



DISCUSSION

COMMENCED: 4-24-67
 COMPLETED: 4-30-67
 TOTAL DEPTH: 5900' Driller
 5900' Logger
 RESULTS: Plugged and abandoned
 CONTRACTOR: Etneter Drilling Co.
 HOLE SIZE: 7-7/8"
 SURFACE CASING: 150' 6-5/8" in 24# new casing set with 100
 sacks reg. cement. 3% CaCl₂.
 DATUM: Kelly Dushing
 LOGS: NBS, Gamma Ray Density and Sonic.

FORMATION TOPS

NIOBRARA:	4039	+1383
FORT WAYS:	5240	-20
CODELL ss:	5270	-55
JARLILE:	5209	-37
GREENHORN:	5367	-145
BENTONITE:	5500	-374
"D" SANDSTONE:	5397	-475
"J" SANDSTONE:	5727	-515
SKULL CREEK:	5396	-374
ELEVATIONS:	5000	TL
	5213	GR.

LITHOLOGY

"D" SANDSTONE: (5697-5712)

5697 - 5712 (15') Siltstone with shale interbeds, no porosity, no shows.

"B" SANDSTONE: (5730-5896)

5730 - 5750 (20') See core description.

5790 - 5802 (12') Sand, white to light grey, fine grained, sub-angular, partially clay-filled, poor porosity and permeability, no shows.

5802 - 5840 (38') Sand as above.

5840 - 5896 (56') As above, slightly glauconitic, becoming fine grained at base.

DRILL STEM TEST

NO TESTS!

PLUGGING DATA

The hole was filled with 10# mud and plugged 4/30/67 as recommended by D. V. Rogers of the Colorado Oil & Gas Commission as follows:

- A 15 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'-0').

MUD DATA

Water based gel mud with soap additive. Mud weight and viscosity were controlled by the addition of water, caustic and quebracho. Water loss maintained below 10cc. at coring point.

DRILL RECORD

<u>RUN NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>SERIAL NO.</u>	<u>DRIVE TIME</u>	<u>HOURS</u>
1	7-7/8	Reed	DT		3255	13
2	7-7/8	Reed	YTBR		4519	21
3	7-7/8	Reed	YTBR		5401	21
4	7-7/8	Hughes	OSCR		5790	14
Core	6-1/2 CD	Christensen	Dir.	(5790-5790)		
5	7-7/8	Security	YLA		5990	12

HOLE DEVIATION

<u>DEPTH</u>	<u>DEGREE</u>
1009	1/2
1507	3/4
3255	0
5094	1/2
5407	1

CORE ANALYSIS

Wadjusted to log

<u>INTERVAL</u>	<u>HORIZONTAL</u>	<u>VERTICAL</u>	<u>POROSITY</u>	<u>OIL</u>	<u>WATER</u>
5776-77	52.	42.	13.5	0.0	66.
5779-80	215.	176.	14.2	0.0	71.9
5782-83	199.	170.	14.2	0.0	73.3
5786-87	145.	127.	14.2	0.0	74.0