

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 ZONE ☒

2. NAME OF OPERATOR
ARCO OIL AND GAS COMPANY, A Division of Atlantic Richfield Co.

3. ADDRESS OF OPERATOR
P. O. Box 1610 Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 925' FSL and 2260' FEL

At proposed prod. zone Approximately same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
± 7 miles northwest of Lindrith, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 382'

16. NO. OF ACRES IN LEASE
880

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.
850'

19. PROPOSED DEPTH
8,108'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7,227'

22. APPROX. DATE WORK WILL START*
early September, 1986

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

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.
540sx cmt or to Surface
1630 sx cmt or to surface

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	8-5/8"	24#	750'
7-7/8"	5-1/2"	17#	8108'

Pursuant to Onshore Oil and Gas Order No. 1
Certified Location Plat (Exhibit #1)
Drilling Plan w/attachments
Surface Use & Operations Plan w/attachments

RECEIVED
SEP 08 1986
OIL CON. DIV.
DIST. 3

This well is proposed to be drilled to 8108' and to be comingled in the Gallup
and Dakota Formations as described in the attached plans.

Please contact Sandy Stash-Zdinak, Drilling Engineer, at (915)688-5675 if additional
information is required.

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 District Drilling Engineer DATE 6-23-86
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

*See Instructions On Reverse Side

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

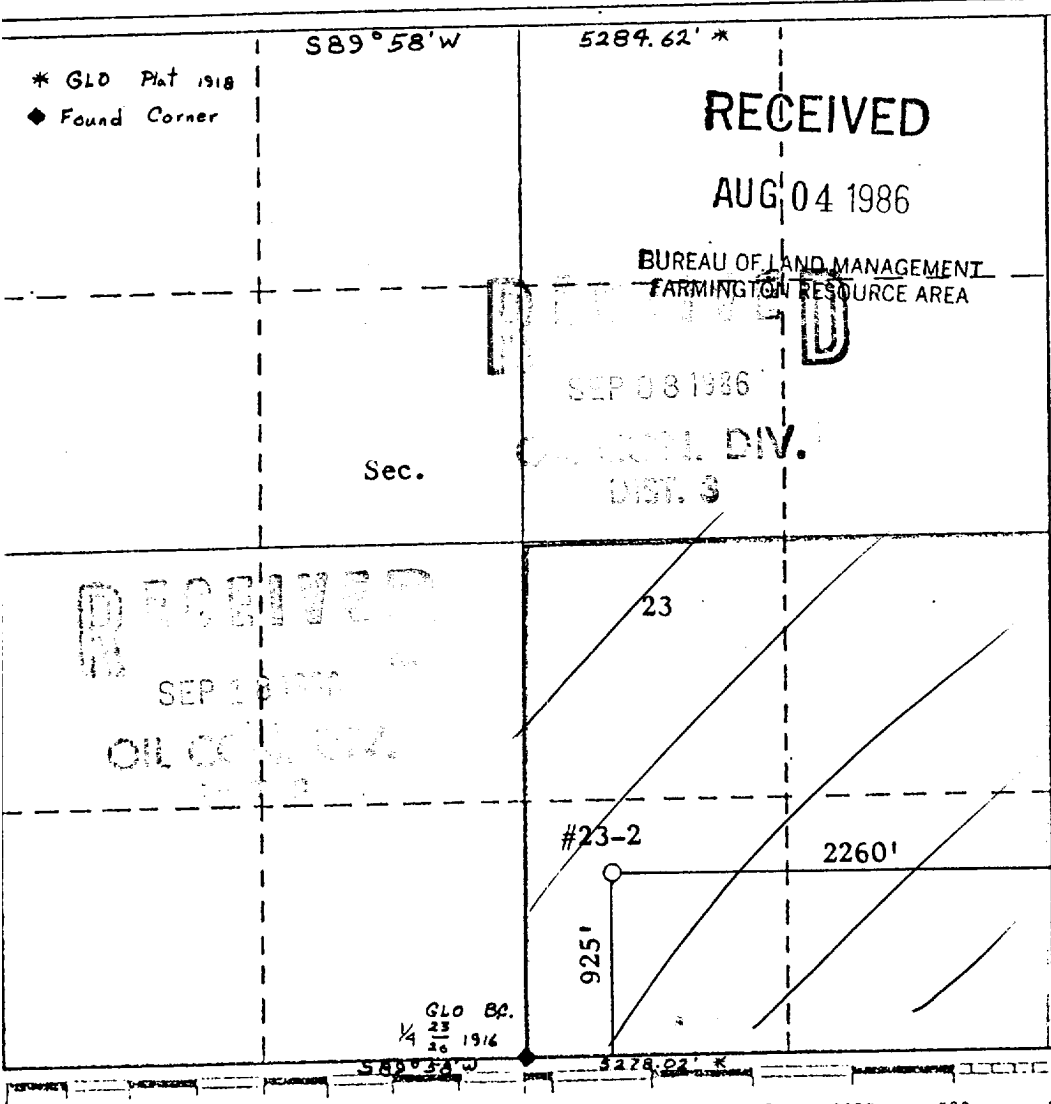
Operator ARCO OIL & GAS		Lease ARCO Hill 2-3		Well No. 23-2	
Oil Letter 0	Section 23	Township 25 North	Range 3 West	County Rio Arriba	
Actual Postage Location of Well: (cardinal) 925 feet from the South line and 2260 feet from the East line					
Ground Level Elev. 7227'	Producing Formation Gallup/Dakota	Pool W. Lindville Ext		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 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 Division.



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	Pandra Hast-Zdrinak
Position	Drilling Engineer
Company	ARCO Oil and Gas Co.
Date	July 21, 1986
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	July 3, 1986
Registered Professional Engineer and/or Land Surveyor	
Certificate No.	

UNITED STATES
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SUBMIT IN TRIPPLICATE
(Other instructions on re-
verse side)

Expires August 31, 1985
3. LEASE DESIGNATION AND SERIAL
Fed Min: NM-04075
4. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

SEP 12 1986

1. WELL TYPE ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

ARCO Oil and Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 1610, Midland, Texas 79702

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.)

At surface 925 FSL and 2260 FEL (Unit Letter O)

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME

Hill

9. WELL NO.

23-2

10. FIELD AND POOL OR WILDCAT

W. Lindrith-Gallup/Dakota

11. SEC., T., S., M., OR BLK. AND
SUBDIVISION OR AREA

23-25N-3W

12. COUNTY OR PARISH 13. STATE

Rio Arriba

NM

14. PERMIT NO

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

7227 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

☒

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETION

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Propose to alter casing program from:

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	8-5/8	24#, K-55	750	540sx or to surface
7-7/8	5-1/2	17#	8108	1630sx or to surface

TO:

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
no change	9-5/8	36#, K-55	750	no change
8-3/4	no change	no change	no change	no change

18. I hereby certify that the foregoing is true and correct

SIGNED Ken W. Gosnell

915-688-5672
TITLE Engr. Tech. Spec.

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE SEP 15 1986

John S. Kelly
FARM AREA MANAGER

APPROVED

*See Instructions on Reverse Side

NMOCC