ERAUSE UN FEDERAL #4E SE SE Section 33-T28N-R11W San Juan County, New Mexico

1.	Surface Formation:	Macimiento				
2.	Geological Markers:	Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis Chacra Cliff House Pt. Lookout	755' 1307' 1655' 1868' 1953' 2308' 3415' 4278'	Upper Manc Gallup Lower Manc Greenhorn Graneros Dakota Morrison		4563' 5455' 5998' 6246' 6308' 6428' 6585'
3.	Anticipated Mineral	l Bearing Formations	<u>:</u> _	Ojo Alamo Fruitland Pictured Cliffs Cliff House Callup Dakota	(Poss. (Poss.	Gas) Gas) Gas)
4.	Casing Program:	Surface to 900' Production to TD		24# K-55 ST&C 10.5# K-55 ST&C		
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- 5. Control Equipment:

  Blowout Preventor Ram Type, hydraulic operated
  Rams Two: One blind ram and one pipe ram.

  Sevies 900 (3000#WP, 600#T)

  Manufacturer Cameron or Shaffer
  Pressure test at 1000 psi prior to drilling
  out of casing string. Operational checks
  to be made daily and on trips.

  Sketch attached.
- 6. <u>Drilling Fluids:</u> 0' to 900' Gel and lime to drill surface hole and set casing 900' to TD Low solids non-dispersed 9.0 9.1#/gal., 38-45 vis., WL 8 cc or less.
- 7. Auxiliary Equipment:

  Sub on floor with full opening valve for use in drill pipe when Kelly is not in the string.
- 8. Testing, Logging and Coring:

  At this time no drill stem tests or cores are planned.

  However, hole conditions and information obtained while drilling may alter these plans.
- 9. Abnormal Pressures, Temperatures, Potential Hazards: There are no abnormal pressures, temperatures or potential hazards in the area. The maximum anticipated pressure is 3600 psi. Weight material will be maintained on location at all times.
- 10. Starting Date Completion: Dirtwork and road work for this location will require 2 or 3 days. Moving in and rigging up 2 to 3 days. Drilling and completion will require approximately 30 days, for a total of 36 days. In the event of bad weather or other delays, this time could be considerably extended.

NTL-6 indicates a minimum of 30 days are required to obtain District Engineer's approval, in which case operations on this well could not be commenced until approximately May 10, 1980. Depending upon rig availability, equipment, weather, etc., this starting date could be extended.