

ADDITIONAL INFORMATION TO ACCOMPANY APPLICATION FOR PERMIT TO DRILL

YPC- LECHUGUILLA CANYON UNIT 4, 660/S 1980/E, Sec 8-24S-24E

1. Surface formation - Quaternary alluvium
2. Important Geologic Markers -

San Andres	@ 579
Glorieta	@1936
Bone Springs	@3724
Wolf-camp	@6485
Cisco	@7217
Lo.Canyon Ls	@7734
Strawn	@8079
Atoka	@8762
Morrow Clastics	@9482
3. Depth to Water: Approx. 270-275, 345-350, sulf wtr: 1936-3100
Depth to oil or gas: Poss. strawn @ 8650-8700
Poss. Atoka @ 8800-9300
Poss. Morrow @9540-9740, BHP-3220 psi
4. Casing Program: See Form 9-331C
5. Pressure Control: See Form 9-331C and Exhibit D
6. Mud Program: See Form 9-331C
7. Auxiliary Equipment: (a) Kelly cock; (b) pit levellers and flow sensor prior to drilling Wolfcamp; (c) sub on floor with full opening valve; (d) Yellow Jacket and daily tests of BOP's.
8. Formation to be DST as warranted; mud logger on from casing point; CNL-Density and DLL logs at TD to Csg Pt.
9. No abnormal pressures or temperatures experienced in area wells. Hydrogen sulfide and other toxic gases are minimal or non-existent. Mud will be inhibited for corrosion control and checked tourly.
10. Anticipated starting date: Mid-June or sooner, 1979.