

January 17, 1978

Operations Plan
Hughes A #5A

I. Location: 1825'S, 790'E, Section 28, T-29-N, R-8-W, San Juan County, NM

Field: Blanco MV & Blanco PC

Elevation: 6390'GR

II. Geology:

A. Formation Tops:	Surface	San Jose	Lewis	3115'
	Ojo Alamo	1970'	Mesa Verde	4535'
	Kirtland	2110'	Menefee	4735'
	Fruitland	2640'	Point Lookout	5200'
	Pic.Cliffs	2975'	Total Depth	5650'

B. Logging Program: GR-Ind. and GR-Density at 3315'&Total Depth.

C. Coring Program: none

D. Natural Gauges: 4525', 4725', 5190' 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 3315'. 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"	3315'	7"	20.0# K-55
	6 1/4"	3165-5650'	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: 5650' 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.

3115' of 1 1/4", 2.32#, IJ tubing with a common pump seating nipple above a perforated pup joint with bull plugged full joint for mud anchor on bottom.

D. Wellhead Equipment: 10" 2000 x 9 5/8" casing head. 10" 2000 x 6" 2000 dual xmas tree.