#### SUPPLEMENTAL DRILLING DATA NEARBURG PRODUCING COMPANY BISON "12" FEDERAL #1

#### 1. SURFACE FORMATION:

Red Beds

## 2. ESTIMATED TOPS OF GEOLOGIC MARKERS: (Get from Geo. dept.)

5,300'
7,780'
10,730'
12,040'
12,320'
12,610'

# 3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Morrow

# 4. CASING AND CEMENTING PROGRAM: See easing and cementing program for maduro General Whit #5 for additional

	Setting Depth	tting Depth detail, (attacked)		#5 for addi
Casing Size	From To	<u>Weight</u>	Grade	<u>Joint</u>
13-3/8"	0 - 350'	48#	H-40	STC
8-5/8"	0 - 5,200'	24# & 32#	<del>J-55</del> K55	ę 580 STC)
5-1/2"	0 - 13,600'	17# & 20#	N-80	ATC

Equivalent or adequate grades and weights of casing may be substituted at time casing is run, depending on availability.

13% casing will be cemented to surface.

8-5/8" casing will be cemented to surface.

5-1/2" production casing will be cemented with approximately 950 sx of Class "H" 50/50 POZ.

### 5. PRESSURE CONTROL EQUIPMENT:

The BOP stack will consist of a 3,000 psi working pressure, dual ram type preventer and annular.

A BOP sketch is attached.