

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

API NO. (assigned by OCD on New Wells)  
30-025-28198

5. Indicate Type of Lease  
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☐ RE-ENTER ☐ DEEPEN ☐ PLUG BACK ☒

b. Type of Well:

OIL WELL ☒ GAS WELL ☐ OTHER ☐

SINGLE ZONE ☒

MULTIPLE ZONE ☐

7. Lease Name or Unit Agreement Name

Barnhill

2. Name of Operator

American Exploration Company

8. Well No.

1

3. Address of Operator

2100 NCNB Center, Houston, Texas 77002

9. Pool name or Wildcat *King Wolfcamp*  
~~South King (Devonian)~~

4. Well Location

Unit Letter L : 1650 Feet From The South Line and 990 Feet From The West Line

Section 1 Township 14S Range 37E NMPM Lea County

10. Proposed Depth

11. Formation

*Wolfcamp*

12. Rotary or C.T.

13. Elevations (Show whether DF, RT, GR, etc.)

*3831 GR*

14. Kind & Status Plug. Bond

15. Drilling Contractor

16. Approx. Date Work will start

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2	13-3/8		405	500	
12-1/4	8-5/8		4668	2200	
7-7/8	5-1/2		12744	2975	

American Exploration Company proposes to recomplate the subject well to the S. King (Wolfcamp) Field in the following manner:

- POH w/tubular goods.
- GIH w/CIBP & set @  $\pm$  12590. Perforate Wolfcamp @ 9406-9408, 9414-9418, 9425-9427, 9432-9436, 9440-9444 & 9448-9452 thru tubing w/1 SPF.
- GIH w/pkr. to  $\pm$ 9350 and stimulate Wolfcamp w/1400 gals. acid. Flow & swab back load wtr.
- POH w/treating equipment and GIH w/production string & lifting equipment. Test.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Marty B. McClanahan TITLE Sr. Production Analyst DATE 2/02/90

TYPE OR PRINT NAME

TELEPHONE NO.

(This space for State ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT I SUPERVISOR

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

FEB 06 1990

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

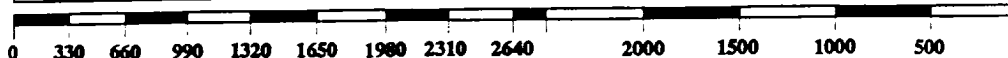
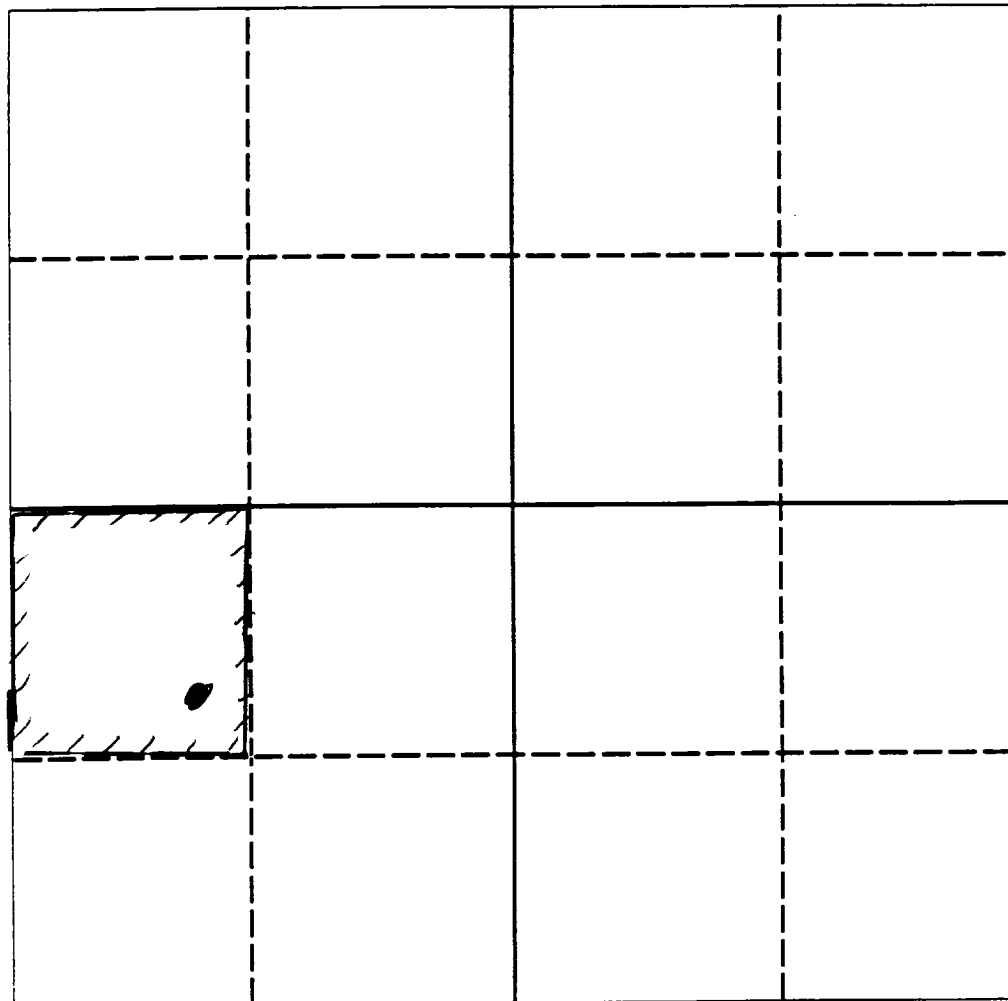
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator American Exploration Company			Lease Barnhill		Well No. 1
Unit Letter L	Section 1	Township 14S	Range 37E	County NMPM	Lea
Actual Footage Location of Well: 1650 feet from the South line and 990 feet from the West line					
Ground level Elev. 3831	Producing Formation South King (Wolfcamp)		Pool South King (Wolfcamp)		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☒ No If answer is "yes" type of consolidation \_\_\_\_\_  
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_  
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature  
Marty B. McClanahan  
Printed Name  
Sr. Production Analyst  
Position  
American Exploration Co.  
Company  
2/02/90  
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
Signature & Seal of  
Professional Surveyor  
Certificate No.