

GRACE PETROLEUM CORPORATION

MIDLAND DISTRICT
November 3, 1978

DRILLING PROGRAM

WELL: Grace Petroleum Corporation
Whitten Federal No. 1
1980' FSL & 660' FEL
Section 14, T-21-S, R-32-E
Lea County, New Mexico

ELEVATION: 3649' GR

SURFACE FORMATION: Quaternary alluvium and bolson deposits.

ESTIMATED FORMATION TOPS:

<u>Formation</u>	<u>Estimated Depths</u>	<u>Remarks</u>
Yates	3552'	Prob. Water
Capitan Reef	3995'	No Show
Bone Spring	8290'	Poss. Show Oil
Wolfcamp	11055'	No Show
Strawn	12155'	Prob. Water
Atoka Sand	12370'	Poss. Gas
Morrow Carbonates	12580'	No Show
Morrow Clastic	12820'	Gas
Barnett	13270'	No Show
Miss.	13670'	No Show
Woodford	14275'	No Show
Devonian	14460'	Poss. Oil
Total Depth	14600'	

ESTIMATED DRILLING TIME: 70 days

Samples: 10' samples 3000' to total depth.

Drilling Time Record: Geolograph-Surface to T.D. Hand kept 10' drilling time from 10,000' to T. D.

Coring: None

Testing: None anticipated, dependent upon shows.

Logging: Run #1 - Base Intermediate to T. D.
GR-Acoustic Neutron, Guard, Forxo
Welex Logging Co.

Similar Well: Southwestern Natural 1-14 Aztec Federal
Sec. 14, T-20-S, R-34-E

Known Drilling Hazard in Area: Possible lost circulation in Bone Spring 8290-11055'.

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
Grace Petroleum Corporation Ofc. 915-683-4793
Buddy J. Knight Home 915-684-6263

Consulting Geologist: William J. Henry
William J. Henry

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