

CLEARY PETROLEUM CORPORATION

MIDLAND DISTRICT
June 1, 1977

DRILLING PROGRAM

WELL: Cleary Petroleum Corporation
New Mexico Federal "F" No. 1
3300' FSL and 1980' FWL
Section 5, T-21-S, R-32-E
Lea County, New Mexico

ELEVATION:

SURFACE FORMATION: Quaternary alluvium and bolson deposits.

ESTIMATED FORMATION TOPS:

<u>Formation</u>	<u>Estimated Depths</u>	<u>Remarks</u>
B/Red Bed/Top Anhydrite	1350'	No show
Yates	3300'	No show
Capitan Reef	3400'	Prob. water
Del. Mtn. Sands	5200'	Prob. water
Bone Spring	8450'	Prob. water
Wolfcamp	10850'	Poss. show oil or gas
Strawn	12400'	Poss. show/oil
Atoka Sand	12700'	Poss. show/gas
Atoka Carbonates	12900'	No show
Morrow Upper Sands	13550-13750'	Prod. gas
Morrow Lower Sands	13850-T.D.	Prod. gas
Total Depth	14000'	

ESTIMATED DRILLING TIME: 55 days

Samples: 10' samples 3000' to total depth.

Drilling Time Record: Geologist-Surface to T.D. Hand kept drilling time as directed by geologist.

Coring: None

Testing: None anticipated dependent upon shows above main producing horizon (Morrow Sands).

Logging: Run #1 - Surface to thru Salado Formation 0'-3500'
GR-Acoustic-Caliper.
Run #2 - Base Intermediate to T. D.
GR-Acoustic Neutron, Guard, Forxo
Welex Logging Co.

Similar Well: Cleary Petroleum No. 1 New Mexico Federal "E"

Known Drilling Hazard in Area: Possible lost circulation in Capitan Reef 3600-4400'.
Possible high pressure in Atoka Sand.

Oil or Gas Shows: If any indications are noted and geologist not at well site, please call:

W.J. "Bill" Henry Ofc. 915-682-4484
Home 915-694-4520

or

Cleary Petroleum Corp. Ofc. 915-683-4793
Doug Rice Home 915-684-4724

Consulting Geologist: William J. Henry
William J. Henry

District Manager: Max E. Douglas
Max E. Douglas Cleary Petroleum Corporation
Ofc. 915-683-4793
Home 915-682-9675