

APPLICATION TO DRILL

PLAINS PETROLEUM OPERATING COMPANY

E. C. HILL FEDERAL 'B' #12

985' FSL & 550' FEL, Sec 34P, T23S, R37E

Lea County, New Mexico

Lease No. 064118

September 19, 1994

In addition with Form 3160-2, Application to Drill the above well, Plains Petroleum Operating Company submits the following in accordance with BLM requirements.

1. ESTIMATED GEOLOGICAL MARKERS

GL: 3254'

<u>FORMATION</u>	<u>TOP</u>	<u>SS</u>
Penrose	3421'	-167'
Glorietta	4921'	-1667'
Paddock	5036'	-1782'
Blinebry	5271'	-2017'
Tubb	5936'	-2682'
Drinkard	6341'	-3087'
Abo	6423'	-3169'
Devonian	7186'	-3932'
Silurian	7881'	-4627'
Fusselman	8283'	-5029'
Montoya	8648'	-5394'
Simpson	8961'	-5707'
McKee	9326'	-6072'
TD	9700'	-6446'