

## APPLICATION TO DRILL

CONCHO RESOURCES, INC.  
 BLACK JACK "1" FEDERAL # 2  
 UNIT "P" SECTION 1  
 T24S-R30E 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. 1 T24S-R30E EDDY CO. NM
2. Elevation above Sea Level: 3461' 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: 8200'
6. Estimated tops of geological markers:

Rustler Anhydrite		Cherry Canyon	5100'
Lamar	4000'	bone spring	8100'
Delaware	4100'		
7. Possible mineral bearing formations:

Delaware	Oil	Bone Spring	Oil
Cherry Canyon	Oil		
8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
25"	0-40	20"	NA	NA	NA	Conductor
17 1/2"	0-500'	13 3/8"	48	8-R	ST&C	H-40
11"	0-4000'	8 5/8"	32	8-R	ST&C	K-55
7 7/8"	0-8200'	5 1/2"	17	8-R	LT&C	N-80