

YATES PETROLEUM CORPORATION
COCONO "AVY" STATE #1
 1980' FSL and 660' FWL
 Section 29-T13S-R34E
 Lea County, New Mexico

DRILLING PROGNOSIS

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Yates	2,625'		
San Andres	4,215'	Strawn	11,425'
Glorietta	5,760'	Atoka	12,240'
Tubb	7,180'	Morrow Lime	12,730'
Abo	7,950'	Austin	13,125'
Wolfcamp	9,450'	Mississippian Lime	13,450'
		TD	13,550'

2. PRESSURE CONTROL EQUIPMENT

A 5000 PSI BOPE System will be nipped up on the 8 5/8" casing and tested daily for Operational. See the attached 5000 PSI schematic.

3. THE PROPOSED CASING PROGRAM

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Interval
14 3/4"	11 3/4"	42#	H-40	ST&C	0-400'
11"	8 5/8"	32#	J-55	ST&C	0-4300'
7 7/8"	5 1/2"	17# & 20#	L-80, J-55, N-80, S-95, P-110	LT&C	0-13550'

4. Cementing Program:

Surface Casing - Set with approximately 400 class C + 2% CaCl₂ (YLD 1.32 WT 15.6).

Intermediate Casing - Set with approximately 1200 sx Lite (YLD 2.01 WT 12.0). Tail in with 200 sx Class C (YLD 1.32 WT 15.6). Circulated.

Production Casing - Set with approximately 850 sx Super C Modified (YLD 1.67 WT 13.0). Top of cement approximately 7,300'.