

April 4, 1978

Operations Plan  
San Juan 28-6 Unit #15A

I. Location: 790'S, 790'E, Section 10, T-28-N, R-6-W, Rio Arriba County, NM

Field: Blanco Mesa Verde

Elevation: 6464'GL

II. Geology:

A. Formation Tops:	Surface	San Jose	Lewis	3500'
	Ojo Alamo	2525'	Mesa Verde	5095'
	Kirtland	2695'	Menefee	5175'
	Fruitland	3030'	Point Lookout	5535'
	Pic.Cliffs	3350'	Total Depth	5985'

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

C. Coring Program: none

D. Natural Gauges: 5085', 5165', 5525' 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 3700'. 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.&amp;Grade</u>
	13 3/4"	200'	9 5/8"	32.3# H-40
	8 3/4"	3700'	7"	20.0# K-55
	6 1/4"	3550-5985'	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 - 4 1/2" liner hanger with neoprene packoff. Larkin geyser shoe (fig. 222) and Larkin flapper type float collar (fig. 404 M&F).

C. Tubing: 5985' 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.