENCED: 4-26-67
 COMPLETED: 5-1-67
 TOTAL DEPTH: 5066' Dr. Hole
 5070' Log
 RESULTS: Plugged and Abandoned
 CONTRACTOR: Erector Drilling Co.
 HOLE SIZE: 7-7/8"
 SURFACE CASING: 125' of 3-1/2" x 24# surface casing set
 with 110 sacks dry cement. 3% CaCl₂.
 DATUM: Kelly Casing
 LOGS: IES, James Ray-Sonic with Caliper Log.

FORMATION LOG

NEOMIANA: 4012'
 FORD HAYS: 5221'
 CODELL ss: 5188'
 ORLEANS: 5232'
 GREENHORN: 5358'
 BENTONITE: 5574'
 "D" SANDSTONE: 5607'
 "B" SANDSTONE: 5700'
 SKULL CREEK: 5881'
 DEVIATIONS: 5833' Ground
 5851' RI

LITHOLOGY

49" SANDSTONE: (5667-5681)

- 5667 - 5672 (5') Siltstone, grey, with disseminated mica and pyrite, with occasional shale laminae, blocky, hard, no shows.
- 5672 - 5681 (9') Shale, black, fissile with streaks siltstone as above.

50" SANDSTONE: (5708-5852)

- 5708 - 5708 (60½') See core description.
- 5708 - 5772 (6') Sandstone, grey-buff, very fine, sub-rounded, friable, loosely consolidated with trace mica, low porosity and permeability, no shows.
- 5772 - 5788 (14') Sandstone, grey-buff, very fine, sub-rounded, loosely consolidated to unconsolidated, occasional shale laminae, good porosity and permeability, no shows.
- 5788 - 5788 (2') Sandstone, grey, very fine, sub-rounded, clay-filled with shale laminae, low porosity and permeability, no shows.
- 5788 - 5795 (7') Shale, black, fissile, with trace mica.
- 5795 - 5802 (7') Sandstone, grey to dark grey, very fine, shaley, bentonitic, soft, micaceous, very low porosity and permeability, no shows.
- 5802 - 5815 (13') Siltstone, grey, micaceous, bentonitic with black shale partings and laminae, very low porosity and permeability, no shows.
- 5815 - 5852 (37') Siltstone as above with interbedded black shale.
- 5852 - 5870 (18') Shale, black, fissile with occasional streak hard grey siltstone.

DRILL STEM TEST

DRILL STEM TEST NO. 1: (5780-5787)

Open 1 1/2 hours, shut in 30 minutes. Cock blow in 3 minutes; off bottom for 1 hour, decreased until very weak in 30 minutes.

RECOVERED: 3121' - when, no shows.

DRILL PRESSURE: 308-1361

SHOTIX PRESSURE: 1434

HYDRO. PRESSURE: 3121-1395

PLUGGING DATA

The hole was plugged as recommended by the Colorado State Oil and Gas Conservation Commission. The hole was filled with 10# mud; a 10 sack cement plug was set in and out of the base of the surface casing. A 10 sack cement plug was set in the top of the surface casing (30'-3').

MUD DATA

The basic mud was a low pH caustic, quebracho mud. In the upper hole and to a depth of 4400' weight and viscosity were controlled by the addition of water and the jetting of pits. From 4400' to total depth, mud properties were controlled by the addition of quebracho, caustic soda and gel. Approximately 1000 gallons of diesel oil was added to the mud system; the diesel oil was about 2% of volume.