

30-005-21072

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

Bell, Foy & Middlebrook, Ltd.

3. ADDRESS OF OPERATOR

310 West Texas, Suite 210, Midland, Texas 79701

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

At surface

660' FWL & 660' FNL, Center of, NW/4 NW/4, Unit Letter D

At proposed prod. zone

same as above.

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

10 air miles Southwest of Caprock, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

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

1320'

16. NO. OF ACRES IN LEASE

2192.38

19. PROPOSED DEPTH

10,200

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3993' GL

22. APPROX. DATE WORK WILL START\*

February 1, 1988

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	450'	Circulate
12-1/4"	8-5/8"	24# & 32#	3000'	Circulate
7-7/8"	5-1/2"	15.5# & 17#	10,200'	2000 sacks

It is proposed to drill a straight hole to test the Devonian Formation for oil and/or gas production. Attached are location and acreage dedication plats, supplemental drilling data, and a surface use and operation plan.

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

R. C. Bell

TITLE General Partner

DATE 1-11-88

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

S/Levi Deike, Acting

TITLE

Area Manager

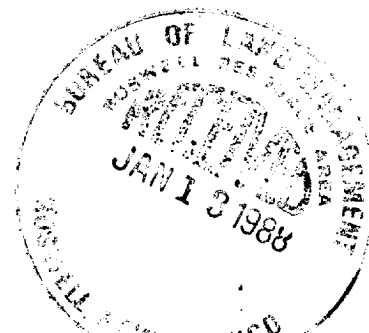
DATE

FEB 17 1988

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE TITLE TO THOSE RIGHTS IN THE SUBJECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON.

PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUCTION OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT IN ADVANCE.



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All distances must be from the outer boundaries of the Section.

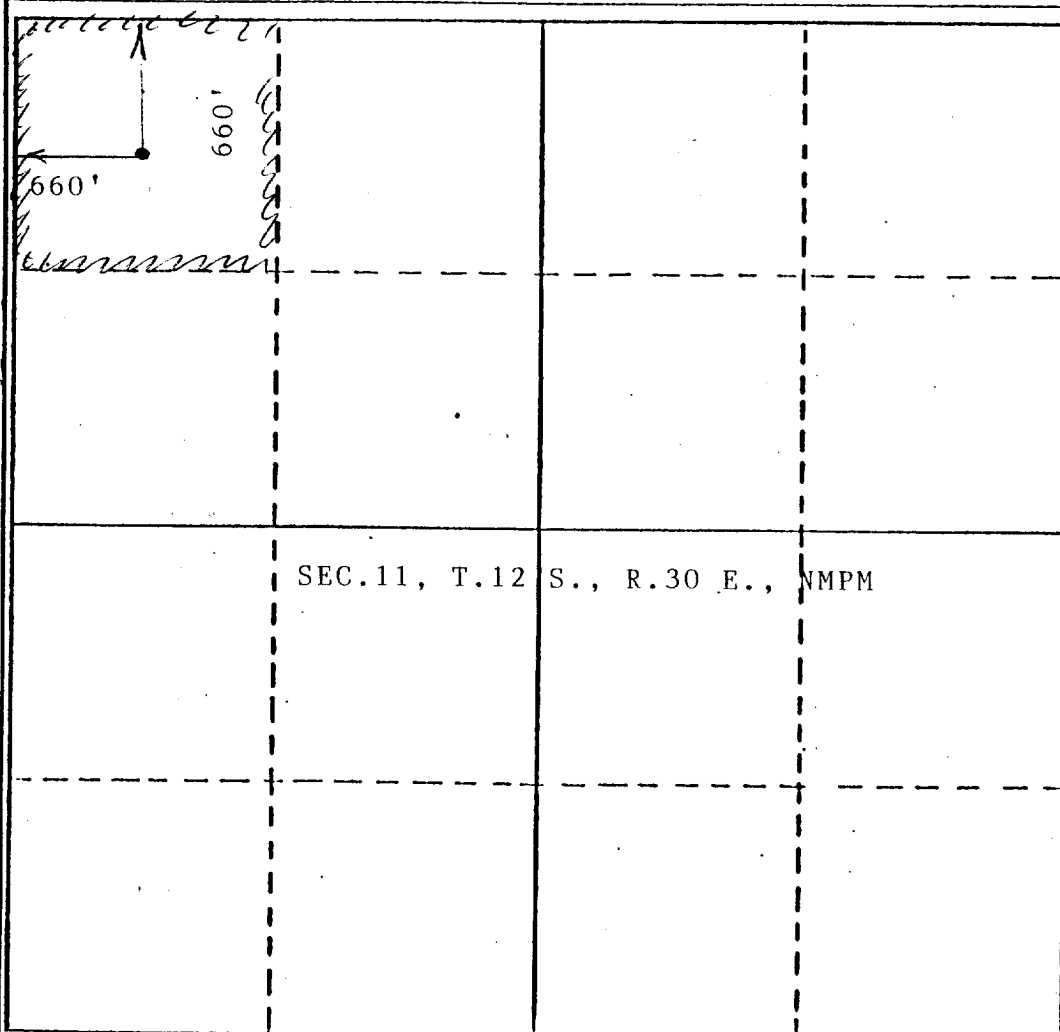
Operator <b>BELL FOY &amp; MIDDLEBROOK</b>		Lease <b>CULP RANCH UNIT</b>		Well No. <b>#2</b>
Unit Letter <b>D</b>	Section <b>11</b>	Township <b>12 SOUTH</b>	Range <b>30 EAST</b>	County <b>CHAVES</b>
Actual Footage Location of Well: <b>660</b> feet from the <b>NORTH</b> line and <b>660</b> feet from the <b>WEST</b> line				
Ground Level Elev. <b>3993</b>	Producing Formation	Pool	Dedicated Acreage: Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests 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 interests, has been approved by the Division.



#### CERTIFICATION

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

Name \_\_\_\_\_

Position \_\_\_\_\_

Company \_\_\_\_\_

Date \_\_\_\_\_

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 **NEW MEXICO**  
**DECEMBER 31, 1987**

Registered Professional Engineer  
and/or Land Surveyor  
**JOHN D. JAQUES**  
Professional Engineer & L.S.

Certificate No. **6290**

[illegible]

SUPPLEMENTAL DRILLING DATA  
Bell, Foy & Middlebrook, Ltd.  
Culp Ranch Unit #2  
660' FWL & 660' FNL  
Sec. 11, T-12-S, R-30-E N.M.P.M.  
Chaves County, New Mexico



The following information is in accordance with the Onshore Oil and Gas Order No.1

1. Surface Formation: Quaternary Alluvium
2. Estimated Depths to Subsurface Formation Tops:

Yates	1560'	Wolfcamp	7550'
Queen	2280'	Pennsylvanian	8100'
San Andres	2840'	Morrow Clastics	9200'
Glorietta	4100'	Mississippian	9600'
Tubb	5650'	Woodford	10170'
Abo	6400'	Devonian	10200'

3. Estimated Depths to Oil, Gas and Water:

Water 300'  
Oil and Gas 10200'

4. Proposed Casing and Cement Program:

Surface Casing: Set approximately 450' of 13-3/8' 48#, H-40, ST&C. Cement sufficient to circulate cement to surface.

Intermediate Casing: Set approximately 3000' of 8-5/8"; 2300' of 24# and 700' of 32#, J-55, ST&C. Cement sufficient to bring top of cement to base of the surface casing.

Production Casing: Set to total depth 5750' of 17#, J-55 and 4450' of N-80, LT&C. Cement sufficient to isolate all oil, gas and water zones.

5. Pressure Control Equipment: A drawing of an A.P.I. Blowout Preventer specification is attached.

6. Testing, Coring and Logging Programs:

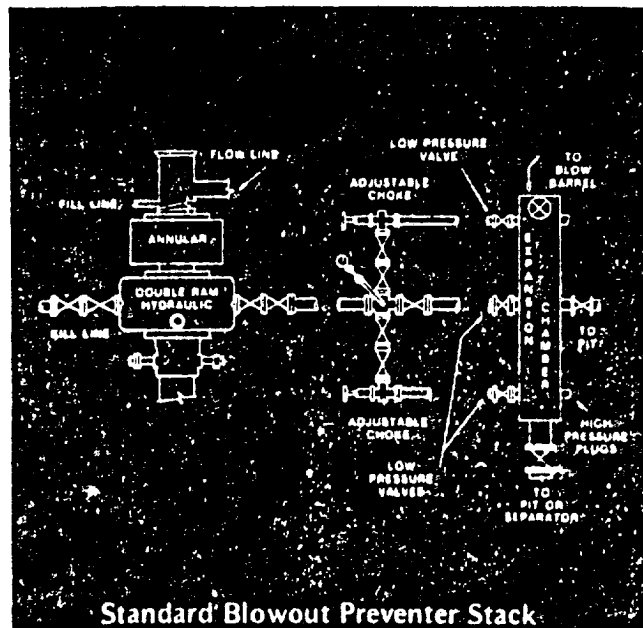
- A. All possible oil and gas bearing zones will be tested by conventional drillstem tests.
- B. A compensated neutron and a dual laterlog with gammaray will be recorded from intermediate casing point to total depth.
- C. A mud logging unit will record data from intermediate casing point to total depth.

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5,000 psi Working Pressure



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