

APPLICATION TO DRILL

PLAINS PETROLEUM OPERATING COMPANY

E. C. HILL FEDERAL 'B' #13

947' FSL & 1361' FEL (SHL)

1120' FSL & 1380' FEL (BHL)

Sec 34(O), T23S, R37E

Lea County, New Mexico

Lease No. 064118

March 28, 1995

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: 3255'

KB: 3267'

<u>FORMATION</u>	<u>TOP</u>	<u>SS</u>
Penrose	3404'	-137'
Glorietta	4917"	-1650'
Paddock	5029'	-1762'
Blinchbry	5272'	-2005'
Tubb	5942'	-2675'
Drinkard	6372'	-3105'
Abo	6462'	-3195'
Devonian	7342'	-4075'
Silurian	7994'	-4727'
Fusselman	8408'	-5141'
Montoya	8768'	-5501'
Simpson	9062'	-5795'
McKee	9417'	-6150'
TD	9850'	-6583'

RECEIVED

JUN 1995
JAMES HUBBS
OFFICE