

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  
 Jack A. Cole

3. ADDRESS OF OPERATOR  
 P.O. Box 191, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface 1740' FNL, 720' FWL  
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 4 miles Northwest Counselor's Trading Post

5. LEASE DESIGNATION AND SERIAL NO.  
 SF - 078362

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Marcus

9. WELL NO.  
 5

10. FIELD AND POOL, OR WILDCAT  
 Lybrook - Gallup

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA  
 Section 6-T23N-R6W

12. COUNTY OR PARISH 13. STATE  
 Rio Arriba NM

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 720'

16. NO. OF ACRES IN LEASE 2567.37

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1 mile

19. PROPOSED DEPTH 5600'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) DRILLING OPERATIONS AUTHORIZED ARE  
 6980' GL SUBJECT TO COMPLIANCE WITH ATTACHED

22. APPROX. DATE WORK WILL START\* May 2, 1985

23. "GENERAL REQUIREMENTS AND CEMENTING PROGRAM" This action is subject to administrative appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0 lb. (SS)	250'	200 sacks
7-7/8"	4-1/2"	10.50 lb. (CS)	5600'	To be determined after logging.

All producing intervals in Gallup Formation will be stimulated as necessary.

EXHIBITS:

- "A" Location and Elevation Plot
- "B" Ten Point Compliance Program
- "C" Blowout Preventor Diagram
- "D" Multi-point Requirements of APD
- "E" Access Road to Location
- "F" Drill Rig Layout
- "G" Fracturing Program Layout
- "H" Location Profile

The gas for this well is committed.  
 The SW $\frac{1}{4}$  NW $\frac{1}{4}$ , Section 6, 40 acres, is dedicated to this well.

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 Dewayne Blancett TITLE Dewayne Blancett/Prod. Supt. DATE March 6, 1985

APPROVED  
AS AMENDED

MAY 01 1985

for M. MILLENBACH  
AREA MANAGER

NMOCC

\*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-107  
Revised 10-1

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

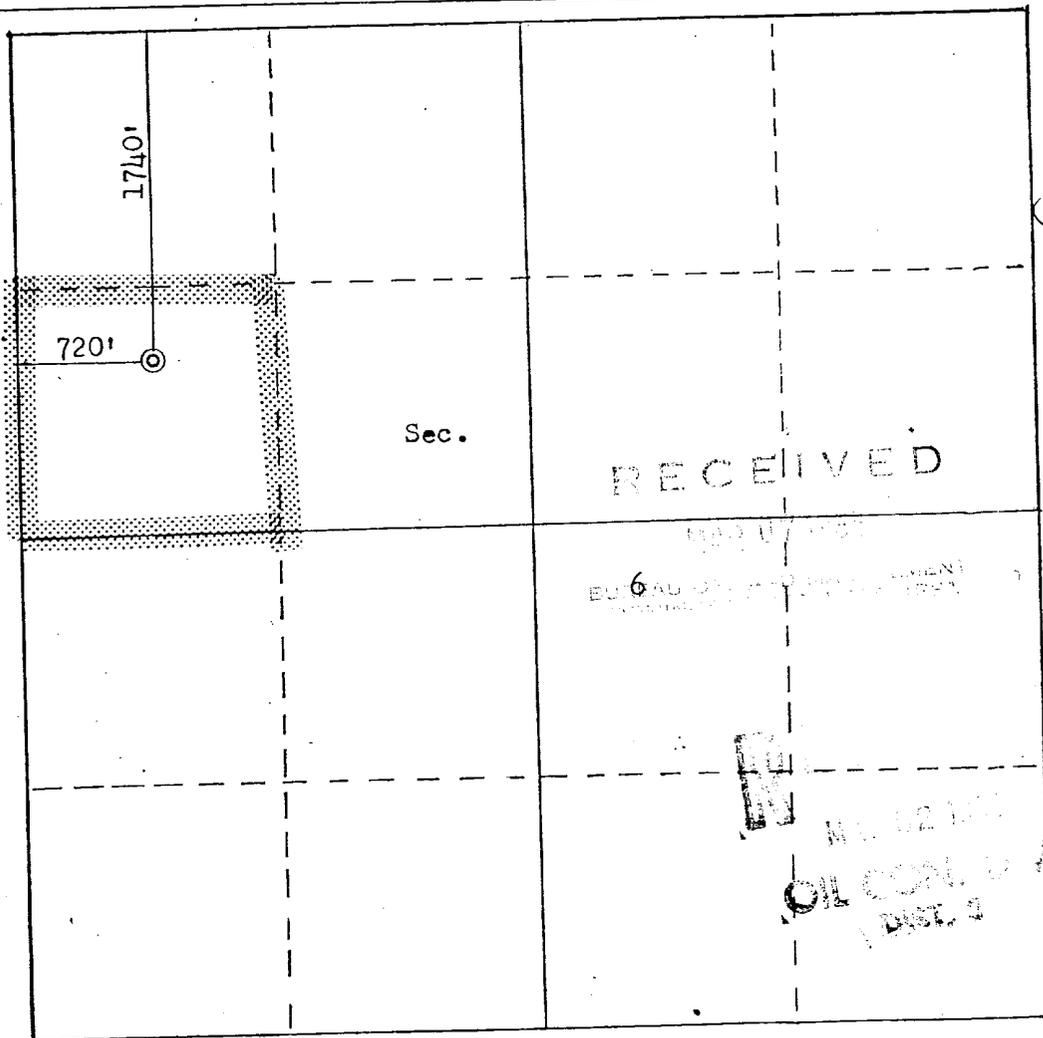
Operator <b>JACK A. COLE</b>		Lease <b>MARCUS</b>		Well No. <b>5</b>
Unit Letter <b>E</b>	Section <b>6</b>	Township <b>23N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>
Actual Footage Location of Well: <b>1740</b> feet from the <b>North</b> line and <b>720</b> feet from the <b>West</b> line				
Ground Level Elev: <b>6980</b>	Producing Formation <b>Gallup</b>	Pool <b>Lybrook - Gallup</b>	Dedicated Acreage: <b>40</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Dewayne Blancett*  
Name  
Dewayne Blancett

Position  
Production Superintendent

Company  
Cole Production Company

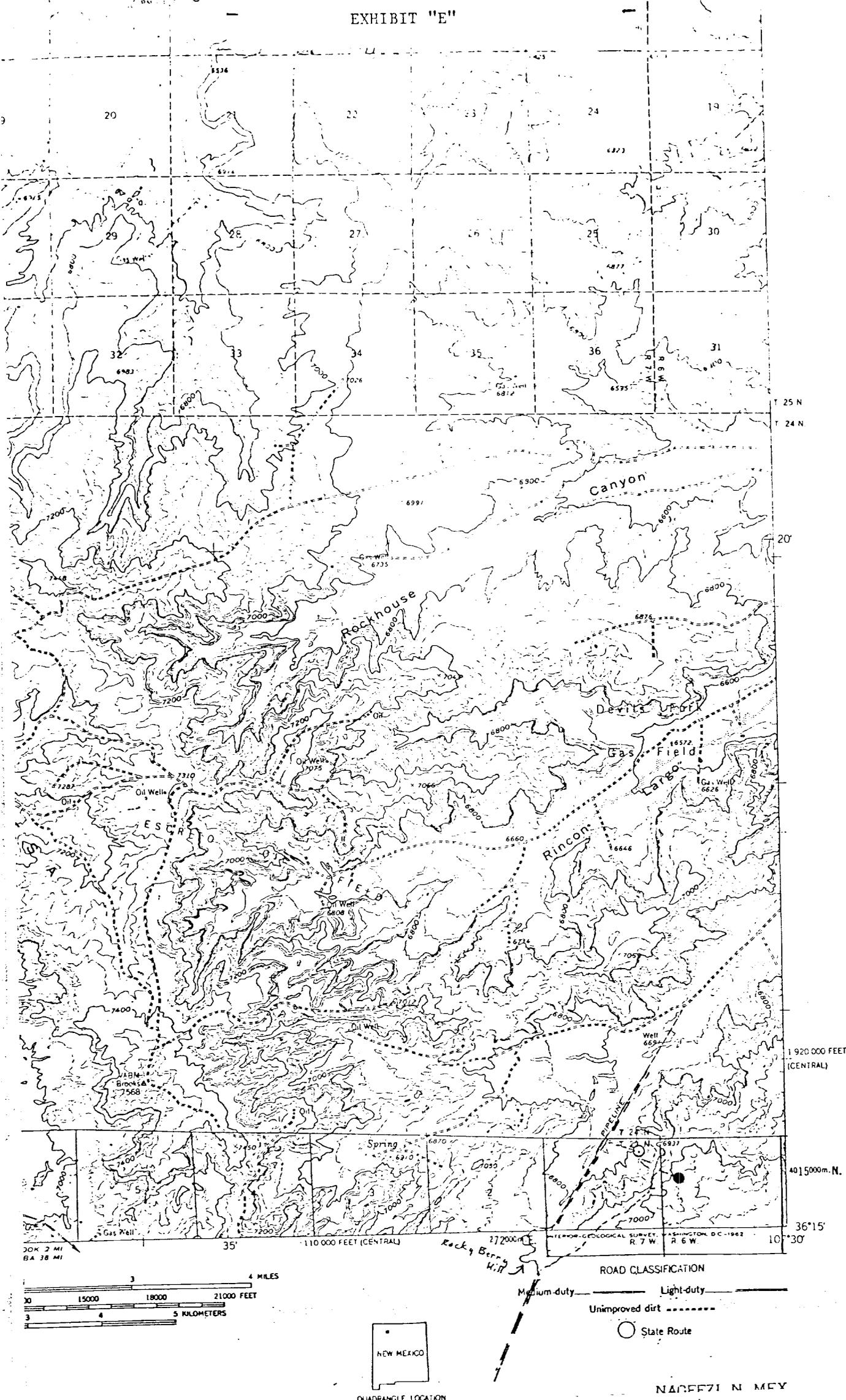
Date  
March 6, 1985

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  
March 6, 1985  
Registered Professional Engineer and Land Surveyor  
Fred B. Kerr, Jr.  
Certificate No. 3950

Scale: 1"=1000'

EXHIBIT "E"



STANDARDS  
 WASHINGTON 25, D.C.  
 AVAILABLE ON REQUEST

Vicinity Map for  
 JACK A. COLE #5 MARCUS  
 1740'FNL 720'FWL Sec. 6-T23N-R6W  
 RIO ARRIBA COUNTY, NEW MEXICO

NACFF71 N MEY