

## SUPPLEMENTAL DRILLING DATA

MARBOB ENERGY CORPORATION  
WELL #5 HOLDER CB FEDERAL  
NW/4 NW/4 SEC. 17-17S-30E  
EDDY COUNTY, NEW MEXICO  
(DEVELOPMENT WELL)

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Salt	540'	Queen	2022'
Base Salt	970'	Grayburg	2422'
Yates	1156'	San Andres	2712'
Seven Rivers	1500'	Glorietta	4110'

3. ANTICIPATED POROSITY ZONES:

Water	Above 300'
Oil	2027' - 4600'

4. CASING DESIGN:

SIZE	INTERVAL	WEIGHT	GRADE	JOINT	CONDITION
8 5/8"	0-450'	24.0#	J-55	LTC	New
5 1/2"	0-4600'	17.0#	J-55	LTC	New

5. SURFACE CONTROL EQUIPMENT: A double ram-type or annular BOP will be used. (See diagram attached as Exhibit "E")

6. CIRCULATING MEDIUM:

0' - 450'	Fresh water mud with gel or lime as needed for viscosity control.
450' - 4600'	Salt water mud, conditioned as necessary for control of viscosity and water loss or gain.

7. AUXILIARY EQUIPMENT: Drill string safety valve.

8. LOGGING PROGRAM: CNL-FDC W/GR Log will be run to TD.

9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: A water flow may be encountered in the salt section.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about November 26, 1990. Duration of drilling, testing and completion operations should be one to four weeks.