

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-045-2012
5. LEASE DESIGNATION AND SERIAL NO.
SF 076332 076337

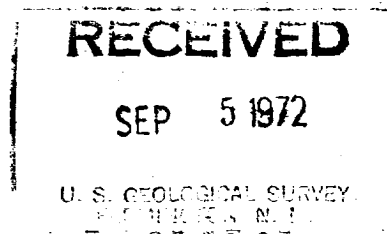
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		7. UNIT AGREEMENT NAME	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		8. FARM OR LEASE NAME W. D. Heath "A"	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		9. WELL NO. 12	
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401		10. FIELD AND POOL, OR WILDCAT Blanco Pictured Cliffs	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 870' FNL & 830' FNL, Section 17, T-29N, R-9W At proposed prod. zone Same		11. SEC., T., R., M., OR BEE. AND SURVEY OR AREA NE/4 NE/4 Section 17, T-29-N, R-9-W	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 2 miles east of Blanco, New Mexico		12. COUNTY OR PARISH 13. STATE San Juan New Mexico	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 830'	16. NO. OF ACRES IN LEASE 1600	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. 200'	19. PROPOSED DEPTH 2250'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5732' GL ungraded		22. APPROX. DATE WORK WILL START* September 1972	

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'	200 sz, circ to surface
7-7/8"	4-1/2"	9.5#	2250'	600 sz, circ to surface

Amoco proposes to drill the above referenced well to 2250' with rotary tools. Drilling mud will be used. Casing will be set thru the Pictured Cliffs after reaching TD. Completion procedure including stimulation will be based on log analysis. A diagram of the location and the acreage dedication plat are attached. A copy of all logs will be sent to your office on completion.



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 SHELL
SIGNED _____ TITLE Area Engineer DATE September 1, 1972

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY *COA*
CONDITIONS OF APPROVAL, IF ANY: _____

TITLE _____

DATE _____

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 ACREAGE DEDICATION PLAT**

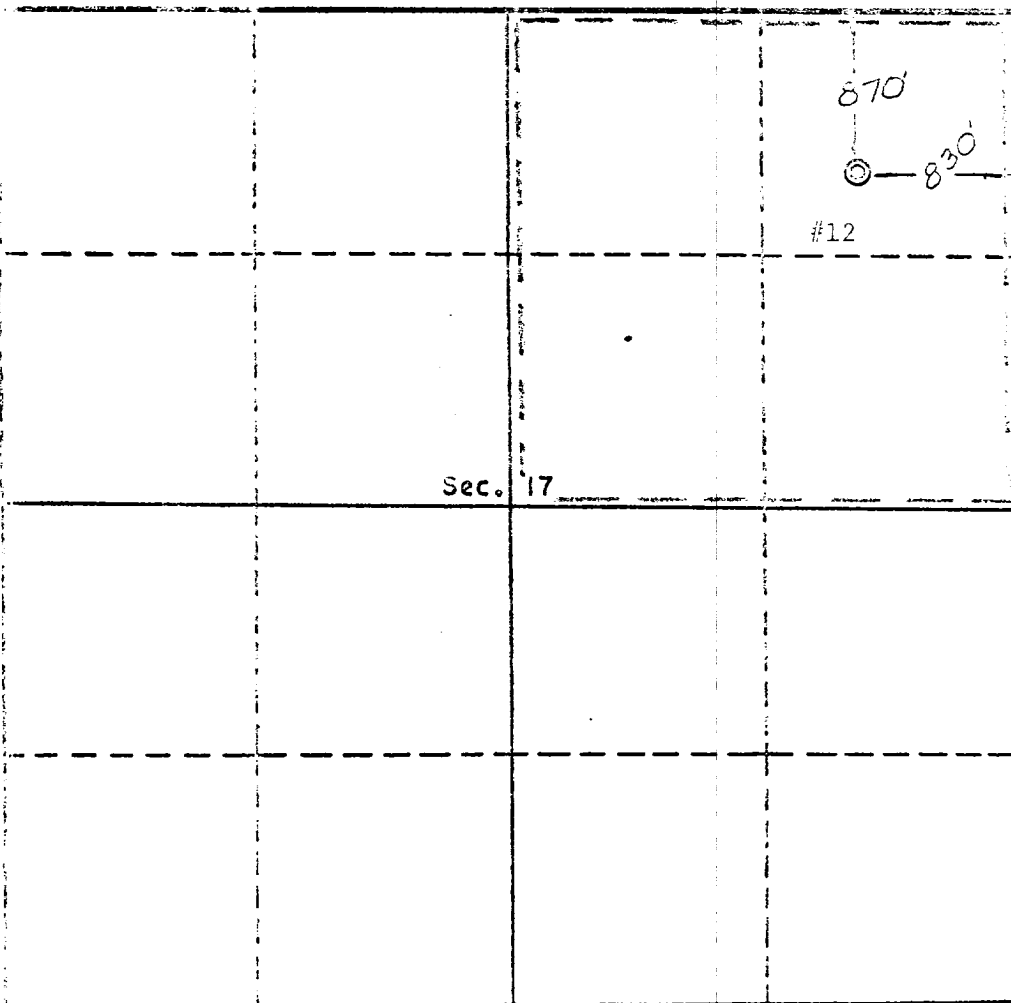
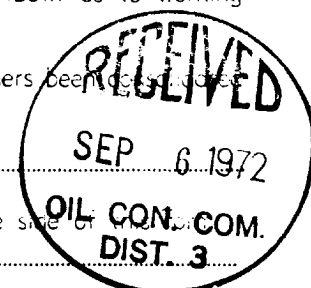
All distances must be from the outer boundaries of the Section

Operator AMOCO PRODUCTION COMPANY			Lease W. D. ROUTH "A"		Well No. 11
Unit Letter A	Section 17	Township 29 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 670 feet from the North line and 830 feet from the East line Ground Level Elev. 5750 mpr. Producing Formation Pictured Cliffs Pool Blanco Pictured Cliffs Dedicated Acreage 160 Acres					

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 consolidated. (Use reverse side of plat if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-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. Arnold Snell
 Position Area Engineer
 Company AMOCO PRODUCTION COMPANY
 Date September 1, 1972

REGISTERED LAND
 This plat was filed for record on this 1st day of September 1972 at the County Clerk's Office, San Juan County, New Mexico.
 Date Surveyed August 28, 1972
 Registered Professional Engineer and/or Land Surveyor

Certificate No. 2602
 E. V. ECHOLS

Scale, 1 inch = 1,000 feet