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SANTA FE, NEW MEXICO 87501  
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FORM BO. 2088  
SANTA FE, NEW MEXICO 87501

5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.

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

2. Name of Operator  
Sun Exploration & Production Co.

3. Address of Operator  
P. O. Box 1861, Midland, Texas 79702

4. Location of Well  
UNIT LETTER P LOCATED 660 FEET FROM THE South LINE  
AND 660 FEET FROM THE East LINE OF SEC. 32 TWP. 9-S RGE. 27-E NMPM

7. Unit Agreement Name

8. Farm or Lease Name  
Diablo State

9. Well No.  
1

10. Field and Pool, or Wildcat  
Wildcat-Fusselman-Montoya

12. County  
Chaves

19. Proposed Depth  
6500'

19A. Formation  
Fusselman/Montoya

20. Rotary or C.T.  
Rotary

21. Elevations (Show whether DF, KI, etc.)  
3920.1' GR

21A. Kind & Status Plug. Bond  
Blanket on file

21B. Drilling Contractor  
NA

22. Approx. Date Work will start  
ASAP

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24#	1200'	600	Surface
7-7/8"	5-1/2"	14# & 15.5#	6500'	1050	1000'

Formations	Tops	Depth/Subsea
San Andres	1150	+ 2765
Glorieta	2300	+ 1615
Abo	4520	- 605
Wolfcamp	5200	- 1285
Penn	5700	- 1785
Montoya	5900	- 1985
Granite	6300	- 2385

Blowout preventer: 10" Hydraulic

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 6/17/87  
UNLESS DRILLING UNDERWAY.

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.

Signed Maria L. Perez Title A/C 915-688-0375 Associate Accountant Date 12-12-86

(This space for State Use)

APPROVED BY Danell Moore TITLE Geologist DATE 12/17/86

CONDITIONS OF APPROVAL, IF ANY: