

APPLICATION TO DRILL

Plains Petroleum Operating Company

E. C. Hill 'B' Federal #12

Lea County, New Mexico

Lease No. 064118

September 19, 1994

Page 3

SLURRY

	Surface	Intermediate	Production 1st Stage	Production 2nd Stage
Recommendation	375 sx 'C' + 2% Cacl ₂ + 1/4#/sk Celloseal	Lead: 450 sx 'C' + .25% Dispersent + 2.5% Extender + .5% Gel + .2% Salt + 1/4 PPS Cellophane Tail: 100 sx Cl 'C' Neat	Lead: 100 sx 36:65 Poz 'C' + 6% Gel + 9 PPS Salt + .2% Defoamer + .8% F.L. Additive Tail: 575 sx 50:50 Pox 'C' + 2% Gel + 4 PPS Salt + .2% Defoamer + .6% F. L.	Lead: 150 sx 'C' + .25% Dispersent + 2.5% Extender + .5% Gel + .2% Salt + 1/4 PPS Cellophane Tail: 100 sx Cl 'C' Neat
Yield	1.32 Ft ³ /sk	2.85 Ft ³ /sk, 1.32 Ft ³ /sk,	2.14 Ft ³ /sx, 1.32 Ft ³ /sx	2.85 Ft ³ /sx, 1.32 Ft ³ /sx
Weight	14.8 PPG	11.6 PPG 14.8 PPG	12.7 PPG 14.2 PPG	11.6 PPG 14.8 PPG
Mix Water	6.32 gal/sk	17.2 gal/sk 6.32 gal/sk	11.6 gal/sk 6.2 gal/sk	17.2 gal/sk 6.32 gal/sk