

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-043-20103

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>Jicarilla Tribal 358</b>
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Jicarilla Apache</b>
2. NAME OF OPERATOR <b>ANOCO PRODUCTION COMPANY</b>		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR <b>501 Airport Drive, Farmington, New Mexico 87401</b>		8. FARM OR LEASE NAME <b>Jicarilla Tribal 358</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>790' PNL &amp; 1190' PNL, Section 7, T-22N, R-2W</b> At proposed prod. zone <b>Same</b>		9. WELL NO. <b>5</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>15 miles northwest of Cuba, New Mexico</b>		10. FIELD AND POOL, OR WILDCAT <b>Ballard Pictured Cliffs</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>790'</b>	16. NO. OF ACRES IN LEASE <b>2546'</b>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/4 NE/4 Section 7, T-22-N, R-2-W</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>2417'</b>	19. PROPOSED DEPTH <b>2900'</b>	12. COUNTY OR PARISH <b>Sandoval</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>To be determined and reported later</b>		13. STATE <b>New Mexico</b>
20. ROTARY OR CABLE TOOLS <b>Rotary</b>		17. NO. OF ACRES ASSIGNED TO THIS WELL <b>160</b>
22. APPROX. DATE WORK WILL START* <b>May 1973</b>		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	23#	200'	200 sq (to surface)
6-3/4"	4-1/2"	9.5#	2900'	500 sq

Well will be drilled to test the Pictured Cliffs formation. Completion interval and stimulation will be determined after a review of open hole logs. A copy of the Location Plat is attached.



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. Original Signed by J. ARNOLD SWELL TITLE Area Engineer DATE April 27, 1973

SIGNED \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

(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.

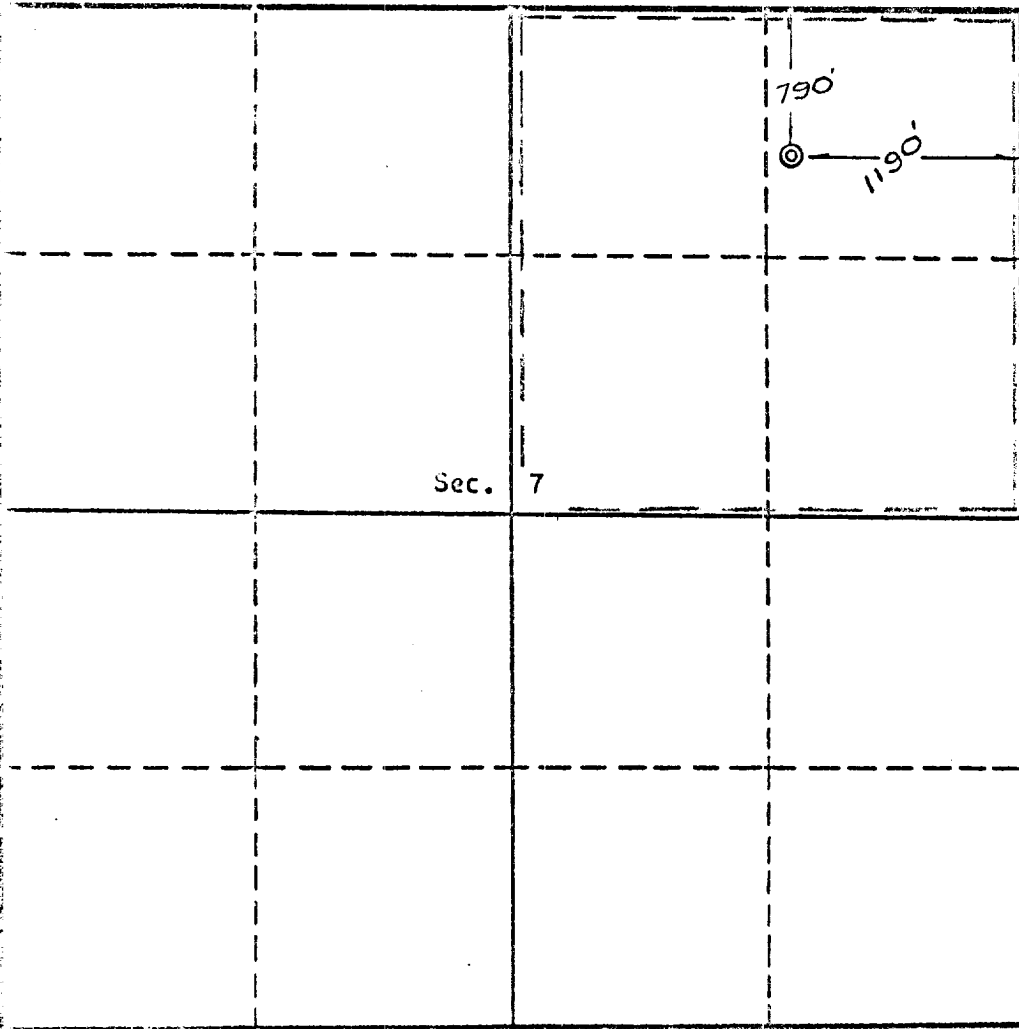
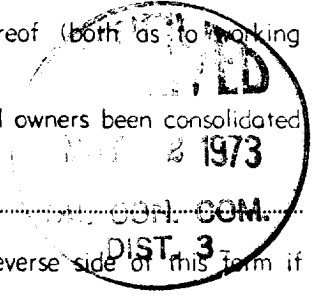
**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

WELL LOCATION AND AVERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator Amoco Production Company			Lease Sicarilla Tribal 358		Well No. 5
Unit Letter A	Section 7	Township 22 North	Range 2 West	County Sandoval	
Actual Factors Location of Well: 790 feet from the North line and 1190 feet from the East line					
Ground Level Report Water	Producing Formation Pictured Cliffs		Pool Ballard Pictured Cliffs	Dedicated Average: 160 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 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 hereid is true and complete to the best of my knowledge and belief.

Name: J. Arnold Snell  
 Position: Area Engineer  
 Company: AMOCO PRODUCTION COMPANY  
 Date: April 27, 1973

I hereby certify that the information 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: April 23, 1973  
 Registered Professional Engineer and/or Land Surveyor  
E. V. Echohawk  
 Certificate No. 3602  
 E. V. Echohawk LS