

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
Amoco Production Company

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1850' FSL x 1700' FWL
At proposed prod. zone Same
FEB 18 1985

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
23 miles southeast of Farmington, NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any.) 1700'

16. NO. OF ACRES IN LEASE
-2160.62 1120.62

17. NO. OF ACRES ASSIGNED TO THIS WELL
320/40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
2400' N 6075'

19. PROPOSED DEPTH
6075'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, CR, etc.)
5731' GR

22. APPROX. DATE WORK WILL START*
As soon as permitted

23. DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS" AND CEMENTING PROGRAM
This action is subject to administrative appeal pursuant to 30 CFR 290.

24. 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.

Amoco proposes to drill the above well to further develop the Basin Dakota and Undesignated Gallup reservoirs. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is dedicated to El Paso Natural Gas under contract No. 56,742.

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MAR 21 1985

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5. LEASE DESIGNATION AND SERIAL NO.

SF-078902

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Gallegos Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.

147E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota/Undes. Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

NE/SW Sec. 4, T27N, R12W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3#, H-40	300'	354 c.f. Class B
8-3/4"	7"	20#, K-55	6075'	1375 c.f. Class B

Original Signed By
D.D. Lawson

District
TITLE Administrative Supervisor

APPROVED
DATE 2/5/85
AS AMENDED
MAR 19 1985
/s/ Stan McKee
AREA MANAGER
FARMINGTON RESOURCE AREA

PERMIT NO. APPROVAL DATE

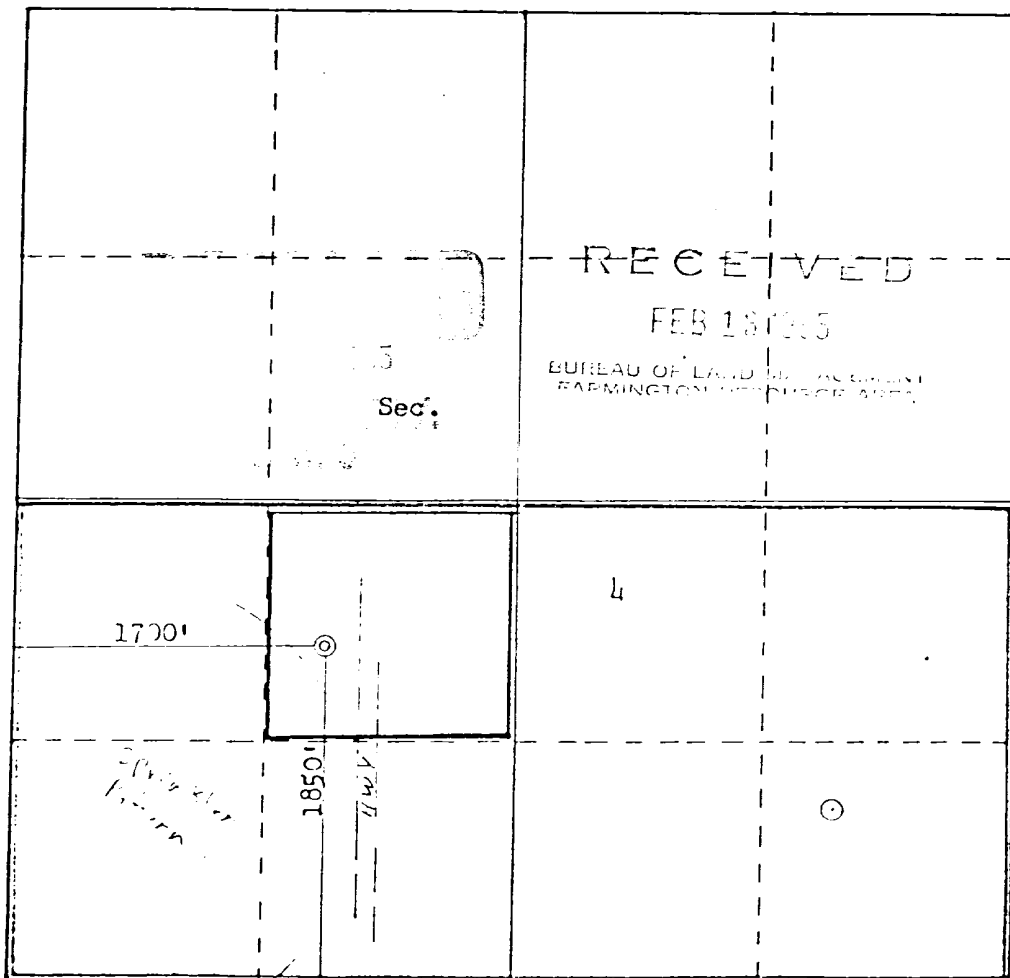
APPROVED BY TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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

Operator AMOCO PRODUCTION COMPANY			Lease GALLEGOS CANYON UNIT		Well No. 147E
Unit Letter K	Section 4	Township 27N	Range 12W	County San Juan	
Actual Footage Location of Well: 1850 feet from the South line and 1700 feet from the West line					
Ground Level Elev: 5731	Producing Formation Dakota & Gallup		Pool Basin Dakota/Undesignated Gallup		Dedicated Acreage: 320/40 Acres
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>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).</p> <p>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?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation <u>Unitized</u></p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)</p> <p>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.</p>					



Scale: 1"=1000'

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Original signed by D.D. Lawson	Name
D.D. Lawson	Position
District Administrative Supervisor	Company
Amoco Production Company	Date
2/5/85	
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	January 11, 1985
Registered Professional Engineer and Land Surveyor	Fred B. Kern Jr.
Certificate No.	3950

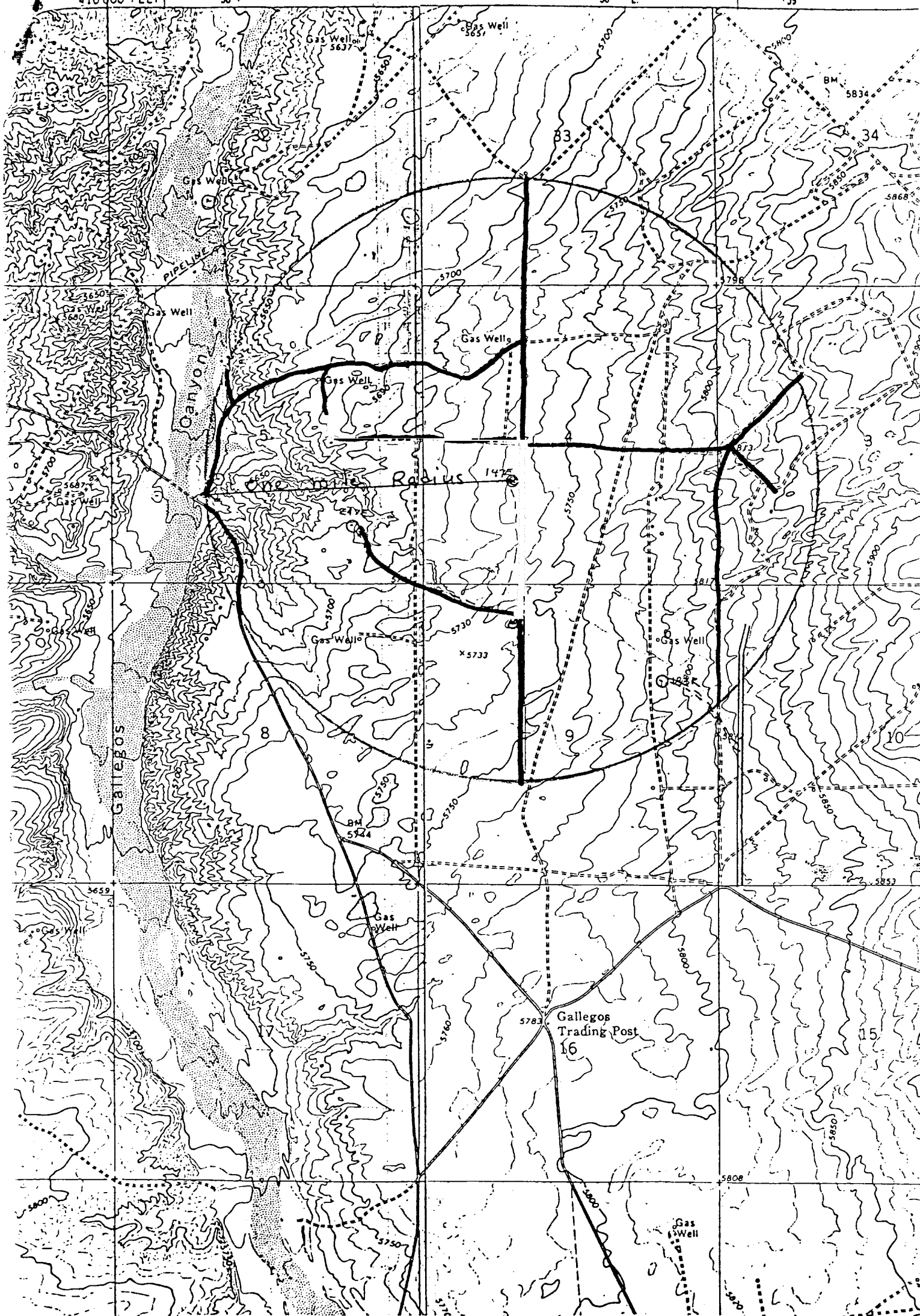


Exhibit B

Vicinity Map for
AMOCO PRODUCTION CO. #117E GALLEGOS CANYON UNIT
1850' FSL 1700' FWL Sec. 4-T27N-R12W
SAN JUAN COUNTY, NEW MEXICO

— = Existing roads.

— = access road.