

BLM 8-POINT DRILLING PLAN
P.P.C. ST. FEDERAL COM. #1
Section 7, T-17-S, R-29-E
Eddy County, New Mexico

1. Estimated tops of important geological markers:

Salado (Salt)	300'
San Andres	2400'
Upper Penn	8200'
Morrow	10180'

2. Estimated depths at which the top and the bottom of anticipated water, oil, gas or other mineral bearing formations are expected to be encountered and the plan for protecting such resources.

	<u>TOP</u>	<u>BOTTOM</u>	<u>PROTECTION</u>
Deepest FW	-----	300'	13-3/8" Casing and Cement
Salt	300'	650'	
San Andres	2,400'	2,520' }	8-5/8" Casing and Cement
Upper Penn	8,200'	8,700' }	
Morrow	10,180'	10,600' }	5-1/2" Casing and Cement

3. Minimum specifications for pressure control equipment:

A. Wellhead Equipment:

Flange type, 3000 psi WP for 13-3/8" x 8-5/8" x 5-1/2" casing program with 2-7/8" tubing hanger.

B. Blowout Preventers:

<u>TYPE</u>	<u>PRESSURE RATING</u>	<u>INSTALLED ON CASING</u>
SA-Diverter	----	13-3/8"
RRA	3000 psi	8-5/8"

Refer to attached drawings and list of equipment.

C. BOP Control Unit:

The unit, located at least 40' from the BOP's, will be hydraulically operated and have two control systems.

D. Upon installation, the SA-Diverter will be function tested to ensure proper working condition.

When the TYPE "RRA" BOP is installed, it will be tested to a low pressure (200-300 psi) and to a high pressure of 2000 psi. Casing rams will be tested in a like manner. An operational test of the blowout preventers will be performed