

UNION OIL COMPANY OF CALIFORNIA
DISTRICT OFFICE - MIDLAND, TEXAS

DRILLING PROGRAM

Field: Laguna Prospect

Location: 1980' FNL & 1980' FEL of Section 35, T-19-S, R-33-E, Lea County, N.M.

Well Name: LAGUNA DEEP UNIT FEDERAL WELL NO. 1

Estimated Total Depth: 14,600'

Drilling Data: 10' drlg time from 2500'-TD

Samples: 10' from 2800' to TD

Estimated Formation Tops:

Yates	3140'	Morrow	12680'
Bone Spring	7920'	• Lower Morrow	13130'
Wolfcamp	10720'	Mississippian Lime	13620'
Strawn	12000'	Woodford	14170'
		Silurian	14310'

Logs:

Comp Neutron-FDC-GR, BHC Sonic-GR & Dual Laterolog from 13650-5300' (GR to surface). Dipmeter log 13650-11,600' (contingent)-BHC Sonic-GR 13650'-TD

DSTs:

Bone Spring 7900-10700' (50-100'); Morrow 12950-13100' (25-100')
Wolfcamp 10720-11500' (25-100') ; Morrow 13150-13400' (25-100')
~~XXXXXX~~ Strawn 12000-12200' (25-100') ; Silurian 14310'-TD (50-150')

Deviation: Maximum rate of change 1°/100'

Casing & Mud Program:

Depth	Size Hole	Casing	Cement	W.O.C.	Mud		
					Wt.	Vis.	W.L.
0-1370'	26"	20"	*1300	24	As needed to spud		
1370-3100'	17½"	13-3/8"	**1500	24	Brine water		
3100-5300'	12¼"	9-5/8"	*** 750	18	Fresh water		
5300-9500'	8½"	-	-	-	Water		
9500-12600'	8½"	-	-	-	8.8-9.1	35	10
12600-13600'	8½"	5½"	****	24	10.5	40	10
Rig to be released after nipping up 3½" casing.							
13600'-TD	4-3/4"	3½"	-	24	Fresh water		

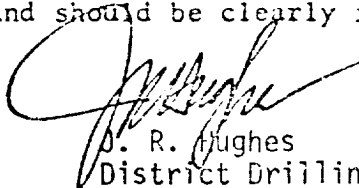
* 1100 sxs lite wt followed w/200 sxs Class "C" neat. Calc to circulate.

** Cement w/1300 sxs lite wt followed w/200 sxs Class "C" neat. Calc to circulate.

*** 600 sxs lite wt followed w/150 sxs Class "C" neat. Circ to 3000'.

**** Cement to 10,500' w/Class "C" 50/50 pozmix (calculate 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