

Additional Information to Accompany Application for Permit to Drill.

YPC - Robinson Federal HW 4, 1984's 1984W Sec 25-16S-24E, Sddy Co.

1. Surface Formation - Quaternary Alluvium.

2. Important Geologic Markers -

San Andres	@	476
Glorietta	@	1785
Alto	@	3753
Wolfcamp	@	4689
Cisco	@	5778
L. Canyon	@	6474
Strawn	@	6693
Atoka	@	6883
Chester ls	@	6983

3. Surface Water poss. @ 150-200'; Artesian Water @ 500-760'.

Oil & Gas Pays: Poss. San Andres @ 1000-1200'; Approx. BHP = 400 psi
Basal Alto @ 4630-4689; Approx. BHP = 1840 psi
Strawn @ 6800-6883; Approx. BHP = 2760 psi
Atoka @ 6900-6950; Approx. BHP = 2900 psi

4. Casing Program: See Form 9-331-c

5. Pressure Control: See Form 9-331-c and Exhibit D.

6. Mud Program: See Form 9-331-c

7. Auxiliary Equipment: Kelly Cock; Pit level indicators & Flow sensor;
Sub with full-opening valve on floor.

8. Drill stem tests as warranted; Mudlogger on @ 4500'; no coring.
CNL-Density log & Dual Laterolog.

9. Pressure and temperature data is from previous drilling experience in the area. Hydrogen sulfide and other toxic gases are minimal or non-existent. Mud is checked hourly and inhibited for corrosion control.

10. Expiring lease; must be drilling prior to May 31st, 1977.

Jim W
4-17-77