

Yates Petroleum Corporation
South Alkali LK Federal #6
30-005-63329
Section 11, T6S, R25E
Chaves County, New Mexico

31. PERFORATION RECORD (*Interval, size and number*)

Penn:	4994-5004'	60 holes	.39" holes
	5057-5063'	36 holes	.39" holes
Abo:	3720-3724'	5 holes	.42" holes
	3728-3736'	9 holes	.42" holes
	3794-3798'	5 holes	.42" holes
	3814-3818'	5 holes	.42" holes
	3866-3874'	9 holes	.42" holes
	3902-3912'	11 holes	.42" holes
	3956-3966'	11 holes	.42" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED
Penn:	4994-5063'	Acidize with 500 gals 7.5% IC HCL Frac with 80,000 gals 65Q CO2 foamed 35# Linear gelled 7% KCL water carrying 5000# 100 mesh sand and 100,000# 20/40 Ottawa sand
Abo	3720-3966'	Pumped 2000 gals 7.5% IC HCL ahead of frac Frac with 146,000 gals 65Q N2 foamed 35# gelled 7% KCL water carrying 313,000# 16/30 Brady sand