PHILLIPS PETROLEUM COMPANY DRILLING PROGRAM

Attached to BLM Form 3160-3

Lease Name: <u>Emerald Fed.</u> Well No.: <u>#2</u> Location: <u>660' FSL & 1980' FWL, Section 10, T22S, R32E, Lea Co., NM</u>

1. Geological name of surface location:

See archaeological survey

2. Estimated tops of important geological markers:

Name	Depth
Salado Base of Salt Bell Canyon Cherry Canyon Manzanito Brushy Canyon Bone Springs	900' 4490' 4500' 5750' 5820' 6965' 8770'

3. Estimated depths of anticipated fresh water, oil & gas:

Formation	Depth	<u>Fresh Water/Oil/Gas</u>
Brushy Canyon	7000'-7600'	<u>Oil & Gas</u>
Brushy Canyon	7800'-7950'	Oil & Gas
Brushy Canyon	8500'-8700'	Oil & Gas

No other formations are expected to give up oil, gas, or fresh water in measurable quantities. The surface fresh water sands will be protected by setting <u>13-3/8</u>" casing at <u>850</u>' and circulating cement back to surface. Potash will be protected by setting <u>NA</u>" casing at <u>NA</u>' and circulating cement back to surface. Any shallower zones above TD which contain commercial quantities of oil and/or gas will have cement circulated across them by inserting a cementing stage tool into the <u>5-1/2</u>" production casing which will be run at TD.

4. Casing Program:

<u>Hole Size</u>	Interval	<u>OD Csg.</u>	<u>Weight, Grade, Type</u>
<u>17-1/2"</u>	850	<u>13-3/8"</u>	<u>48 lb/ft, H-40, ST&C</u>
<u>12-1/4"</u>	4550	<u>8-5/8"</u>	24&32 lb/ft, J-55, ST&C
<u>7-7/8"</u>	8800	<u>5-1/2"</u>	15.5&17 lb/ft,J-55,ST&C