

Yates Petroleum Corporation
Getty PS 18 Federal #4
API 30-005-63289
Section 18 T6S R26E
Chaves County, NM

31. Perforation Record (Interval, size and number)

Penn	4952-4966'	78 holes	.42" holes
	5002-5012'	66 holes	.42" holes
Abo A	3739'	1 hole	.41" holes
	3743'	1 hole	.41" holes
	3750-3752'	3 holes	.41" holes
	3754-3755'	2 holes	.41" holes
	3767-3776'	10 holes	.41" holes
Abo B	3831-3839	9 holes	.41" holes
	3852	1 hole	.41" holes
	3862-3864'	3 holes	.41" holes
	3877-3881'	5 holes	.41" holes
	3891'	1 hole	.41" holes
	3901-3902'	2 holes	.41" holes
	3911-3912'	2 holes	.41" holes
	3930-3939'	10 holes	.41" holes
	3943'	1 hole	.41" holes

32. Acid, shot, fracture, cement squeeze, etc.

Depth Interval	Amount and kind of material used
4952-5012'	2400 gals 7.5% IC HCL
3739-3943'	500 gals 7.5% IC HCL
	2000 gals 7.5% IC HCL ahead of frac
	Frac with 146,000 gals 65Q N2 foamed 35# gelled 7% KCL water +
	313,000# 16/30 brady sand