

April 1, 1977

Operations Plan
Fields #7A

I. Location: 1620'N, 1100'W, Section 34, T-32-N, R-11-W, San Juan County, NM

Field: Blanco Mesa Verde

Elevation: 6087'

II. Geology:

A. Formation Tops:	Surface	Nacimiento	Lewis	3125'
	Ojo Alamo	1055'	Mesa Verde	4605'
	Kirtland	1175'	Menefee	4865'
	Fruitland	2505'	Point Lookout	5215'
	Pic.Cliffs	2930'	Total Depth	5615'

B. Logging Program: GR-Ind. and GR-Density at Total Depth.

C. Coring Program: none

D. Natural Gauges: 4595', 4855', 5205' and at Total Depth.
Also gauge any noticeable increase in gas. Record all gauges in daily drilling report and on morning report.

III. Drilling:

A. Mud Program: mud from surface to 3325'. Gas from intermediate casing to Total Depth.

IV. Materials:

A. Casing Program:	<u>Hole Size</u>	<u>Depth</u>	<u>Casing Size</u>	<u>Wt.&Grade</u>
	13 3/4"	200'	9 5/8"	32.3# H-40
	8 3/4"	3325'	7"	20.0# K-55
	6 1/4"	3175-5615'	4 1/2"	10.5# K-55

B. Float Equipment: 9 5/8" surface casing - Larkin guide shoe (fig. 102)

7" intermediate casing - Dowell guide shoe (fig. 50101) and Dowell self-fill insert float valve (fig. 53003), 5 B&W stabilizers (Prod. No. 637085) every other joint above shoe. Run float two joints above shoe.

4 1/2" liner - T.I.W. liner hanger with neoprene packoff. Larkin geyser shoe (fig. 222) and Larkin flapper type float collar (fig. 404 M&F).

C. Tubing: 5615' of 2 3/8", 4.7#, J-55 8rd EUE tubing with a common pump seating nipple above perforated pup joint with bull plugged full joint for mud anchor on bottom.

D. Wellhead Equipment: 10" 900 x 9 5/8" casing head. 10" 900 x 6" 900 xmas tree.