



PATTERSON PETROLEUM LP

A LIMITED PARTNERSHIP

P.O. Drawer 1416 • Snyder, Texas 79550

(915) 573-1938 • Fax (915) 573-1939

DRILLING FLUID SYNOPSIS

PATTERSON PETROLEUM LP

Gach "31" State No. 1

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	12,950'
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 9.5	36 to 42	10 cc	5%	Xanthan gum, white starch, pac, caustic