



Subject	Date
Young Federal #1 (ARCO 50%)	12/4/74
Authorization number	

District
Permian - West Area
Location

1980' FN & EL Section 20, T18S, R32E, Lea County, New Mexico

Project
To test
Strawn (11,200') and Morrow (12,000') formation

Depth		
Approved	Contract footage	Daywork depth
13,000'	13,500'	

Casing program:

Surface casing

13-3/8" 48# H-40 STC @ 750'

Protective string	Position	Length	Cmt
8-5/8" 24# K-55 STC	2600'	2600'	
8-5/8" 32# K-55 STC	4550'	1950'	Circ

Oil string

5-1/2" 20# N-80 LTC	600	600	
5-1/2" 17# N-80 LTC	3520	2920	
5-1/2" 17# K-55 LTC	4300	780	
5-1/2" 17# K-55 STC	6980	2680	
5-1/2" 17# N-80 LTC	10700	3720	
5-1/2" 20# N-80 LTC	13500	2800	1000 sx.

Casinghead

Estimated formation tops

Base Salt	2450	Bone Spring	6750	Morrow Sand	12250
Yates	2600	Dean Sand	9650	Miss. Barnett	12500
Queen	3750	Wolfcamp	9950	Miss. Lime	12800
Grayburg	4000	Strawn	11200	Woodford	13350
Delaware Mtn	4500	Atoka	11500	Siluro-Dev.	13500

Mud program

0 -	750'	Spud Mud
750 -	4550'	Brine wtr 10#
4550 -	TD	Brine wtr - wt & vis as needed

Surveys	GR - Sfc to TD
	Density-CNL (Base 9-5/8 to TD)
	Dual Laterolog (Base 9-5/8 to TD)
	Microlaterolog (selected intervals)