Operations Plan - Canyon Largo Unit #286

I. Location: 1100'N, 1800'E, Section 11, T-24-N, R-6-W, Rio Arriba County, N

Field: Basin Dakota Elevation: 6435'GL

II. Geology:

A. Formation Tops:	Surface Ojo Alamo Kirtland Fruitland Pic.Cliffs Lewis	San Jose 1590' 1710' 1901' 2125' 2265'	Menefee Point Lookout Gallup Greenhorn Graneros Dakota	3726' 4320' 5405' 6320' 6375' 6510'
	Lewis	2265 '	Dakota	
	Mesa Verde	3648 '	Total Depth	6710 '

B. Logging Program: Induction Electric and Gamma Ray Density at TD.

C. Coring: none

D. Samples: none

III. Drilling:

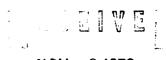
A. Mud Program: mud from surface to Total Depth.

IV. Materials:

A. Casing Program:	<u> Hole Size</u>	Depth	Csg.Size	Wt.&Grade
	13 3/4"	200'	9 5/8"	32.3# H-40
	8 3/4"	5020'	4 1/2"	10.5# J-55
	7 7/8"	6500'	4 1/2"	10.5# J-55
	7 7/8"	6710'	4 1/2"	11.6# J-55

4 1/2" production casing - Howco guide shoe (Prod. No. 102-1) and self-fill insert valve (Prod. No. 177-13). Two Howco multiple stage cementers (Prod. No. 200-03) equipped for three stage cementing. Set tool for second stage at 4920' and tool for third stage at 2465'. Run 20 Howco centralizers (Prod. No. 200-03) spaced as follows: one on each of the bottom 8 joints, one below each stage tool and five above each stage tool spaced every other joint.

- C. Tubing: 6710' of 2 3/8", 4.7#, J-55 tubing with a common pump seating nipple and an expendable check valve with drill type guide.
- D. Wellhead Equipment: 10" 3000 x 9 5/8" WKM Brewster Type R casing head with 10" x 4 1/2" Type SA casing hanger, 10" 3000 x 6" 3000 Brewster xmas tree (Dwg. #1-004-78). Wellhead representative to set all slips.



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