30-025-12112

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BOP Program: See exhibit E $13\frac{3}{8}$ csg. @ 157' in $17\frac{1}{2}$ bore $18\frac{5}{8}$ csg currently exist in wellbore. 575	g. as des	eribe		
APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED				m O
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, sone. If proposal is to drill or deepen directionally, give pertinent data on subsurfa preventer program, if any.	give data on prese ice locations and r	ent productive measured and	e sone and proposed true vertical depth	d new productive 8. Give blowout
BRINED Tay Monspice TITLE	Trease	ines	DATE	0-90

1.75 - 5.8<sup>4</sup>

AREA MANAGER CARLSBAD RESOURCE AREA TITLE

DATE 12 3 90

APPROVED BY \_\_ CONDITIONS OF APPROVAL, IF ANY :

-

# EXHIBIT E

## PRESSURE CONTROL

### EQUIPMENT

B.O.P. ARRANGEMENT 3000 LB. W.P. B.O.P. 10" CAMERON TYPESS HYDRAULIC B.O.P. 3000 P.S.I. 10" G.K. HYDRILL 3000 W.P. 80 GALLON- STATION KOOMEY ACCUMULATOR 3000 LB. W.P. CHOKE MANIFOLD



RECEIVED

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#### APPLICATION TO DRILL

#### HOPPER-BARNETT, INC.

### Lockhart Federal #1-2 660' FNL & 660' FEL of Sec. 5, 22S, 38E. Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill, Hopper-Barnett, Inc. submits the following ten items of pertinent information to re-enter the subject well in accordance with Bureau of Land Management requirements.

1. The geologic surface formation is cretaceous.

2. The estimated tops of geologic markers are:

1.	T/San Andres	4306
2.	T/Glorietta	5548
3.	Clearfork	5980
4.	Tubb	6589
5.	Abo	7125

- 3. The estimated depths at which water, oil or gas-bearing formation are expected: Water: 150 feet Oil & Gas: Drinkard 6589', Abo 7120'
- 4. Proposed casing program: See Form 3160-3
- 5. Pressure control equipment: See Exhibit E
- 6. Mud Program: See Exhibit F
- 7. Anticipated bottom-hole pressure: 3200 psig at a total depth of 7200 feet. No abnormal pressures are expected. Hydrogen sulphide gas may be encountered in the San Andres, although none is expected. Appropriate saftey precautions will be taken.
- 8. Testing, logging and coring programs: Drill Stem tests: No DST's will be taken

Logging: None Wireline Logging program: Compensated neutron, formation density, Dual Laterolog

9. Anticipated starting date: As soon as possible.

Subsuit to Appropriate District Office State Lease - 4 copies For Lease - 3 copies

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM \$8210

DISTRICT III 1000 Rio Brazos Rd., Astoc, NM 87410

#### State of New Mexico Energy, Minerals and Natural Resources Department



P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

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