

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-22155

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK			DRILL <input checked="" type="checkbox"/>			DEEPEN <input type="checkbox"/>			PLUG BACK <input type="checkbox"/>		
b. TYPE OF WELL			OIL WELL <input checked="" type="checkbox"/>			GAS WELL <input checked="" type="checkbox"/>			OTHER <input type="checkbox"/>		
2. NAME OF OPERATOR			ARCO Oil and Gas Company			SINGLE ZONE <input type="checkbox"/>			MULTIPLE ZONE <input checked="" type="checkbox"/>		
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			650' FNL & 650' FEL Section 6 (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)			650' f/lse. line			16. NO. OF ACRES IN LEASE			2611.20		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			f/well in NW/4			19. PROPOSED DEPTH			7500'		
21. ELEVATIONS (Show whether DF, RT, GR, etc.)			Sec. 6			20. ROTARY OR CABLE TOOLS			Rotary		
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- $\frac{1}{4}$ "	8-5/8" OD	24#	\pm 300'	300 sx. (cmt. to surf.)
7-7/8"	5- $\frac{1}{2}$ " 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.

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 east quarter contains 215.52 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 letters that were mailed to Continental Oil Company and Energy Reserves Group are 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. W. W. W. W. TITLE Operations Manager DATE August 14, 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____ RECEIVED

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY : _____

RECEIVED
DATE

AUG 21 1979

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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 Antelope		Well No. 110
Unit Letter A	Section 6	Township 24 NORTH	Range 4 WEST	County RIO ARriba	

Actual Footage Location of Well:

650 feet from the NORTH line and		650 feet from the EAST line	
Ground Level Elev. 6802	Producing Formation Gallup/Dakota	Pool West Lindrith Gallup/Dakota	Dedicated Acreage: 215.52 Acres

- 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 (both as to working interest and royalty).

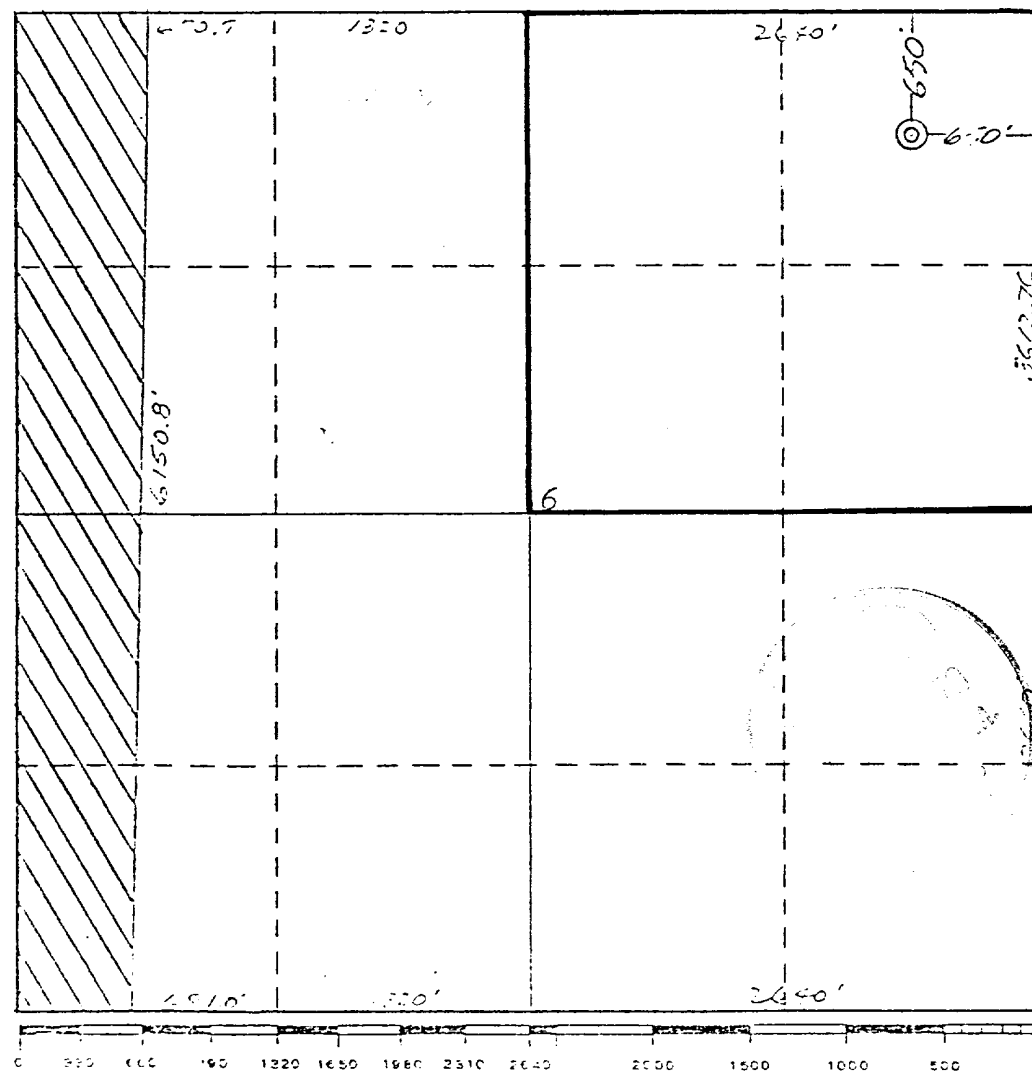
N/A
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

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
Div. of Atlantic Richfield

Date
August 24, 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
27 May 1979

Registered Professional Engineer and/or Land Surveyor

James P. Leese
James P. Leese

Certificate No.
1463

