EAST SHUGART UNIT #44 DRILLING PROGRAM PAGE 2

4. <u>Casing Program</u>:

<u>Hole Size</u>	Interval	Casing OD	Weight, Grade, Type
17 1/2" 12 1/4"	0' - 40' 0' - 950'	14" 8 5/8"	Conductor, 0.30" wall 24#, WC, ST&C, new R-3
7 7/8"		5 1/2"	15.5#, J-55, ST&C, new R-3

Cementing Program:

14" Conductor Casing:	Cemented with ready-mix to surface.
8 5/8" Surface Casing:	Cemented to surface with 280 sks LITE (35% Poz: 65% Class C) + 6% gel + 2% CaCl2 + 1/4 lb/sk cellophane flakes 200 sks Class C + 2% CaCl2 + 1/4 lb/sk cellophane flakes.
5-1/2" Production:	Cemented to surface with 550 sks LITE (35% Poz: 65% Class C) + 6% gel + 1/4 lb/sk cellophane flakes 500 sks Class C + 4% gel + 1/4 lb/sk cellophane flakes.

The above cement volumes could be revised pending the caliper measurement from the open hole logs. The top of cement is designed to reach surface.

5. <u>Minimum Specifications for Pressure Control</u>:

The blowout preventor equipment (BOP) shown in Exhibit #1 will consist of a (3M system) double ram type (3000 psi WP) preventor and a bag-type (Hydril) preventor (3000 psi WP). Both units will be hydraulically operated and the ram type preventor will be equipped with blind rams on top and 4-1/2" drill pipe rams on bottom. Both BOP's will be installed on the 8 5/8" surface casing and utilized continuously until total depth is reached. As per BLM Drilling Operations Order #2, prior to drilling out the 8-5/8" casing shoe, the BOP's and Hydril will be function tested.