

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Infill

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

501 Airport Dr., Farmington, NM 87401

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

At surface

2320' FNL and 1800' FWL, Section 21, T28N, R12W

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8.5 miles Southeast of Farmington, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1800'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2800'

16. NO. OF ACRES IN LEASE

2536.94

19. PROPOSED DEPTH

6500'

17. NO. OF ACRES ASSIGNED

TO THIS WELL
W 320

20. ROTARY OR CABLE TOOLS

Rotary

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

5544' GL

22. APPROX. DATE WORK WILL START*

As soon as permitted.

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" (New)	24# K-55	300'	372 cu. ft. Class B w/2% CaCl ₂ -circ.
7-7/8"	4-1/2" (New)	10.5# K-55	6500'	Stage 1-554 cu. ft. Class B 50:50 POZ, 6% gel, 2# med tuf plug/sx, and 0.8% FLA. Tail in w/118 cu. ft. Class B Neat-circ. Stage 2-1261 cu. ft. Class B 65:35 POZ, 6% gel, 2# med tuf plug/sx, and 0.8% FLA. Tail in w/118 cu. ft. Class B Neat-circ.

This application to drill an infill Basin Dakota well is pursuant to Order No. R-1670-V approved by the NMOCC on May 22, 1979. This well will qualify under Section 103 of the Natural Gas Policy Act under Order No. R-1670-V. The gas from this well is dedicated to El Paso Natural Gas Co.

Application for an unorthodox location has been approved by the Santa Fe Office of the NMOCB by Administrative Order NSL-1223 dated June 27, 1980.

DV Tool set at 4047'

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.

Original Signed By

SIGNED

D. H. SHOEMAKER

TITLE

District Engineer.

DATE

8-30-82

(This space for Federal or State office use)

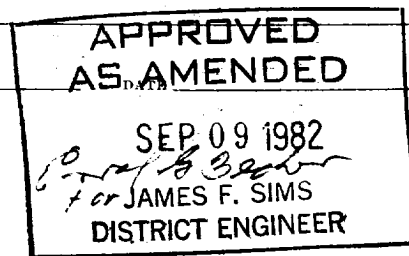
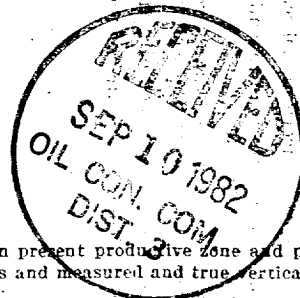
PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



NMOCC

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

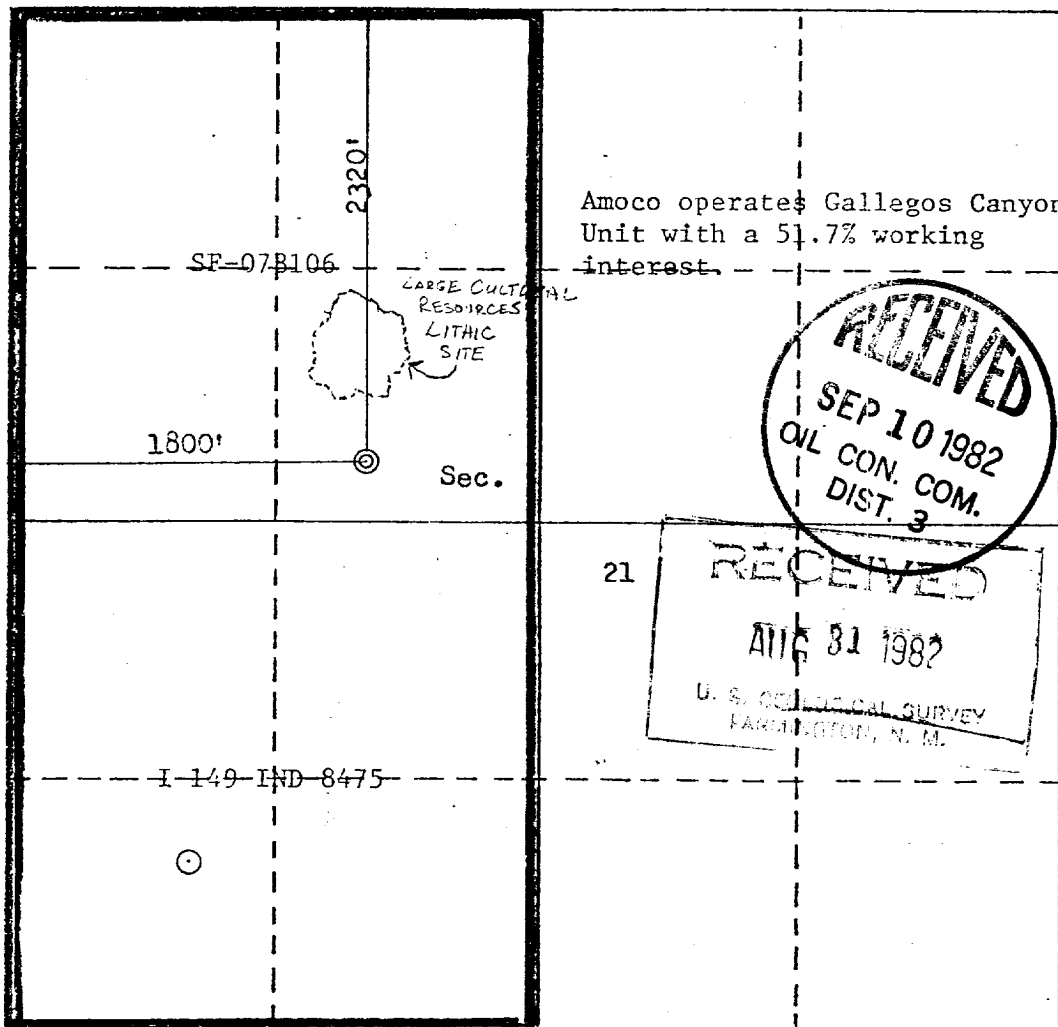
Operator AMOCO PRODUCTION COMPANY			Lease GALLEGOS CANYON UNIT		Well No. 228E
Unit Letter F	Section 21	Township 28N	Range 12W	County San Juan	
Actual Footage Location of Well: 2320 feet from the North line and 1800 feet from the West line					
Ground Level Elev. 5544	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: W 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 Unitization (Gallegos Canyon Unit)

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.

R.A. Downey
Name
R.A. DOWNEY

Position
DISTRICT ENGINEER

Company
AMOCO PRODUCTION COMPANY

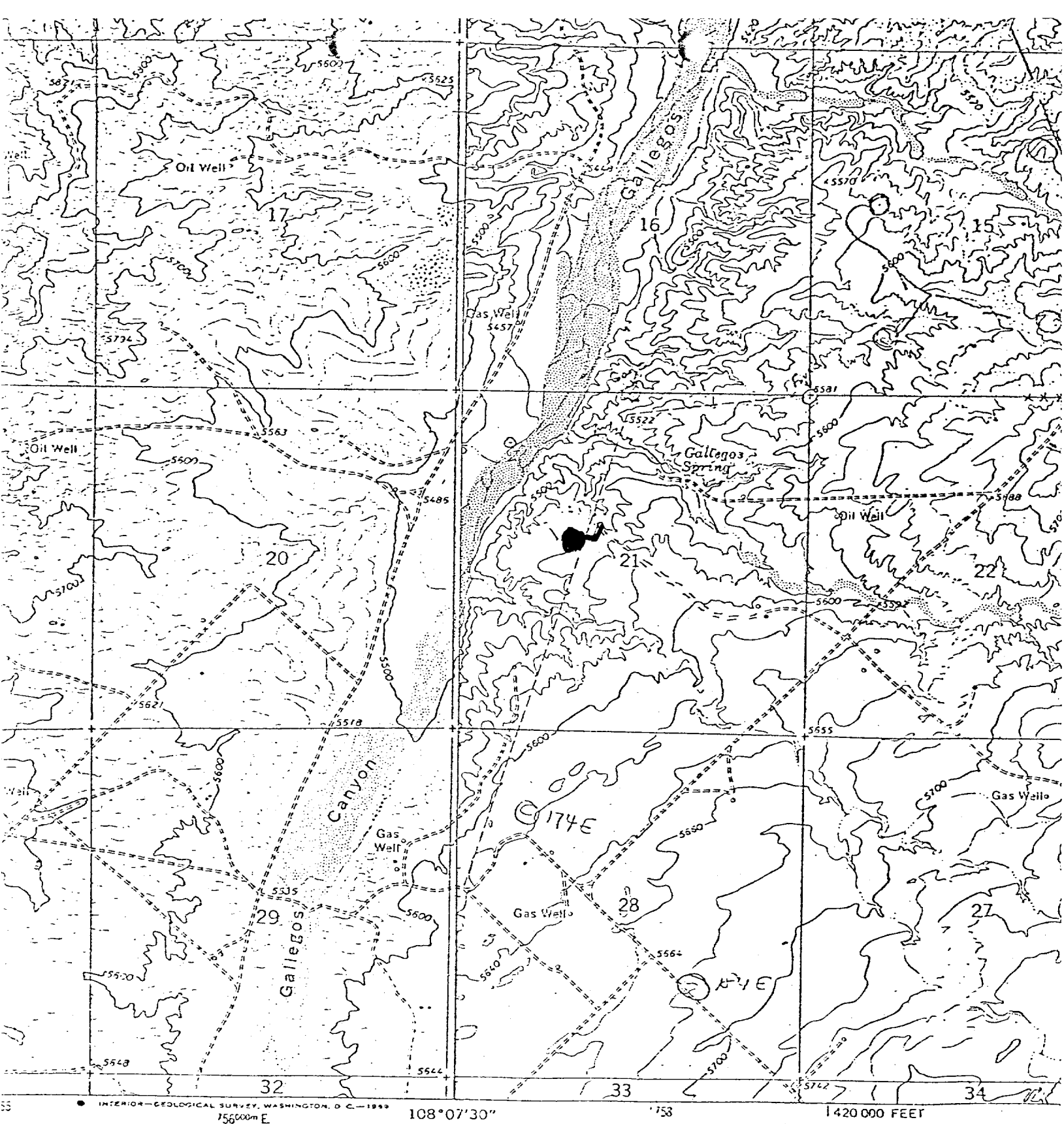
Date
MAY 28, 1980

I hereby certify that the well location shown on this plot 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.

Fred B. Karp Jr.
Date Surveyed
May 20, 1980
Registered Professional Engineer
and/or Land Surveyor
FRED B. KARP JR.

Certificate No.
3950

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600



ROAD C
 Heavy-duty ———
 Medium-duty - - - - -
 U.S. Route

Vicinity Map for
 AMOCO PRODUCTION COMPANY #228E GALLEGOS CANYON UNIT
 2320' FNL 1800' FWL Sec. 21-T28N-R12W
 SAN JUAN COUNTY, NEW MEXICO

Maped, edited, and published by the Geological Survey

FARMINGTON SOUTH, N. MEX.
 N3637.5—W10807.5/7.5

1000 feet based on New Mexico coordinate system,
 1000 feet Universal Transverse Mercator grid ticks,
 zone 12, shown in blue
 Fine red dashed lines indicate selected fence lines

UTM GRID AND
 DECLINATION