No other formations are expected to contain oil, gas, or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 13 3/8" surface casing at 400' and circulating cement back to the surface. Troublesome shallow oil zones (zones less than 2600' in depth) will be cased off with 9 5/8" intermediate casing and cement will be tied back into the surface casing. Any zones below intermediate casing setting depth and above TD which contain commericial quantities of oil and/or gas will have cement circulated across them by inserting a cementing stage tool (D. V. Tool) into the 5 1/2" production casing which will be run to TD.

4. Casing Program:

Hole Size	Interval	OD csg.	Wt.,Grade, Cond.
17 1/2"	0 - 400'	13 3/8"	54.5#,LS new stc
12 1/4"	400-2600'	9 5/8"	36#,LS new stc
8 3/4"	2600-10,300' (see schedule #1)	5 1/2"	17&20#,used N-80, LTC

Cement Program:

13 3/8" surface casing: Cemented to surface with 200 sacks of Class "C" Lite containing 10#/sack Gilsonite + 1#/sack cellophane flakes + 3% CaCL2 + 200 sacks of Class "C" Neet + 3% CaCL2.

9 5/8" Intermediate casing: Cement tied back into the surface casing with 800 sacks of Class "C" Lite containing 5#/sack Gilsonite + 1#/sack cellophane flakes + 2% CaCL2 followed by 200 sacks of Class "C" Neet containing 3% CaCL2.

5 1/2" production casing: Cemented with 700 sacks of Class "H" containing .7% fluid loss additive + .3% friction reduction additive + 5# compressive strength enhancer + 5% KCL. This cement slurry is designed to bring the TOC to approximately 7500'. Shallower productive zones will be cemented by