

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

31-145-24877  
5. LEASE DESIGNATION AND SERIAL NO.

SE-077382

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

R. P. Hargrave "L"

9. WELL NO.

1E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

NW/4, NW/4, Section 4

T27N, R10W

12. COUNTY OR PARISH 13. STATE

San Juan New Mexico

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

280.56

18. PROPOSED DEPTH

2523.52

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START\*

As soon as permitted

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 Drive, Farmington, New Mexico 87401

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

At surface

1100' FNL and 960' FWL, Section 4, T27N, R10W

At proposed prod. zone

Same

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

8 miles Southeast of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED\*

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

960'

16. NO. OF ACRES IN LEASE

2523.52

18. DISTANCE FROM PROPOSED LOCATION\*

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

3176'

19. PROPOSED DEPTH

6598'

21. ELEVATIONS (Show whether DP, NT, GR, etc.)

6108' GL

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'	300 sx Class B x 20 CaCl <sub>2</sub> -circ
7-7/8"	4-1/2" (New)	10.5# K-55	6598'	1st Stage- 369 sx Cl B 50:50 PCZ
DRILLING OPERATIONS AUTHORIZED ARE				2nd Stage-1069 sx x 6 1/2 gel, 2# med
GENERAL COMPLIANCE WITH ATTACHED				tuf plug/sx, .8%
this application to drill an infill Basin Dakota well is				FLA x 100 sx Cl
pursuant to Order No. R-1670-V approved by the NMOCB on				B Neat (Tail in)
May 22, 1979. This well will qualify under Section 103				circ
of the Natural Gas Policy Act under Order No. R-1670-V.				

The gas from this well is dedicated to Southern Union  
Gas Co.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present production 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.

SIGNED

TITLE District Engineer

DATE October 3, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

24-116-104 for MSL

## OIL CONSERVATION DIVISION

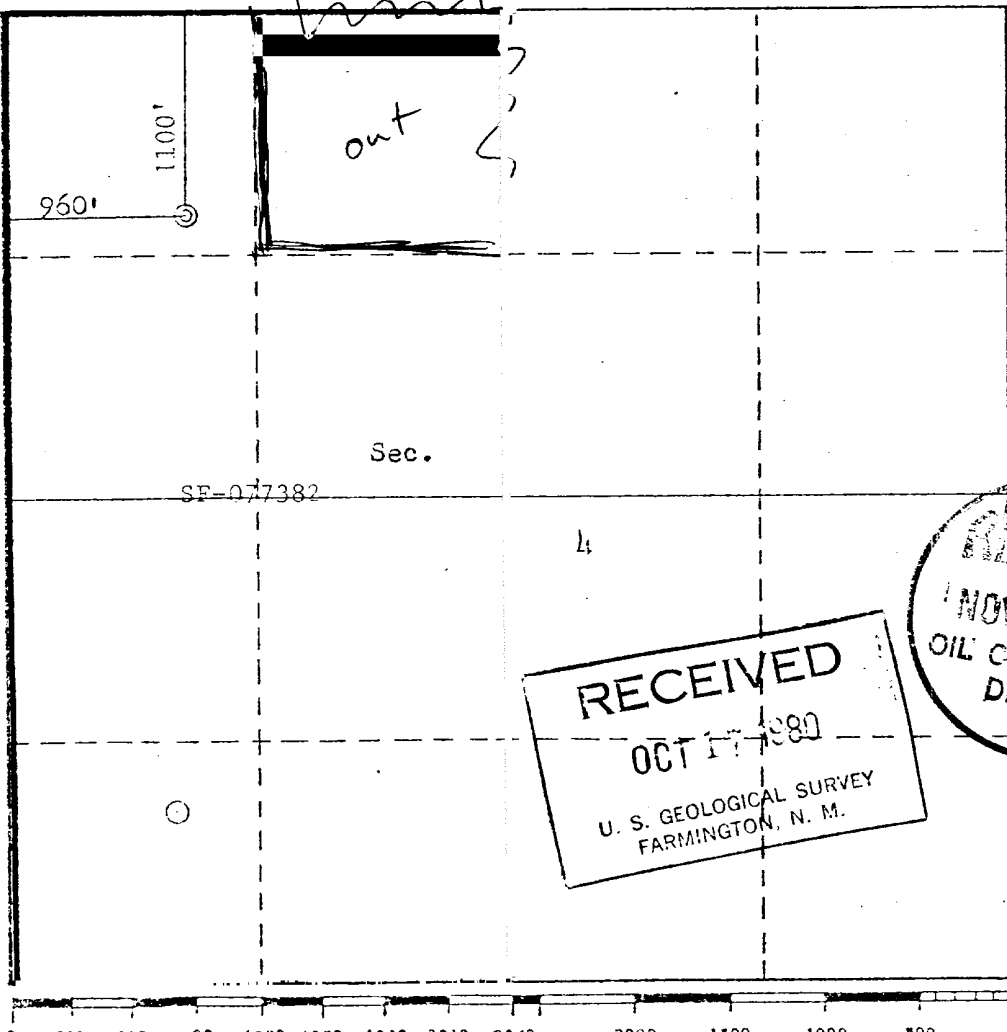
P. O. BOX 2088

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-78

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

Operator <b>AMOCO PRODUCTION COMPANY</b>			Lease <b>R. P. HARGRAVE "L"</b>		Well No. <b>1E</b>
Unit Letter <b>D</b>	Section <b>4</b>	Township <b>27N</b>	Range <b>10W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1100</b> feet from the <b>North</b> line and <b>960</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6108</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>2.25</b> 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>Operating Agreements</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>					
				<b>CERTIFICATION</b>	
				<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>B.E. Fackrell</i></p> <p>Name <b>B.E. FACKRELL</b></p> <p>Position <b>DISTRICT ENGINEER</b></p> <p>Company <b>AMOCO PRODUCTION COMPANY</b></p> <p>Date <b>MAY 20, 1980</b></p> <p>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 are correct to the best of my knowledge and belief.</p> <p>Date Surveyed <b>May 12, 1980</b></p> <p>Registered Professional Engineer and/or Land Surveyor <i>Fred B. Kerr Jr.</i></p> <p>Certificate No. <b>3950</b></p>	



Scale 1:60,000 FEET 235 BLANCO 7

Geological Survey

Map from aerial  
photo 1960

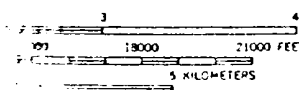
Coordinate system,  
datum

For grid ticks,

UTM GRID AND 1960 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

Vicinity Map for  
AMOCO PRODUCTION CO. #1E R. P. HARGRAVE "L"  
1100'FNL 960'FWL Sec. 4-T27N-R10W  
SAN JUAN COUNTY, NEW MEXICO

DATUM IS MEAN SEA LEVEL



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
GEOLOGICAL SURVEY, DENVER, COLORADO