

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-039-22112
5. LEASE DESIGNATION AND SERIAL NO.
Jicarilla Contract # 111
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla
7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Jicarilla
9. WELL NO.
109
10. FIELD AND POOL, OR WILDCAT
W. Lindrith Gallup/Dakota
11. SEC., T., R., M., OR BLE.
AND SURVEY OR AREA
5-24N-4W
12. COUNTY OR PARISH
Rio Arriba
13. STATE
New Mexico

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 & 2100' FWL Section 5 (NE NW) (Unit C)

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

215.53 * (Over sized section)

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

Approx. 600'
f/well in NW/4

19. PROPOSED DEPTH

7350'

20. ROTARY OR CABLE TOOLS

Rotary

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

Sec. 5

6774' GR (Ungraded)

22. APPROX. DATE WORK WILL START*

When approved appl. rec'd.
From District Engineer

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. (cmt. to surf.)
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 setting production casing. If both formations are productive (Gallup and Dakota) will perforate, test and treat if necessary and commingle production in the Gallup and Dakota Formations.

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

*NOTE: Due to the over sized section the north west quarter contains 215.53 acres which according to Rule Number 104-D of the Oil Conservation Commission for the State of New Mexico requires the consent of all off set owners. A copy of the letter that was mailed to Continental Oil Company (only offset operator) 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.

SIGNED

W. A. Walther, Jr.
(This space for Federal or State use)

TITLE Operations Manager

DATE July 2, 1979

PERMIT NO.

APPROVAL DATE

APPROVED BY

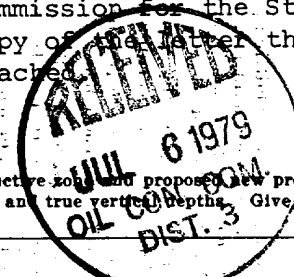
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ok Frank

*See Instructions On Reverse Side



**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.

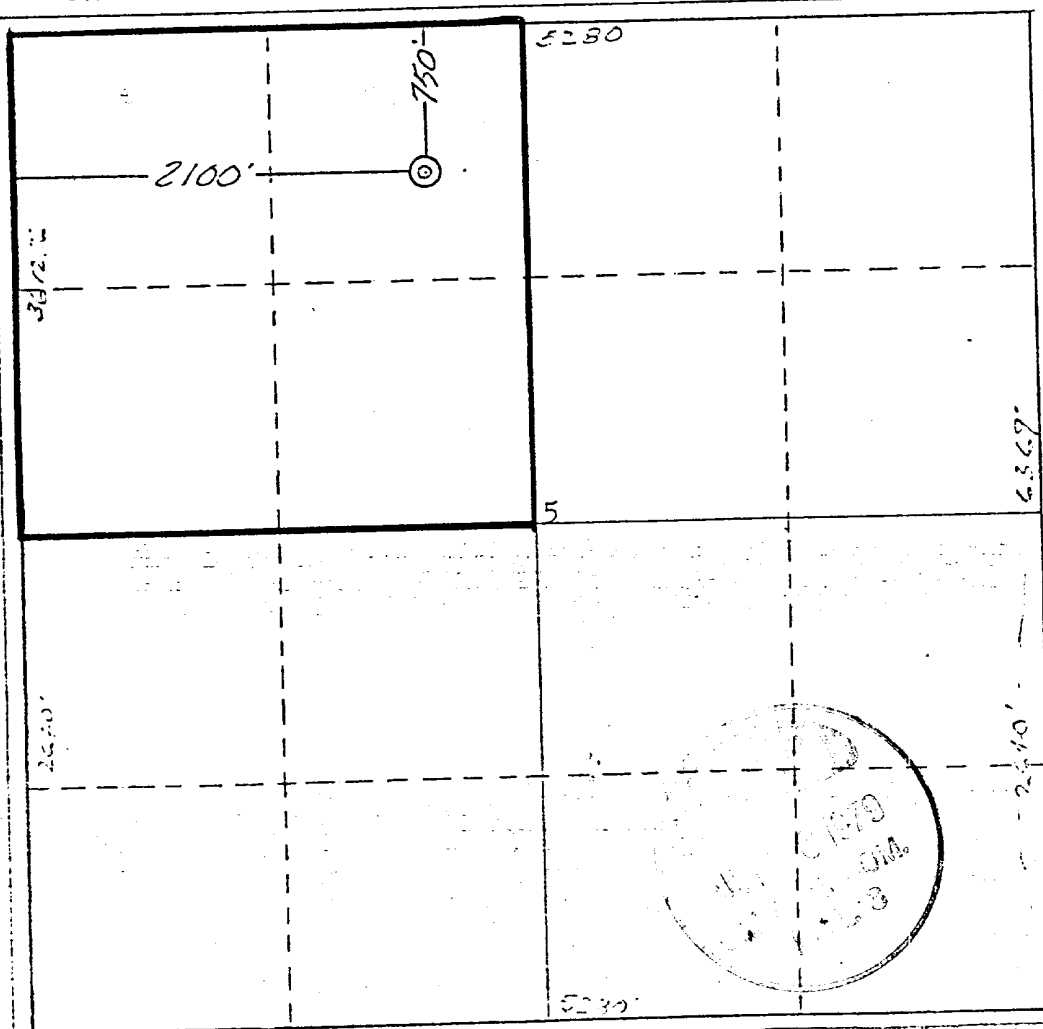
Operator ARCO OIL AND GAS COMPANY **			Lease JICARILLA APACHE "H"		Well No. 109
Unit Letter C	Section 5	Township 24 NORTH	Range 4 WEST	County RIO ARriba	
Actual Footage Location of Well:					
750 feet from the NORTH line and		2100 feet from the WEST line			
Ground Level Elev. 6774	Producing Formation W. Lindrith Gallup/Dakota	Pool Gallup/Dakota ext	Dedicated Acreage: 215.53 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). **N/A**
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? **N/A**

☐ 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.

W. A. Walther, Jr.
Name

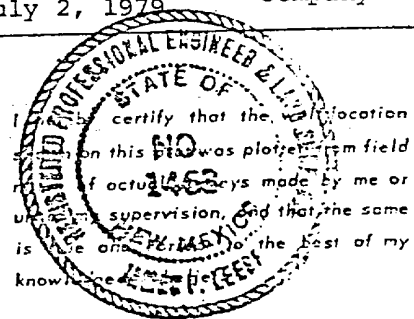
W. A. Walther, Jr.
Position

Operations Manager

Company **ARCO Oil and Gas Co.,**

Division of Atlantic Richfield

Date **July 2, 1979** Company

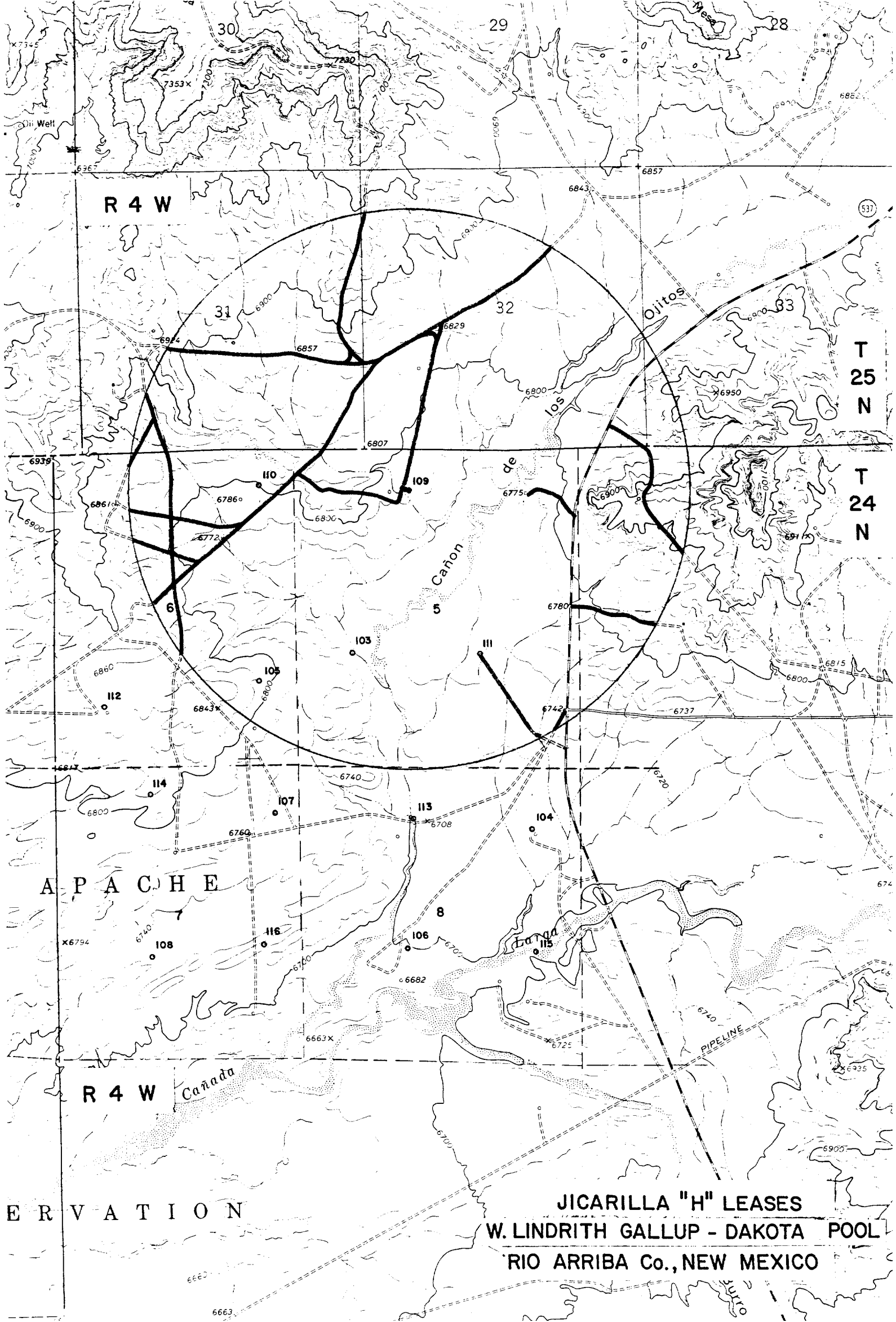


Date Surveyed
27 May 1979

Registered Professional Engineer
and/or Land Surveyor

James P. Lease
James P. Lease

Certificate No.
1463



R 4 W

T 25 N

T 24 N

APACHE

R 4 W

ERVATION

JICARILLA "H" LEASES
W. LINDRITH GALLUP - DAKOTA POOL
RIO ARRIBA Co., NEW MEXICO