

DRILLING FLUID SYNOPSIS
PHILLIPS PETROLEUM COMPANY

Gach "31" State No. 2

Section 31
T-17-S
R-34-E
Lea County, New Mexico

CASING
13-3/8" at 400'
9-5/8" at 4,800'
7" at 12,900'
5" at 13,600'

DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS	DRILL SOLIDS	COMMENTS
0' - 400'	8.6 to 9.5	32 to 45	No control	5%	Spud mud, paper
400' - 4800'	10.0 to 10.1	28 to 29	No control	1%	Brine water, paper, caustic
4800' - 12,500'	8.4 to 9.2	28 to 29	No control	1%	Fresh water caustic, paper (Brine if needed)
12,500'-13,600'	9.0 to 10.2	36 to 42	10 cc	5%	Xanthan gum, white starch, pac, caustic