DRILLING PLAN

STATE E COM #1E NE NE Section 16-29N-10W San Juan County, New Mexico

1. SURFACE GEOLOGICAL FORMATION: Tertiary Huerfano

2. ESTIMATED TOPS OF GEOLOGICAL MARKERS:

Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis Chacra Cliff House Menefee Point Lookout	1033' 1072' 1871' 2108' 2273' 3113' 3671' 3801' 4351'	Upper Mancos Gallup Lower Mancos Greenhorn Graneros Dakota A Dakota B Morrison	4794' 5609' 6137' 6367' 6414' 6474' 6527' 6732'
---	---	---	---

3. ESTIMATED TOPS OF POSSIBLE WATER, OIL, GAS OR MINERALS:

Ojo Alamo	1033'	Water
Fruitland	1871'	Gas
Pictured Cliffs	21081	Gas
Cliff House	3674 ¹	Gas
Gallup	5609 '	Gas
Dakota	6474'-6527'	Oil & Gas

4. PROPOSED CASING PROGRAM:

Casing	Hole Size	Interval	Section Length	Size OD	Weight Grade and Joint	New Used
Conductor						
Conductor	10.1/11	0-4001		8-5/8"	24#,K-55,STC	New
Surface	12-1/4"	0-400		0 3, 0	,	
Intermediate						
Dua Juntin	7-7/8"	0-6714		4-1/2"	10.5#,K-55,STC	New
Production	, ,, ,	•				
Liner .						

Cement Program

Conductor --

Surface Circulate cement to surface with 2% CaCl₂ additive

Intermediate --

Production Volume of cement will depend on caliphered hole volume.

Neat cement will be placed about 1000' above lower producing formations. Estimated 175 sx 50/50 poz mix with 4% gel and friction reducer followed by 160 sx Class "G" cement. Set DV tool 100' below Ojo Alamo

and cement in to surface casing.

Liner