

Yates Petroleum Corporation
Thunderhead TD State Com #3
API 30-005-63207
Section 32 T8S R26E
Chaves County, NM

26. Perforation Record (interval, size and number)

Ordovician	6964-6974'	40 holes	.42" holes
Wolfcamp	5560-5568'	18 holes	.41" holes
	5572-5582'	22 holes	.41" holes
Abo	4596-4597'	2 holes	.41" holes
	4607-4608'	2 holes	.41" holes
	4620-4627'	8 holes	.41" holes
	4700-4707'	8 holes	.41" holes
Yeso	2988-2998'	22 holes	.42" holes
	2834-2848'	56 holes	.42" holes
	2876-2884'	18 holes	.42" holes
	2892-2898'	14 holes	.42" holes
	2900-2906'	14 holes	.42" holes
	2914-2920'	14 holes	.42" holes
	2924-2930'	14 holes	.42" holes

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

Depth Interval Amount and kind material used

Ordovician	6964-6974'	Acidize with 250 gals 20% IC HCL Acidize with 500 gals 20% DI IC HCL Acidize with 1500 gals 20% IC HCL
Wolfcamp	5560-5582'	Acidize with 1800 gals 20% IC HCL + ball sealers
Abo	4596-4707'	Frac with 146,000 gals 65Q foam + 240,000# 16/30 Brady sand. Pressured out with 113,000# sand in formation.
Yeso	2988-2998'	Acidize with 1000 gals 20% IC HCL
	2834-2930'	Acidize with 3000 gals 20% IC HCL + ball sealers