

Chaparral Production, Inc.
1010 First National Bank Building
Tulsa, Oklahoma 74103

#1 Wood Canyon Unit
1980' FNL and 1650' FEL
NE/4 Sec. 24-T24S-R25E
Eddy County, New Mexico

MUD SPECIFICATIONS				CASING		FORMATION
Depth ft	Mud Weight ppg	Viscosity sec/qt	API Filtrate ml	7-5/8"	9-5/8"	
0-1,600	8.6-9.8	32-40	No Control			1 Delaware Ransey
Spud with MILGEL® and MIL-LIME® in fresh water, maintaining viscosity as required with Flosal to set surface pipe.						3
2,700-8,300	8.4-8.5	38-30	No Control		2,700	
Drill with fresh water, adjusting the mud weight with brine water as needed. Use MIL-LIME™ for pH control, Flosal sweeps for hole cleaning, and Paper-Ox for seepage.						5 Bone Springs
8,300-9,400	9.8-10.1	28-30	No Control			7
Circulate the reserve using potash brine, adding soda ash and caustic soda for pH control.				8,100		3rd Bone Spring
				8,300		9 Wolfcamp
9,400-10,500	10.0-11.6	30-35	10-12 ml			11 Strawn Atoka Morrow Barnett Chester
Continue to circulate the reserve pit, adding caustic soda and soda ash to control pH. When excessive gas is encountered, return to steel pits, adding Milchem's PERM-A-TEC SYSTEM™ and increasing mud weight to the desired range.						13
10,500-12,200	10.0-11.6	30-35	10-12 ml			
Should a weighted mud be required in the above formations, continue to circulate the steel pits, maintaining or reducing the mud densities to the lowest possible range.				12,200		