

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 ~~ARCO Oil and Gas Company~~
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR Suite 501
1860 Lincoln Street, Denver, Colorado 80295

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 750' FNL & 990' FEL Section 5 (NE NE) (Unit A)
At proposed prod. zone
Approximately Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
See NTL-6

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

16. NO. OF ACRES IN LEASE
2611.20

17. NO. OF ACRES ASSIGNED TO THIS WELL
~~160~~ 218.95

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
200' f well in NE NE Sec. 5

19. PROPOSED DEPTH
7500'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6781' GL (Ungraded)

22. APPROX. DATE WORK WILL START*
When appl'd. appl. rec'd.
approx. 2-28-79

5. LEASE DESIGNATION AND SERIAL NO.
30-039-22005

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Contract No. 111

7. UNIT AGREEMENT NAME
Jicarilla

8. FARM OR LEASE NAME
Jicarilla

9. WELL NO.
101

10. FIELD AND POOL, OR WILDCAT
West Lindrith-Gallup/Dakot.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5-24N-4W Cx4

12. COUNTY OR PARISH
Rio Arriba

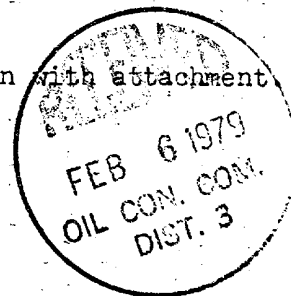
13. STATE
New Mexico

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" OD	24#	300'	300 sx. (cement to surface)
7-7/8"	5-1/2" OD	15.5 & 17#	T. D.	550 sx.

Propose to drill well to a depth sufficient to test the Dakota Formation, setting surface casing and if productive set production casing. If both formations are productive, perforate, test and treat if necessary and dual complete in the Gallup and Dakota Formations. Production will be commingled.

Pursuant to NTL-6, attached are Certified Location Plat
Drilling Plan with attachment
Surface Use and Operations Plan with attachment



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 Operations Manager DATE February 1, 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

oh Frank

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
DENVER, COLO.

RECEIVED

FEB 05 1979

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**

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

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

Operator ATLANTIC RICHFIELD COMPANY			Lease JICARILLA		Well No. 101
Unit Letter A	Section 5	Township 24 NORTH	Range 4 WEST	County RIO ARriba COUNTY	
Actual Footage Location of Well: 750 feet from the NORTH line and 990 feet from the EAST line					
Ground Level Elev. 6781	Producing Formation Gallup - Dakota	Pool West Lindreth Gallup Dakota		Dedicated Acreage: 218.95 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

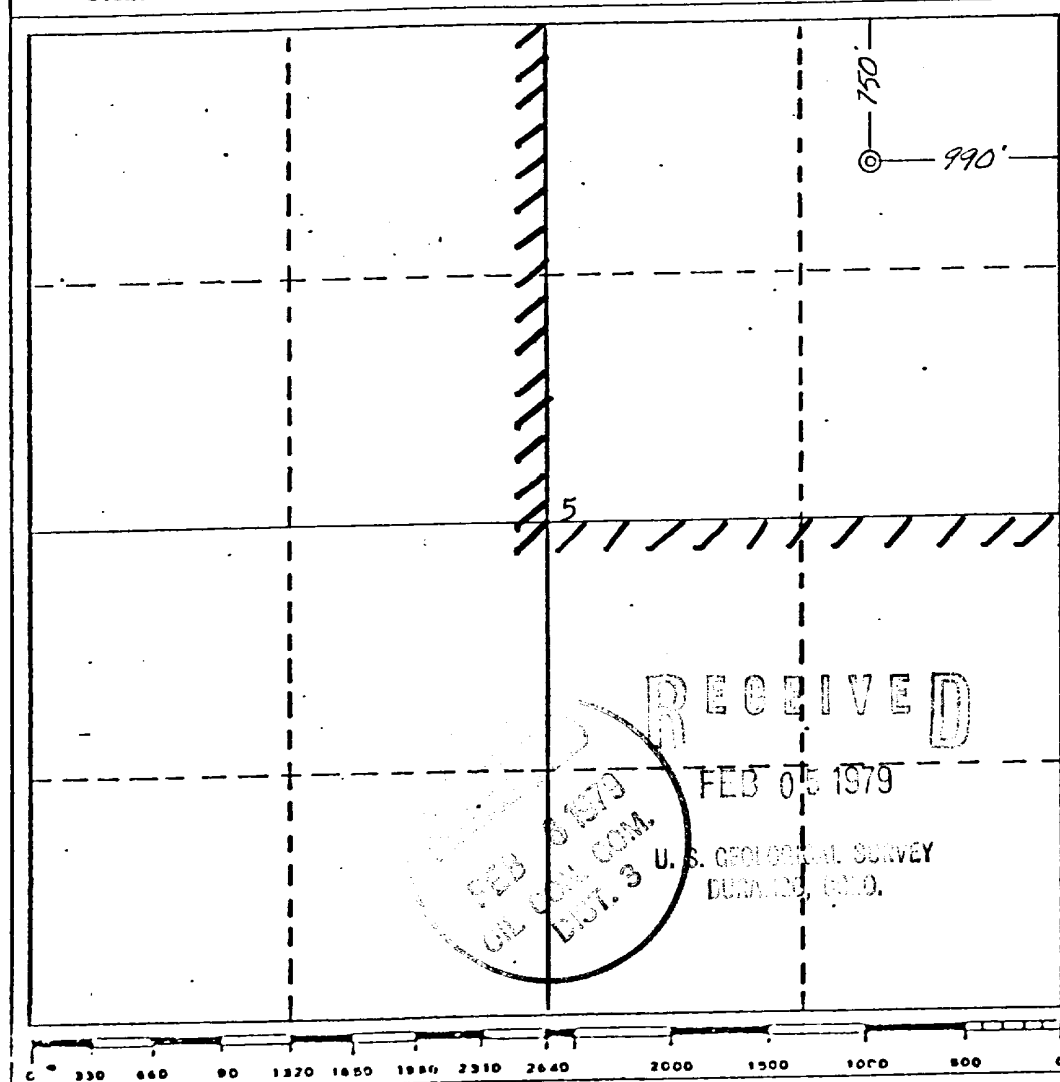
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 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.	
<i>W.A. Walther, Jr.</i> Name W. A. Walther, Jr.	
Position Operations Manager	
Company Arco Oil & Gas Co., a Div. of Atlantic Richfield Co.	
Date February 2, 1979	
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 <i>Michael Daly</i> Registered Professional Engineer and/or Land Surveyor	
Michael Daly	
Certificate No. 5992	

Wind
Mill &
Tank
Water

Lindrieth
N.M. 13 mi.

T
24
N

C H E

Canada

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R 4 W

— LEGEND —

- PROPOSED LOCATION
- ROAD TO BE CONSTRUCTED
- ===== EXISTING ACCESS ROADS

Atlantic Richfield Company
ROCKY MOUNTAIN DISTRICT
DENVER, COLORADO

Jicarilla # 101
Rio Arriba County, N.M.

DRAFTED BY SKA CHECKED BY _____ DATE 2-1-79
SCALE 1:24000 REVISED _____