

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

1. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC 067968
2. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IS INDIAN, ALLOTTEE OR TRIBE NAME
3. NAME OF OPERATOR Cayman Corporation		7. UNIT AGREEMENT NAME
4. ADDRESS OF OPERATOR 512 Midland Savings Bldg., Midland, Texas 79701		8. FARM OR LEASE NAME ARCO Federal
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements). At surface 710' FSL & 660' FBL At proposed prod. zone		9. WELL NO.
10. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE Six miles northeast of Jal, New Mexico		10. FIELD AND POOL, OR WILDCAT UNDESIGNATED
11. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drill unit line, if any) 660'		11. SEC. T, R, M, OR BLK. AND SURVEY OR AREA Sec. 30, T-24-S, R-38-E
12. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Well that is 3735' TD.		12. COUNTY OR PARISH Lea
13. ELEVATIONS (Show whether DF, RT, GR, etc.) 3146' GR		13. STATE New Mexico
14. NO. OF ACRES IN LEASE 280		14. NO. OF ACRES ASSIGNED TO THIS WELL 50 40
15. PROPOSED DEPTH 10,500		15. ROTARY OR CABLE TOOLS Rotary
16. APPROX. DATE WORK WILL START Immediately		

## 23. 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	350	350
12-1/4"	9-5/8"	36	3800	550
8-3/4"	5-1/2"	17	10000	450

We propose to drill a 17-1/2" hole to 350 feet, set and cement 350' of 13-3/8" surface casing, drill a 12-1/4" hole to approximately 3800', set and cement 9-5/8" intermediate casing at 3800', allow 18 hours for the cement to set, and check for water shut-off. We will then proceed to drill an 8-3/4" hole to the Ellenburger formation or to approximately 10,500', evaluate all possible productive horizons with electric logs, and if commercial production is indicated, set and cement 5-1/2" casing, perforate and 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. 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 [Signature] TITLE Engineer DATE 10-17-69

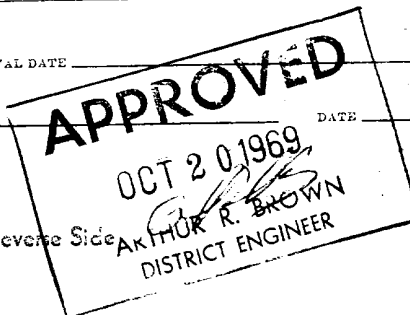
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side



**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

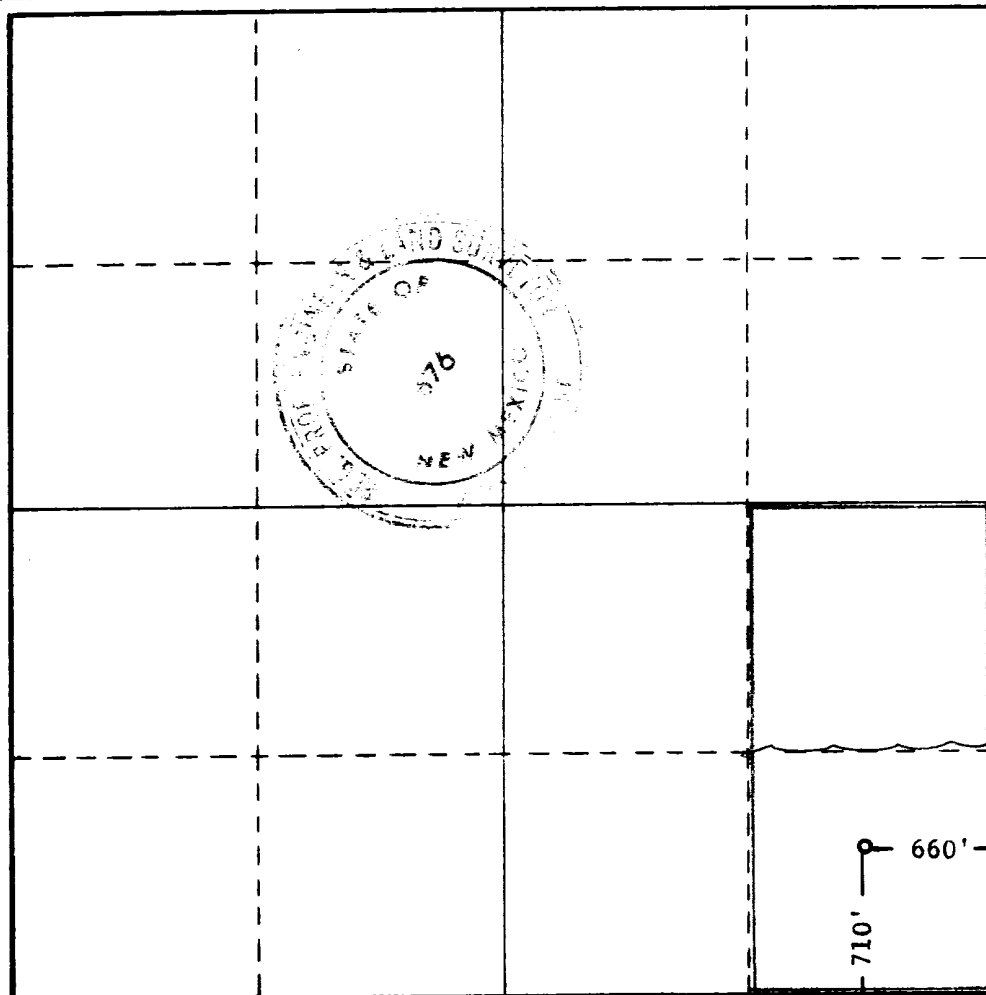
Operator <b>CAYMAN CORPORATION</b>			Lease <b>ARCO - FEDERAL</b>		Well No. <b>1</b>
Unit Letter <b>P</b>	Section <b>30</b>	Township <b>24 SOUTH</b>	Range <b>38 EAST</b>	County <b>LEA</b>	
Actual Footage Location of Well: <b>710</b> feet from the <b>SOUTH</b> line and <b>660</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>3146.0</b>	Producing Formation <b>ELLENBURGER</b>		Pool <b>W/UNDESIGNATED</b>	Dedicated Acreage: <b>E 1/2 SE 1/4 40.00</b> 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 Commission.



**CERTIFICATION**

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

Name *J. Woodrich*  
 Position **ENGINEER**  
 Company **CAYMAN CORP.**  
 Date **10-14-1969**

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 **10-11-1969**  
 Registered Professional Engineer and/or Land Surveyor

*John W. West*  
 Certificate No. **676**

