

UNION OIL COMPANY OF CALIFORNIA
DISTRICT OFFICE - MIDLAND, TEXAS

DRILLING PROGRAM

Field: Esperanza (Delaware) Location: 1650' FNL & 2310' FEL, Section 10, T-22-S, R-27-E, Eddy County, New Mexico.

Well Name: FEDERAL "AJ" ~~WELL~~ WELL NO. 1

Estimated Total Depth: 4500'

Drilling Data: 10' drlg time 1800'-TD

Samples: 10' samples 1800'-TD

Estimated Formation Tops:

Top Salt	500'
Delaware	1875'
Delaware Sd	2050'
Manzanita	2820'
Lower Tracy Sd	3430'

Logs: FDC (0-4500'), Dual Laterolog, Micro SFL (500-4500')

DSTs: Delaware (4300')

Cores: None

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

Casing & Mud Program:

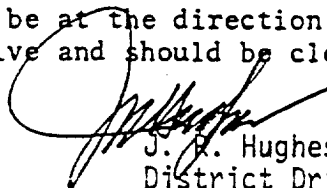
Depth	Size Hole	Casing	Cement	W.O.C.	Mud		
					Wt.	Vis.	W.L.
0'-475'	11"	8-5/8"	*350 sxs	18 hrs	As needed to spud		
475'-3400'	7-7/8"	-	-	-	10# Brine		
3400'-TD	"	5-1/2"	**400 sxs	6 hrs	10	35-45	<15

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

* 350 sxs Class "C" w/4% gel, 2% CaCl₂, ¼# flocele & 5# gilsonite. Calc to circ.

** 150 sxs lite w/¼# flocele followed by 250 sxs Class "C" 50:50 pozmix.

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. G. Hughes
District Drilling Superintendent

JRH:MRT:lb
1-25-80