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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		7. Unit Agreement Name	
b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐		8. Farm or Lease Name	
DRILL ☒ DEEPEN ☐ PLUG BACK ☐		CAVE STATE	
2. Name of Operator Diamondback Petroleum Inc. ✓		9. Well No. 3	
3. Address of Operator P.O. Box 2938 Ruidoso, NM		10. Field and Pool, or Wildcat Cave - G-SH	
4. Location of Well UNIT LETTER C LOCATED 330 FEET FROM THE North LINE AND 1650 FEET FROM THE West LINE OF SEC. 4 TWP 17 S RGE. 29 E NMPM		11. County Eddy	
19. Proposed Depth 2500		19A. Formation SanAndres	19B. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3588 Gr.	21A. Kind & Status Plug. bond Blanket	21B. Drilling Contractor Rhymes	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 1/2"	8 5/8"	24#	350'±	480	Circulated
7 7/8"	5 1/2"	15.5#	2500	1000	Circulated

Mud Program:

Fresh water and spud mud surface to 350 ft.
Brine water w/gel 350 to TD

BOP will be installed on 8 5/8" csng

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.

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

Signed [Signature] Title Geologist Date 1/2/84

(This space for State Use)

APPROVED BY [Signature] TITLE OIL AND GAS INSPECTOR DATE JAN 03 1984

CONDITIONS OF APPROVAL, IF ANY:

180 DAYS
1384
1-6-84

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

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

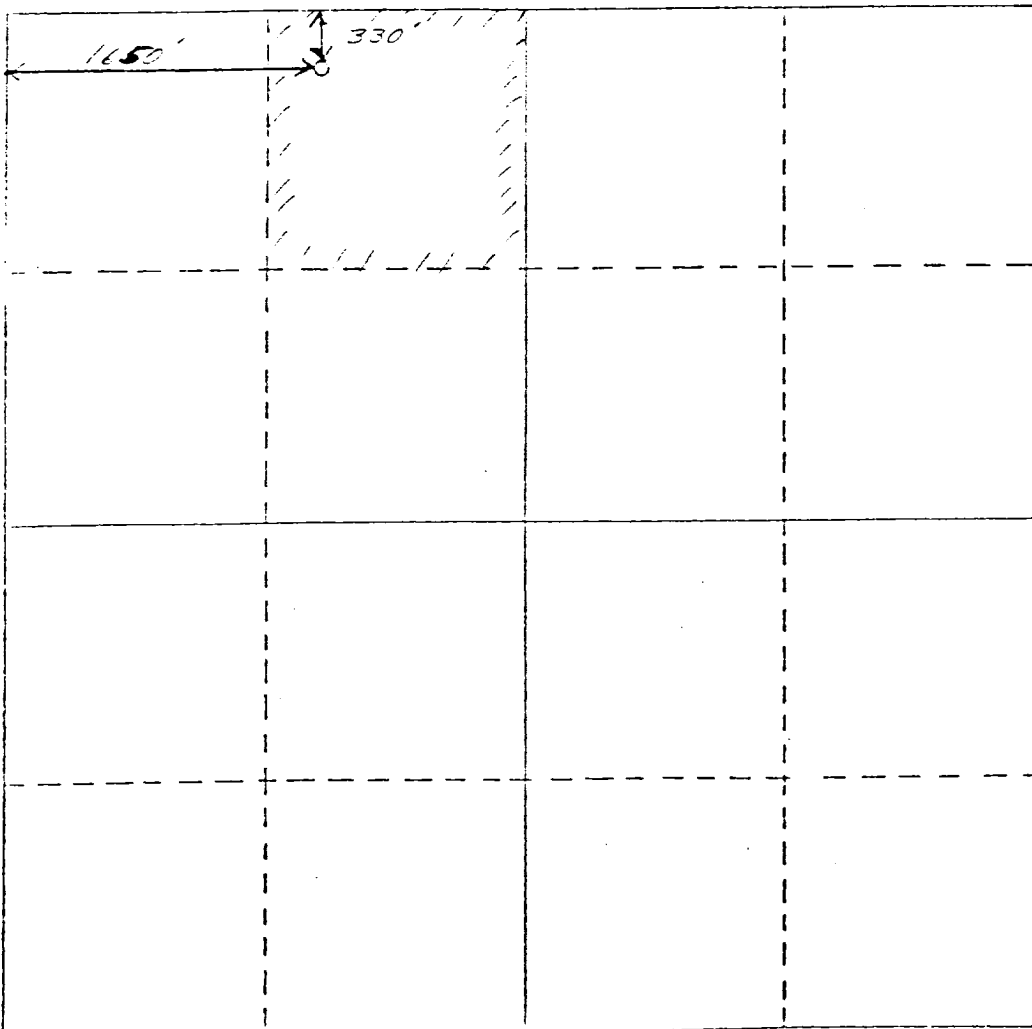
Operator Diamondback Petroleum, Inc.		Lease Cave State		Well No. 3
Unit Letter C	Section 4	Township 17 South	Range 29 East	County Eddy
Actual Footage Location of Well: 330 feet from the North line and 1650 feet from the West line				
Ground Level Elev. 3588 MSL	Producing Formation SANTA ANTONIO	Pool CAVE - G - SH	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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

RANDALL L. HARRIS

Position

GEOLOGIST

Company

DIAMONDBACK

Date

12/80

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.

December 3, 1983

Date Surveyed

P.R. Patton

Registered Professional Geologist
and/or Land Surveyor

8112

Certificate No.

