

505 Marquette NW  
Suite 815  
Albuquerque, New Mexico 87125

13 AUG 82

Bettis, Boyle & Stovall  
P. O. Box 1193  
Hobbs, New Mexico 88240

Dear Sir:

Your application for Permit to Drill well No. 1 Caledon Federal in the SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 35, T. 20S., R. 38E., Lea County, New Mexico, lease 109-17237, to a depth of 3,600 feet to test the Seven Rivers formation in the oil-potash area, is hereby approved as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the District Supervisor, Minerals Management Service, Roswell, New Mexico, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

(ORIG. SGD.) JAMES W. SHELTON

FOR Gene F. Daniel  
Deputy Minerals Manager  
Oil and Gas

Enclosure

cc:

✓ MHOCD (2)  
BLM - Carlsbad  
MM, SCR  
DMM - Mining (2)  
Regional Files  
Roswell District Files  
Hobbs Sub-district  
Suspense File  
ARF  
RCF

JAGillham/ml1/8-5-82

**N. M. OIL CON. COMMISSION**  
**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE  
 (Other instructions  
 on reverse side)

Form approved.  
 Budget Bureau No. 42-R1425.

**N. M. OIL CON. COMMISSION**

30-025-29411

BOX 1990

5. LEASE DESIGNATION AND SERIAL NO.

HOBBS, NEW MEXICO 88240 - 1737

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Caledon - Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Section 35, T20S, R33E

12. COUNTY OR PARISH

Lea

13. STATE  
New Mexico

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START\*

August 10, 1982

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

BETTIS, BOYLE & STOVALL

3. ADDRESS OF OPERATOR

P. O. Box 1193, Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface

1650' FNL, 1980' FWL; Section 35, T20S, R33E

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

31.5 miles southwest of Hobbs, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

1650'

16. NO. OF ACRES IN LEASE

640

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

3600'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3669' GR

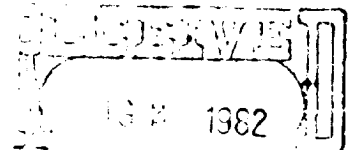
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	7"	20#	1500	*See Reverse and Exhibit D
6 1/4"	4 1/2"	9.5#	3600	

Drilling, testing, casing and cement program: See exhibit D

Mud program: See exhibit E

BOP program: Shaffer 10" - Series 900; See exhibit G



OIL & GAS  
 GEOLOGICAL SURVEY  
 WELLS, NEW MEXICO

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*[Handwritten signature]*

TITLE Superintendent

DATE 7/29/82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

## CEMENT PROGRAM (ALSO, SEE EXHIBIT D)

7" Casing: 500 sx. lite cement containing 1/4#/sk. celloflake and tail in with 200 sx. Class C cement containing

2% CaCl and 1/4#/sk celloflake. Circulate cement.

4 1/2" Casing: 250 sx. lite cement containing 8#/sk. CaCl tail in with 200 sx. Class C cement containing 1/4#/sk. celloflake. Circulate cement.