

APPLICATION TO DRILL

Plains Petroleum Operating Company

E. C. Hill "B" Federal #21

Lea County, New Mexico

Lease No. 064118

May 3, 1996

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SLURRY

	Surface	1st Stage	2nd Stage
Recommend	735 sx 'C' + 2% Cacl ₂ + 1/4#/sk Celloseal	Lead: 100 sx 36:65 Poz 'C' + 6% Gel + 9PPS Salt +.2%+.2% Defoamer + .8% F.L. Additive Tail: 250 sx 50:50 Poz 'C' + 2% Gel + 4 PPS Salt + .2% Defoamer + .6% F. L. Additive	Lead: 1175 sx 'C' + .25% Dispersent + 2.5% Extender + .5% Gel + .2% Salt + 1/4 PPS Cellophane Tail: 120 sx 'C' Neat 2.85 Ft ³
Yield	1.32 Ft ³	2.14, 1.32 Ft ³ Ft/sk	2.85 Ft ³
Weight	14.8 PPG	12.7, 14.2 PPG	11.6 PPG
Mix Water	6.32 gal/sk	11.6, 6.2 gal/sk	17.2 gal/sk

4. MUD DETAIL

DEPTH	PROPERTIES	TREATMENT
0' - 1175'	Weight: 8.7 - 9.4 Viscosity: 33 35 Solids: <4.	Spud Mud: Fresh water gel with sufficient viscosity to clean hole.
1175' - 5850'	Weight: 10.0 - 10.2 Viscosity: 26 - 28 Solids: < 1.0	Drill out from surface csg with brine water