

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

1880' FSL

930' FEL

At proposed prod. zone Same

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

8 Miles NW Counselors Trading Post

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

16. NO. OF ACRES IN LEASE
80

17. NO. OF ACRES ASSIGNED
TO THIS WELL
E 80

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

19. PROPOSED DEPTH
5950

20. ROTARY OR CABLE TOOLS
Rotary

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

7008' GR 7082

7110' KB

DRAINAGE OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

22. APPROX. DATE WORK WILL START*
November 10, 1988

PROPOSED CASING AND CEMENTING PROGRAM

This column is subject to technical and
procedural review pursuant to 43 CFR 3103.3
and applicable State regulations.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8"	24.0 lb. J-55	250	250 sacks 295 ft.
7 7/8	4 1/2"	10.50 lb. K-55	5950	875 sacks
				Volumes to be calculated after logging.

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

Exhibits:

- "A" Location and elevation plat
- "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
- "I" Pipeline R.O.W.

The gas for this well is committed.

RECEIVED
DECI 2 1988

OIL CON. DIV.

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 James E. Blum

TITLE Production Superintendent

DATE September 23, 1988

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-102
Revised 10-1-78STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

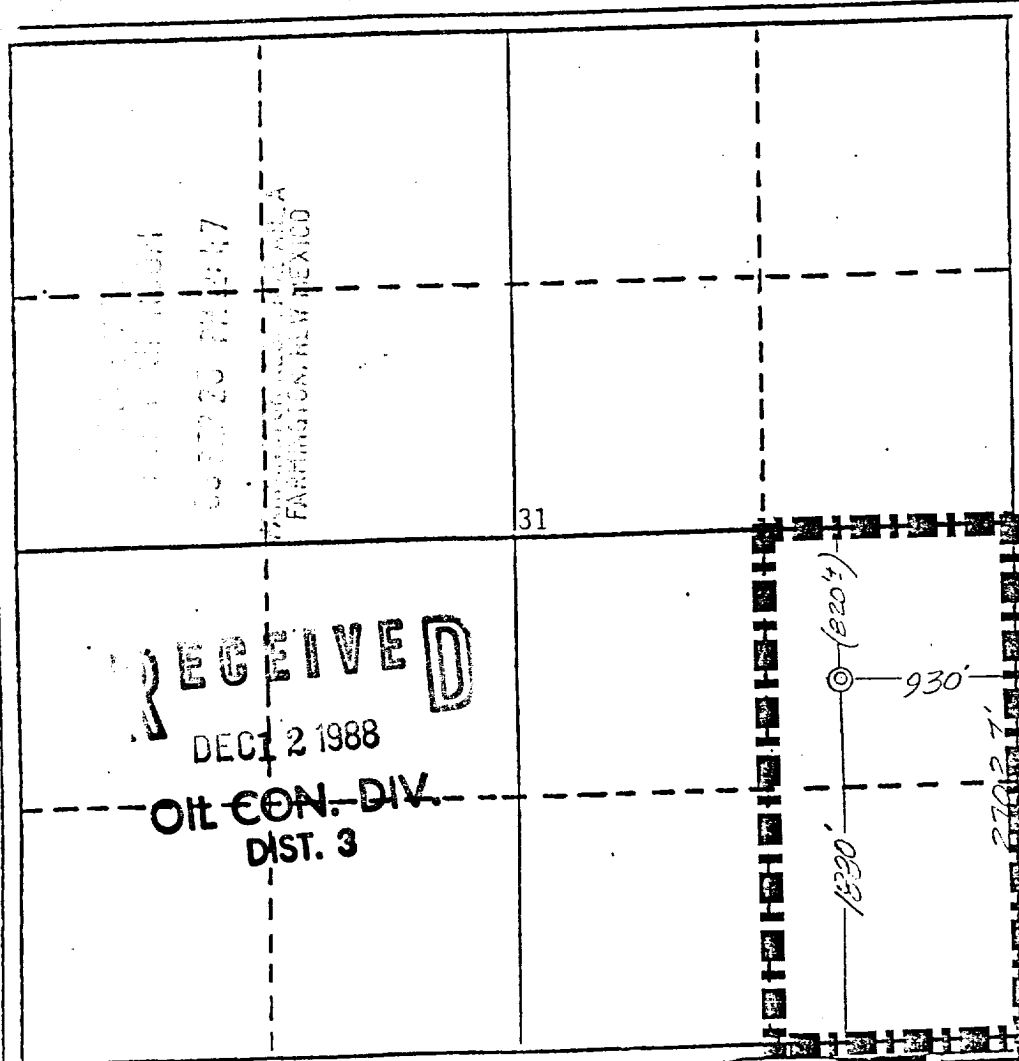
Owner JACK A. COLE		Lease MARCUS B		Well No. # 1	
Well Letter I	Section 31	Township 24 NORTH	Range 6 WEST	County RIO ARRIBA	
Actual Footage Location of Wells 1880 feet from the SOUTH line and 930 feet from the EAST line					
Ground Level Elev. 7082	Producing Formation GALLUP	Pool ESCRITO EXT	Dedicated Acreage 80 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.



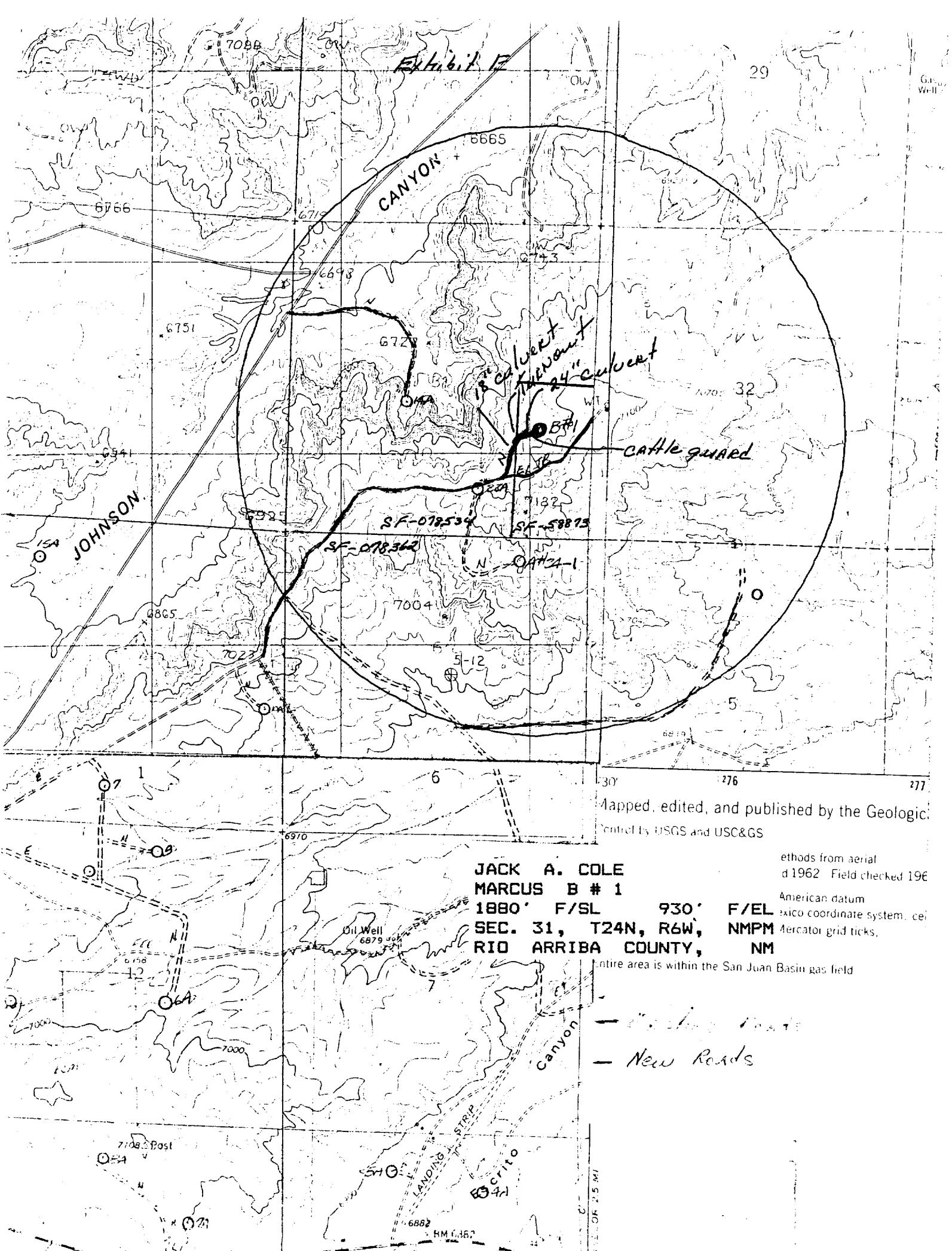
CERTIFICATION

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

Name
Production Superintendent
Position
Jack A. Cole
Company
September 23, 1988
Date

I hereby certify that the 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
July 29, 1988
Registered Professional Engineer
and/or Land Surveyor
Gary D. Vann
Certificate No.
7016



Maped, edited, and published by the Geologic
Control by USGS and USC&GS

JACK A. COLE
MARCUS B # 1
1880' F/SL 930' F/EL
SEC. 31, T24N, R6W, NMPM
RIO ARRIBA COUNTY, NM
entire area is within the San Juan Basin gas field

— Existing Roads
— New Roads