

COMPANY:	Superior Oil
WELL NAME:	Delta Federal #1
LEGAL DESCRIPTION	7 - T 25S - R 26E
COUNTY:	Eddy
STATE:	New Mexico

EXHIBIT G

MUD RECOMMENDATIONS				CASING	FORMATION TOPS
Depth ft.	Mud Weight ppg	Viscosity Sec./Qt.	API Filtrate ml	20" 13 3/8" 10 3/4" 7 5/8" 5"	
0 - 500'	8.3 - 8.6	35 - 45	No Control		Deleware lime 2000'
Spud Mud: Use Fresh Gel and Lime as needed for a viscous slurry. Use Paper for seepage.					4000'
500' - 2000'	8.6 - 10.0	32 - 34	No Control		5000'
Native mud--circulate in controlled reserve system with fresh water additions at flowline to control native viscosity. Use Drilling Paper for seepage.					6000'
2000' - 9350'	8.4 - 9.2	32 - 36	No Control		Bone Spring 7000'
Displace hole with fresh water and circulate a separate controlled section of the reserve pits. The use of Ben-Ex and Drilling Detergent is suggested for low solids and to improve penetration rate. Use Paper for seepage and Lime for a 9.5 - 10.5 pH. Have weight to 9.2 with Brine before drilling Wolfcamp.					8000'
9350' - 12500'	9.4 - 9.5	34 - 42	5 - 10cc.		3rd. Bone Spring 9000'
Return to steel pits and add 3% - 5% KCL to the Brine for protection of the shales and for maximum hole stability. Use Paper for seepage, and Caustic for pH. Prior to drilling Morrow formation mud up by treating out hardness with Soda Ash and use Starlose and Drispac to lower water loss below 6cc. Use Sea Mud as needed for viscosity for 34 - 42 sec/1000cc.					10,000' Strawn Atoka 11,000' Morrow 12,000'