

UNION OIL COMPANY OF CALIFORNIA

DISTRICT OFFICE - MIDLAND, TEXAS

DRILLING PROGRAM

Field: Windmill Prospect

Location: 1980' FSL & 1650' FEL of Section
5, T-10-S, R-31-E, Chaves County, New
Mexico.

Well Name: WINDMILL FEDERAL WELL NO. 1

Estimated Total Depth: 10,700'

Drilling Data: 10' drilling time tabulated from 500'-TD (or as otherwise directed)

Samples: 10' samples from 500'-TD

Estimated Formation Tops:

Rustler	1220'	Hueco	7885'
San Andres	3100'	3 Fingers	8240'
Tubb	5925'	Atoka	9900'
Abo	6815'	Mississippian	10670'

Logs: Dual Laterolog TD-3200'
Comp Neutron - FDC - GR TD-3200' W/GR to surface

DSTs: Atoka 9900-10670'

Cores: None

Deviation: 5° maximum to TD with rate of change not to exceed 1° per 100'

Casing & Mud Program:

Depth	Size Hole	Casing	Cement	W.O.C.	Mud		
					Wt.	Vis.	W.L.
0'-500'	15"	11-3/4"	*400	24	As needed to spud		
500'-3200'	11"	8-5/8"	**650	24	10 Brine Water		
3200'-6600'	7-7/8"	-	-	-	8.5 Fresh Water		
6600'-TD	7-7/8"	5 1/2"	***	6	9.3-9.4	38-42	10

Rig to be released after nipping up 5 1/2" casing.

*Surface csg to be 400 sxs Class "C" w/4% gel & 2% CaCl₂.

**Cement to be 450 sxs lite wate followed by 200 sxs Class "C" neat.

***Cement to be calculated after logging

NOTE: Changes in the above program will be at the direction of a qualified Union Oil Company of California representative and should be clearly indicated on the program posted at the rig.



J. R. Hughes
District Drilling Superintendent

JRH:1b
11-11-77

LHS cwc
J. J.

RECEIVED

1 10 1977

OIL CONSERVATION BOARD
HOBBS, N. M.