

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface **1830' FNL & 1490' FEL**
At proposed prod. zone **Same**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 miles northwest of Cuba, New Mexico

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) **1490'**

16. NO. OF ACRES IN LEASE
2546

17. NO. OF ACRES ASSIGNED
TO THIS WELL **160** ✓

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. **2400'**

19. PROPOSED DEPTH
2950'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Will report later

22. APPROX. DATE WORK WILL START*
June 1973

5. LEASE DESIGNATION AND SERIAL NO.
Jicarilla Tribal 358

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Jicarilla Tribal 358

9. WELL NO.
6

10. FIELD AND POOL, OR WILDCAT
Ballard Pictured Cliffs OXY

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
**SW/4 NE/4 Section 6,
T-22-N, R-2-W**

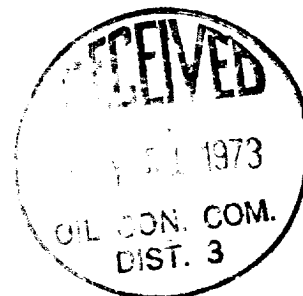
12. COUNTY OR PARISH
Sandoval

13. STATE
New Mexico

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"	24#	200'	175 sx
7-7/8"	4-1/2"	9.5#	2950'	600 sx

Well to be drilled to test the Pictured Cliffs Formation.
Completion interval and stimulation will be determined after review of open hole logs.
Copy of Location Plat, Development Plan, and location sketch are attached.
Copies of logs will be sent upon completion of well.



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.

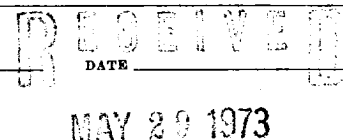
24. Original Signed by
SIGNED J. ARNOLD SNELL TITLE Area Engineer DATE May 29, 1973

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
BIRMINGHAM, ALA.

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.

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator Amoco Production Company		Lease Jicarilla Tribal 358		Well No. 6	
Unit Letter G	Section 6	Township 22 North	Range 2 West	County Sandoval	
Actual Footage Location of Well: 1830 feet from the North line and 1490 feet from the East line					
Ground Level Elev. 7745 est.	Producing Formation Pictured Cliffs	Pool Ballard Pictured Cliffs	Dedicated Acreage: 160 Acres <i>MS</i>		

- 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 (lease, 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 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

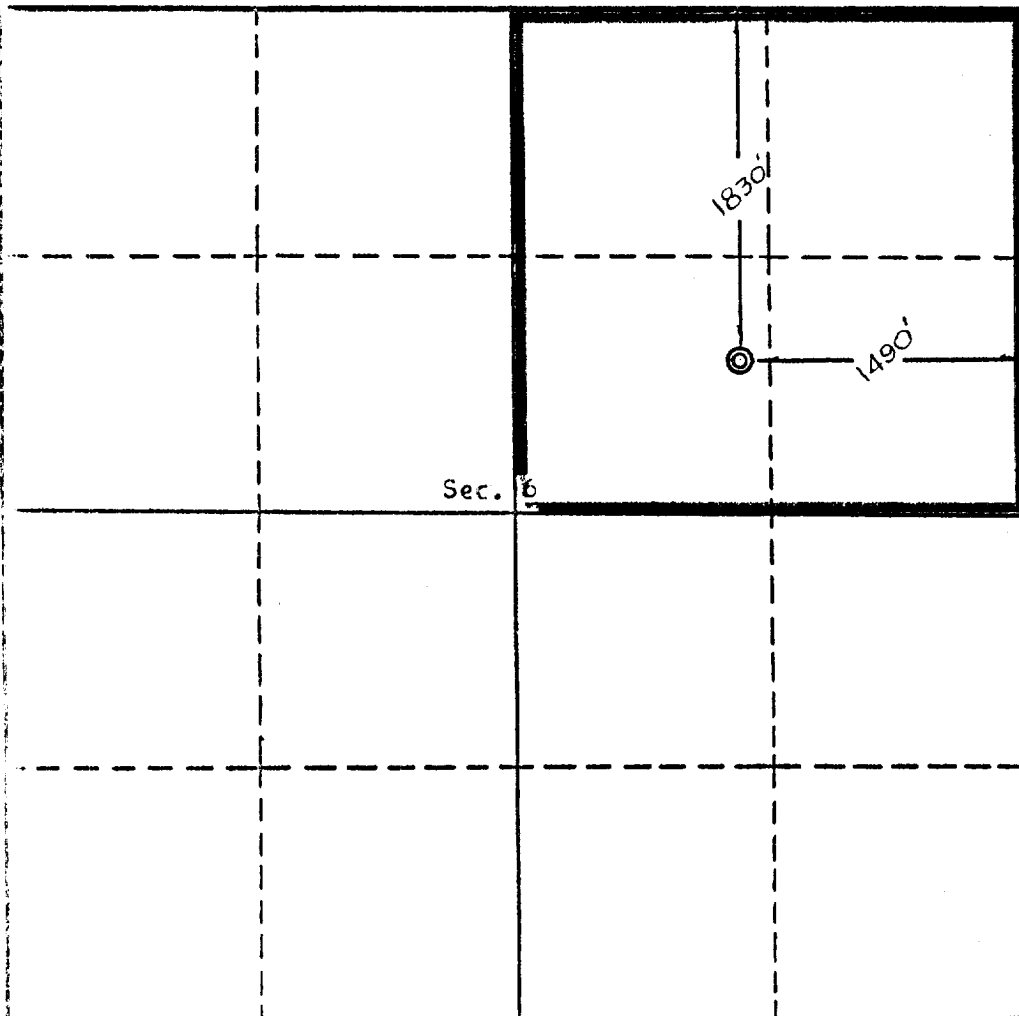
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

J. Arnold Snell
 Name
 J. Arnold Snell
 Position
 Area Engineer
 Company
 AMOCO PRODUCTION COMPANY
 Date
 May 29, 1973

E. V. Echohawk
 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.

E. V. Echohawk
 Date Surveyed
 May 28, 1973
 Registered Professional Engineer
 and/or Land Surveyor

E. V. Echohawk
 Certificate No. 3602
 E. V. Echohawk LS



Scale, 1 inch = 1,000 feet