

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 Company

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

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

1100' FSL & 820' FEL
At proposed prod. zone

Approximately the same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Farmington, NM; 3 miles south

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

820' east to lease
line

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

2068'

16. NO. OF ACRES IN LEASE
2560

19. PROPOSED DEPTH
6860

17. NO. OF ACRES ASSIGNED
TO THIS WELL
320

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5890 (GR) DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED August 1988

23. PROPOSED CASING AND CEMENTING PROGRAM. 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 |
|--------------|----------------|-----------------|---------------|
| 12-1/4" | 8-5/8" | 24.0 | 650' |
| 7-7/8" | 4-1/2" | 11.6 | 6860' |

cmt to surf w/ 550 ft³ cmt
cmt to surf in two stages:
1st stage: TD-3550' w/ 1350 ft³ of cmt
2nd stage: 3550'-surf w/ 1500 ft³ of cmt

Propose to drill to a depth sufficient enough to fully evaluate the Dakota formation.
Attachments are as follows:

1. Certified Location Plat
2. Drilling Plan with Attachments
3. Surface Use Plan with Attachments.

RECEIVED
SEP 09 1983
OIL CON. DIV.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposed to drill or deepen directionally, give blowout preventer program, if any.

24. SIGNED K. D. Krawietz TITLE Area Drilling Engineer DATE 7/25/83
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED
DATE 8/24/1988
L. See
AREA MANAGER

NMOCC
*See Instructions On Reverse Side

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

| | | | | | | |
|--------------------------------------|-------------------------------|-----------------------------|----------------------------|--------------------|--------------------------------|----------------|
| Operator ARCO Oil and Gas Company | | | Lease Maddox WN Federal | | | Well No. 2E |
| Unit Letter P | Section 12 | Township 30 North | Range 13 West | County San Juan | | |
| Actual Footage Location of Well: | | | | | | |
| 1100 feet from the South line and | | 820 feet from the East line | | | | |
| Ground Level Elev. 5890 | Producing Formation Dakota | | Pool Basin Dakota | | Dedicated Acreage 320 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.

Ken W. Gosnell

Name

Ken W. Gosnell

Position

Engr. Tech.

Company

ARCO Oil & Gas Co.

Date

9-6-88

I hereby certify that the information shown on this plat was prepared by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

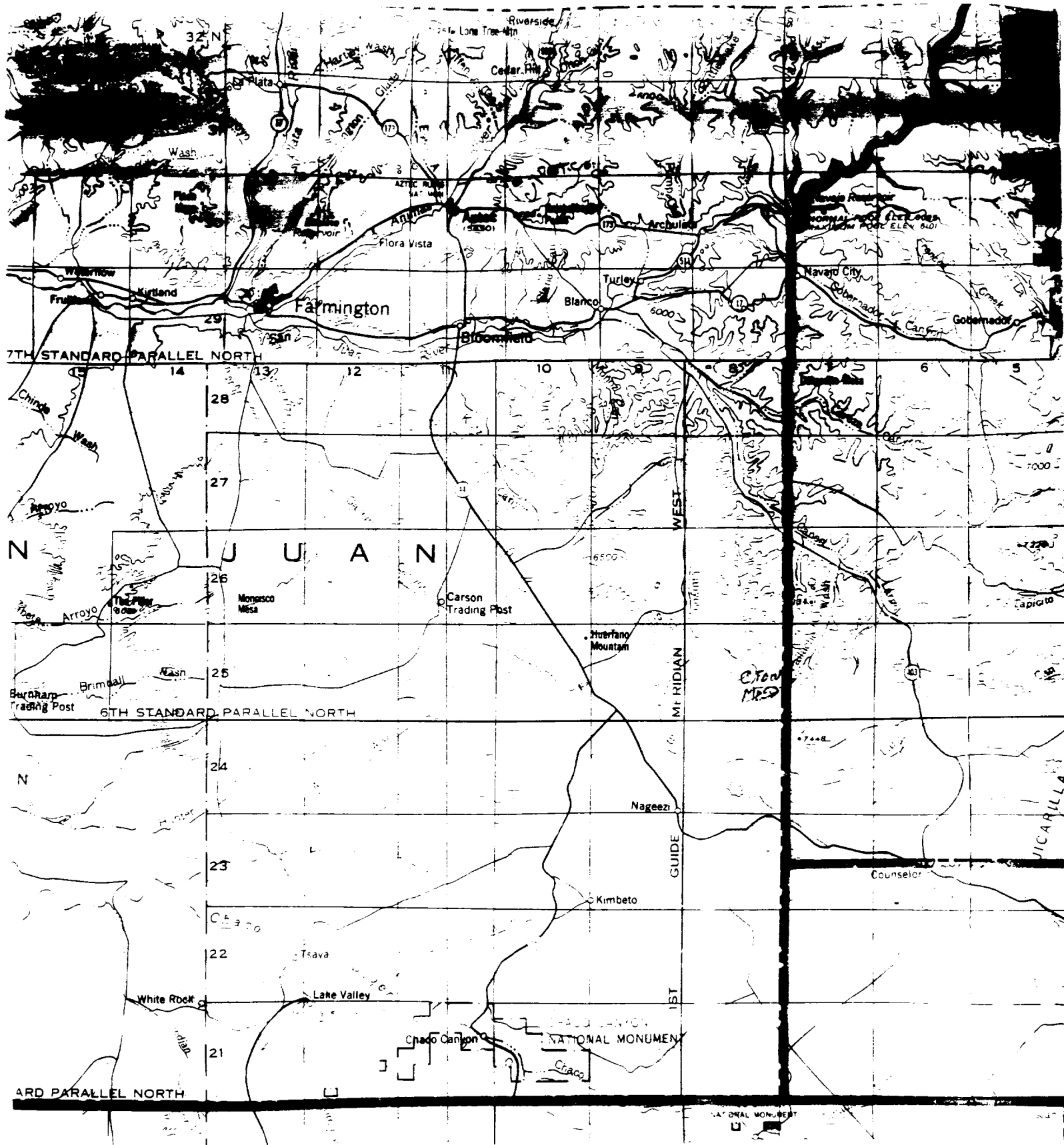
July 22, 1988

Registered Professional Engineer and/or Land Surveyor

Edgar L. Risenhoover

Certificate No. 5979

Edgar L. Risenhoover, L.S.



Directions to Maddox WN Federal #2E
From Farmington

Exhibit A

1. ± 7 miles north-northeast on Farmington-Glade Road
2. southeast $1/2$ mile
3. northeast .7 miles
4. .1 mile into location