

(July 1992)

Yates Petroleum Corporation
Morton "SZ" Federal #5
API 30-005-63242
Sec 10 R8S R25E
Chaves County, NM

31. PERFORATION RECORD (Interval, size and number)

Ordovician	5180-5202'	46 holes	.42" holes
Penn	5120-5128'	32 holes	.41" holes
	5141-5143'	18 holes	.41" holes
	5041-5044'	18 holes	.42" holes
Abo A	3684-3686'	6 holes	.42" holes
	3702-3704'	6 holes	.42" holes
	3706-3708'	6 holes	.42" holes
	3712'	2 holes	.42" holes
Abo C	3945'	2 holes	.42" holes
	3956-3957	4 holes	.42" holes
	3984-3993	20 holes	.42" holes
Penn	4940-4964'	50 holes	.42" holes

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

5180-5202'	Spot 200 gal 20% IC HCL Acidize with 3500 gals 20% IC HCL
5120-5143'	Spot 50 gals 7.5% IC HCL
5041-5044'	Spot 50 gals 7.5% IC HCL Acidize with 250 gals 7.5% IC HCL
3684-3993'	Frac with 55,256 gals WF 140-70 Quality CO2 foam + 83,500# sand Spot 500 gals 7.5% IC DI HCL Spearhead 2000 gals 7.5% IC HCL
4940-4964'	Frac with 75,000 gals WF 135 - 65Q N2 foams + 159,000# sand Acidize with 1500 gals 15% IC HCL and 51 balls