

APPLICATION TO DRILL

CONCHO RESOURCES, INC.
SOUTHERN CROSS "11" FED. COM. # 1
UNIT "P" SECTION 11
T18S-R24E EDDY CO. NM

In response to questions asked under Section II of Bulletin NTL-6 the following information on the above well is provided for your consideration.

1. Location: 660' FSL & 660' FEL SEC. 11 T18S-R24E EDDY CO. NM
2. Elevation above Sea Level: 3687' GR.
3. Geologic name of surface formation: Quaternary Aeolian Deposits.
4. Drilling tools and associated equipment: Conventional rotary drilling rig using drilling mud as a circulating medium for solids removal from hole.
5. Proposed drilling depth: 9000'
6. Estimated tops of geological markers:

Abo	3850'	Atoka	8250'
Wolfcamp	5500'	Morrow	8500'
Cisco	6400'	Mississippian	8980'
7. Possible mineral bearing formations:

Cisco	Gas	Morrow	Gas
Atoka	Gas		
8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
25"	0-40	20"	NA	NA	NA	Conductor
12½"	0-850'	8 5/8"	32	8-R	ST&C	J-55
7 7/8"	0-9000'	4½"	11.6	8-R	LT&C	N-80 J-55