

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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  
ZONES ☒

2. NAME OF OPERATOR ARCO Oil and Gas Company,  
a Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P. O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 2250' FNL and 900' FWL, Section 23-25N-3W

At proposed prod. zone

Approximately the same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 7.0 miles northwest of Lindrith, New Mexico

16. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

900'

18. NO. OF ACRES IN LEASE  
880

17. NO. OF ACRES ASSIGNED  
TO THIS WELL  
160

13. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. EPNG Hill #7 (PC)

1423' from

19. PROPOSED DEPTH  
8245'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, ET, GL, etc.)

2310

7340' GL

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"  
PROPOSED CASING AND CEMENTING PROGRAM

22. APPROX. DATE WORK WILL START\*

March 13, 1986

23. This action is subject to technical and procedural review pursuant to 43 CFR 3165.4 and appeal pursuant to 43 CFR 3165.4.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	500'	Approx. 320 cf, cmt to surf
8-3/4"	5-1/2"	17#	8245'	Approx. 2200 cf, cmt to 200' above Ojo

ARCO Oil and Gas Company proposes to drill a 8245' test and dually complete in the Gallup and Dakota Formations as described in the attached plans.

Enclosed are the Drilling Plan with Exhibits "A" and "AA", and the Surface Use Plan with Exhibits "B", "C", "D", and "E".

Please contact Dan Lowe, Drilling Engineer at (303) 293-7176 if additional information is required to obtain approval of this permit.

RECEIVED  
MAY 19 1986  
OIL CON. DIV.

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.

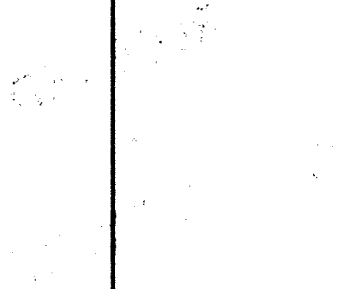
24. SIGNED Ken B. Morse TITLE Operations Manager DATE July 12, 1986  
(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

NMO

\*See Instructions On Reverse Side



## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P.O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form 10-1-78

Revised 10-1-78

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

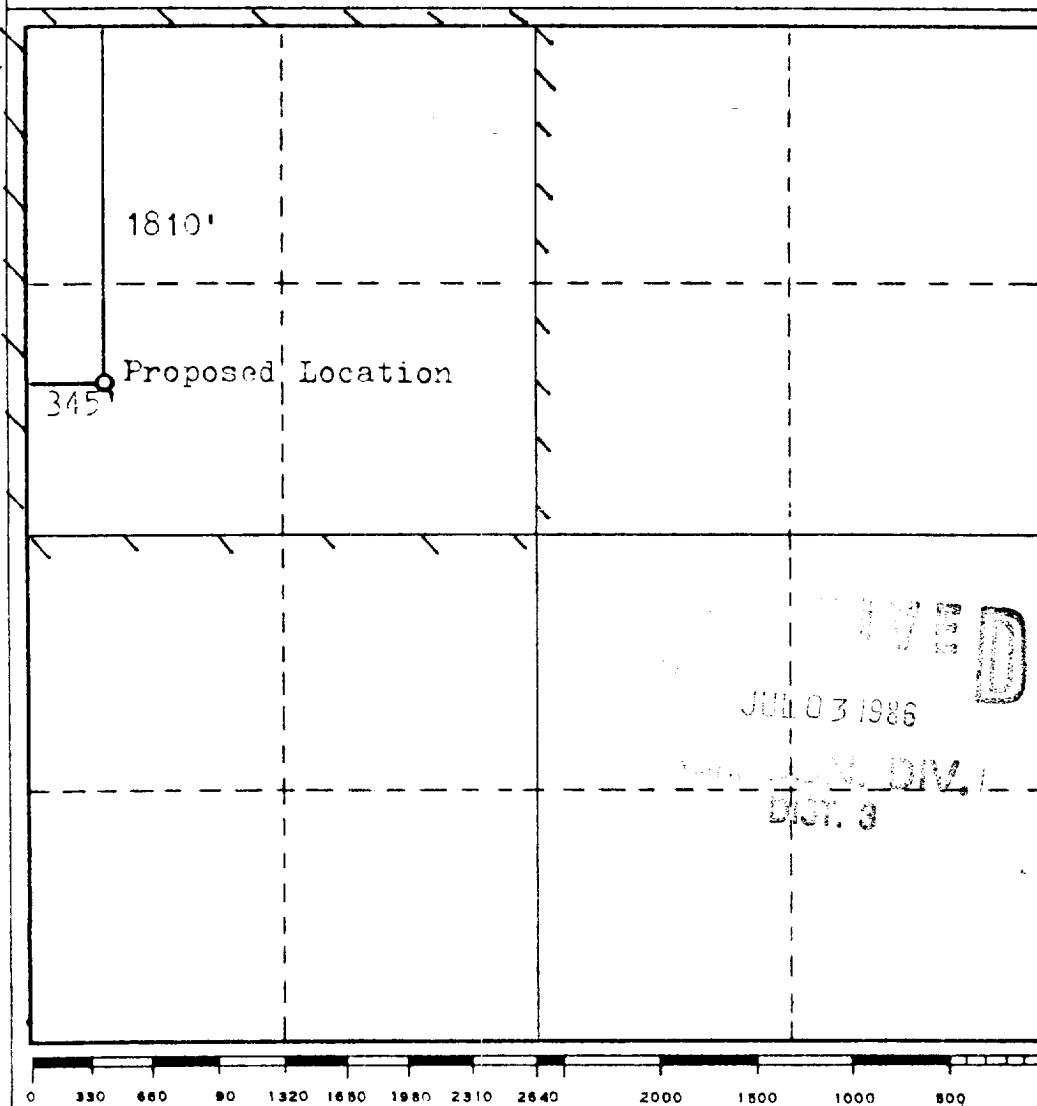
Operator ARCO OIL & GAS CO.		Lease ARCO Hill 23		Well No. 23-1	
Unit Letter E	Section 23	Township 25 North	Range 3 West	County Rio Arriba	
Actual Footage Location of Well: 1810 feet from the North line and 345 feet from the West line					
Ground Level Elev. 7310	Producing Formation Gallup/Dakota		Pool W. Lindrith Ext	Dedicated Acreage: 160 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.

*Ken W. Gosnell*

Name

Ken W. Gosnell

Position

Engr. Tech. Spec.

Company

ARCO Oil &amp; Gas Co.

Date

7-1-86

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.

Feb. 17, 1986

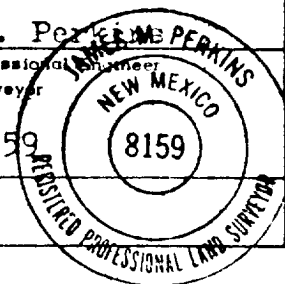
Date Surveyed

James M. Perkins

Registered Professional Engineer  
and/or Land Surveyor

L.S. 8159

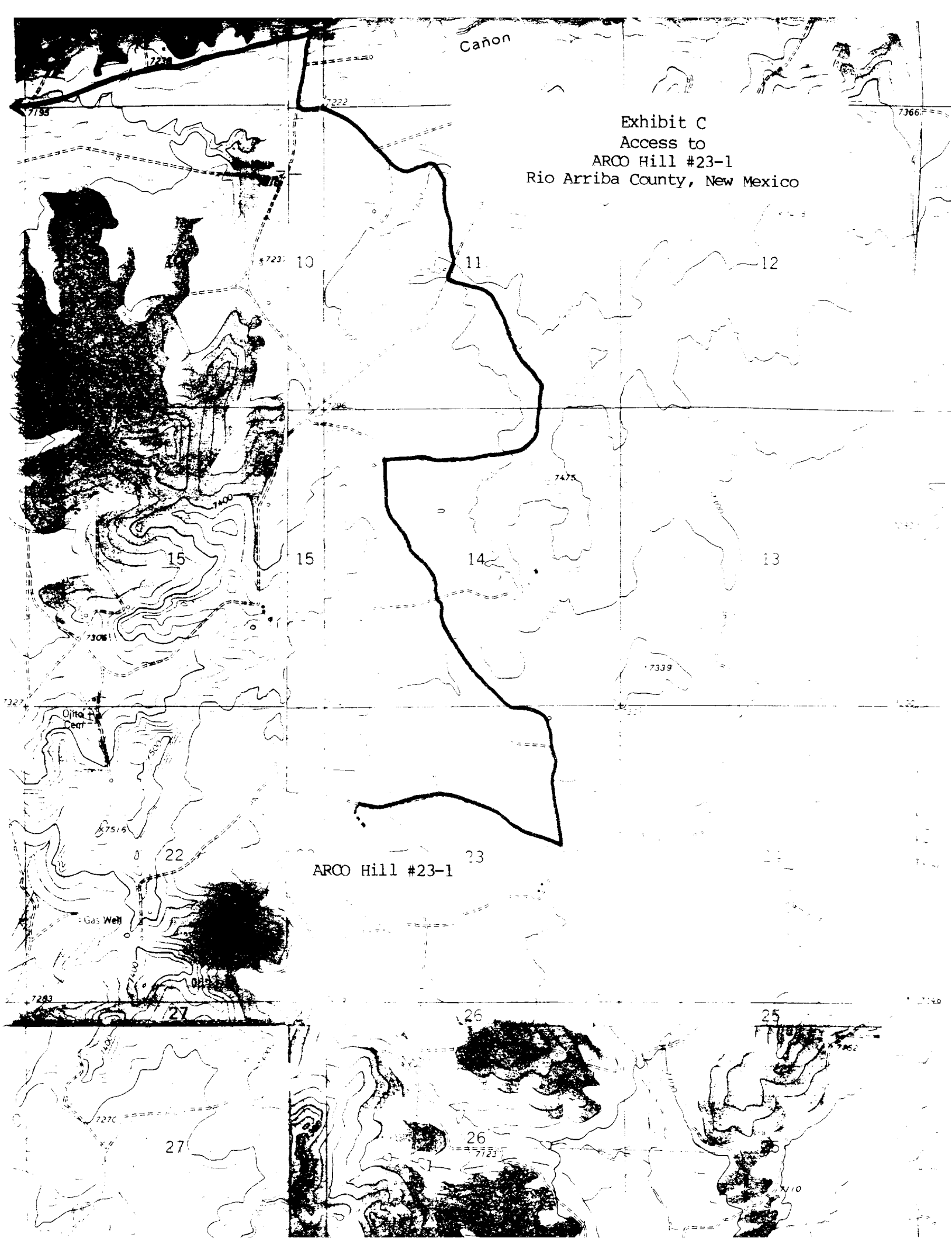
Certificate No.





Canon

Exhibit C  
Access to  
ARCO Hill #23-1  
Rio Arriba County, New Mexico



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