

Operations Plan
El Paso Natural Gas
El Paso Federal 1-23

I. Location: 660' FSL, 660' FWL
Sec. 23, T-26-S, R-30-E
Eddy Co., New Mexico

Field: Ross Draw Elevation: 30.42' GR

II. Geology:

A. Formation Tops:
Delaware sd. 3500'
Cherry Canyon 4460'
Bone Spring 7350'
Wolf Camp 10625'
Wolf Camp Detrital 11950'

B. Logging Program:
Compensated Neutron Formation
Density, Dual Laterolog - Micro - SFL 12,500-3800
Computer Processed log

C. Coring:
None

III. Drilling:

A. Mud Program:
(1) Fresh water mud from surface to 350'.
(2) Brine water mud 350 - intermediate.
(3) Brine water mud 3600 to 11,800' 2nd intermediate.
(4) Non - dispered Ben - Ex drilling fluid 11,800-12,500.

IV. Materials:

A. Casing Program:	<u>Hole Size</u>	<u>Depth</u>	<u>Csg. Size</u>	<u>Wt. & Grade</u>
	17	350	13 3/8"	48# H-40
	12 1/4	3600	9 5/8"	36# K-55
	8 1/2	11800	7"	26# N80, K55
	6 1/4	11200-14700	4 1/2"	14.98# N-80

B. Float Equipment:
13 3/8" surface: guide shoe and insert float
9 5/8" casing : cement guide show and insert float
7" casing : cement guide shoe and float collar
centralizers on bottom 500 ft.
4 1/2" liner : cement guide shoe and float collar,
latch in wiper plug. PBR at top
of liner.

C. Tubing: 11,200 ft. 2 7/8" 6.5# 0-80 tubing seal assembly to be set
in BPR at ± 11,200 ft.