

- (9) Casing Setting Depth and Cementing Program:
- (a) Surface casing will be 13-3/8" set at 420' and cemented with 200 sacks of Class "C" with 6% gel, 1/4# sack Flocele, 2% CaCl₂ and 150 sacks of Class "C" with 2% CaCl₂.
 - (b) Intermediate casing will be 8-5/8" set at 3,000' and cemented with 300 sacks of Halliburton thickset with 12#/sack gilsonite, 1/4# per sack Flocele, 2% CaCl₂ followed by 700 sacks of Class "C" with 16% gel Gulfmix and 200 sacks of Class "C" with 2% CaCl₂.
 - (c) Production casing will be 5-1/2" set approximately 11,200' and cemented with Class "H" with 0.75% CFR-2, 5#/sack KCL with volume necessary to bring cement top to 8,500' using caliper survey for volumes.
- (10) Pressure Control Equipment: The minimum specifications for pressure control equipment can be seen on the attached Drawing No. 4 of Gulf's blowout preventer hook-up for 5000 psi working pressure.
- (11) Circulating Media: 0-420', fresh water spud mud; 420-3000', fresh water; 3000-10,000', brackish water; 10,000-11,200', salt water polymer with the following properties: viscosity 34-38 sec, water loss 5 cc's or less, Weight 9.6-10.6 ppg. Heavier weight mud will be used if required by well conditions.
- (12) Testing, Logging and Coring Programs:
- (a) Formation testing may be done at any depth where samples, drilling rate, or log information indicate a possible show of oil or gas.
 - (b) Open hole logs will be run at total depth.
 - (c) No cores are anticipated.
- (13) Abnormal Pressure or Temperature and Hydrogen Sulfide Gas: We do not anticipate any abnormal pressure or temperature; however, BOP's with remote control and choke manifold as shown on Drawing No. 4 will be installed prior to drilling below intermediate casing.
- The presence of hydrogen sulfide gas is not anticipated.
- (14) Anticipated Starting Date: Drilling operations should begin between July 1, 1978 and August 1, 1978.
- (15) Other Facets of the Proposed Operation: None.

Yours very truly,



C. D. BORLAND
Area Production Manager

Attachments
LVT/dch