

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYAPI 30-039-21194  
5. LEASE DESIGNATION AND SERIAL NO.

## 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 87401

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

At surface 790/S and 790/W Sec 22-T24N-R4W

At proposed prod. zone

Same

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

70 Miles Southwest Bloomfield, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

790'

## 16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

3500'

## 19. PROPOSED DEPTH

3000'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6941 Gr.

## 22. APPROX. DATE WORK WILL START\*

March 20, 1976

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

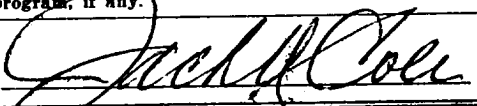
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0	120'	Circulate
7 7/8	4 1/2	10.5	3000'	150 Sacks

Well will be mud drilled to total depth after setting and cementing 8 5/8" surface casing. Run electric logs at total depth and set 4 1/2" casing if warranted, cementing same with 150 sacks. Sand-water frac treat down casing and complete as Pictured Cliffs gas 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



TITLE Operator

DATE March 4, 1976

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



21

# NEW MEXICO OIL CONSERVATION COMMISSION

## WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

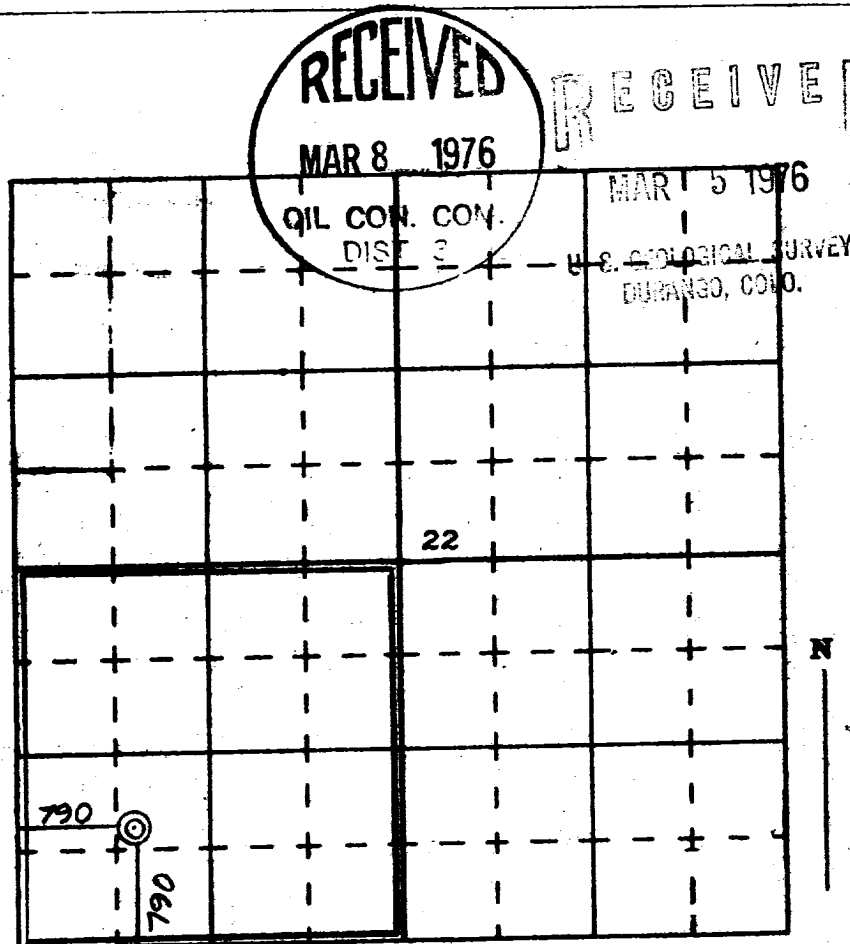
Operator <b>JACK A. COLE</b>			Lease <b>BURRO CANYON</b>		Well No. <b>8</b>
Unit Letter <b>M</b>	Section <b>22</b>	Township <b>24 NORTH</b>	Range <b>4 WEST</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> <span><b>790</b> feet from the <b>SOUTH</b> line and</span> <span><b>790</b> feet from the <b>WEST</b> line</span> </div>					
Ground Level Elev. <b>6941</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <i>South Blanco ext</i>	Dedicated Acreage: <b>160</b> 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 One Lease Only

If answer is "no," list the owners and tract descriptions which have actually 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

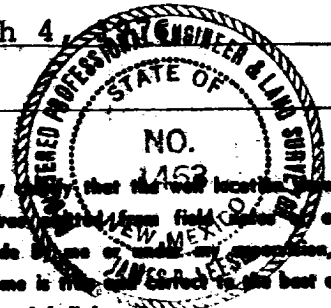
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Jack A. Cole*  
 Name Jack A. Cole  
 Position Operator

Company

Date March 4,

Date



I hereby certify that the well location shown on this plat was located from field notes and 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.

**26 February 1976**

Date Surveyed

*James P. Leese*  
 Registered Professional Engineer  
 and/or Land Surveyor **James P. Leese**

**1463**

Certificate No.

**JACK A. COLE**  
PETROLEUM GEOLOGIST  
P. O. BOX 191  
FARMINGTON, NEW MEXICO 87401

325-3616

March 5, 1976

United States Department of Interior  
Geological Survey-Durango District  
P. O. Box 1809  
Durango, Colorado 81301

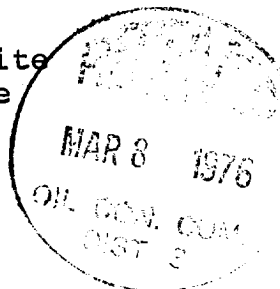
Attention: Mr. Jerry Long  
District Engineer

Reference: 12 Point Environmental Program-Jack A. Cole-  
Burro Canyon No. 3, SW $\frac{1}{4}$  Sec. 22-T24N-R4W,  
Rio Arriba County, New Mexico

Gentlemen:

In compliance with governmental requirements, I hereby respectfully submit the following environmental data to accompany the application for permit to drill the above referenced test well.

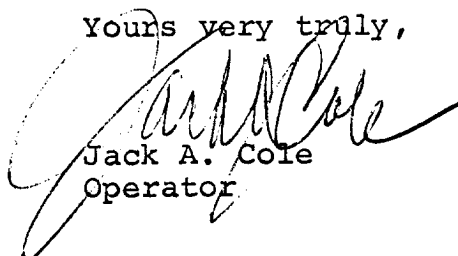
1. Access to location from N.M. Highway 44 at intersection of N.M. 44 and N.M. 537, approximately 70 miles southwest of Bloomfield, New Mexico, then proceed north of N.M. 537 approximately 150 feet to location, as indicated by the attached vicinity maps.
2. Existing highway to be utilized to within 150' of drillsite from which point a minimum width graded access road to be prepared to drillsite.
3. Well location as shown on attached survey plat and map.
4. Lateral road to well location as described in Item 2.
5. If gas production established, adequate production facilities to be installed immediately west of wellsite to accomodate a pipeline connection.
6. Water will be trucked to location from nearest source, a water hole located in SE $\frac{1}{4}$  Sec. 9, T24N, R4W, via existing roads.



MAR 7 1976

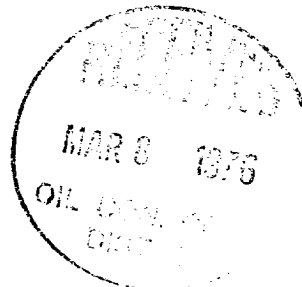
7. A reserve pit will be utilized for waste disposal. Trash will be buried 4 feet below surface.
8. No camps are planned.
9. No airstrips are planned.
10. Location layout indicated on attached plat.
11. Following drilling, mud pits to be fenced and allowed to dry, then filled with surface soil previously evacuated. Location, except for wellhead site and production equipment, to be restored to original condition as much as practicable.
12. The location is located in an area of relatively rugged topography consisting of mesa-butte-valleys, approximately 2 miles south of Largo Canyon. No major rivers are in the immediate vicinity.

Yours very truly,

  
Jack A. Cole  
Operator

JAC:njs

Enclosures



Location Layout  
Jack A. Cole  
Burro Canyon No. 3

Sec. 22-T24N-R4W

WATER TANK  
550 BBLS.  
12' X 35'

FUEL  
TANK  
8' X 15'

OIL RACK  
8' X 15'

DOG  
HOUSE  
8' X 12'

H-37 IDECO  
10' X 40'

SUB  
8' X 20'

FXK PUMP  
10' X 25'

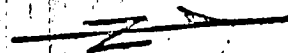
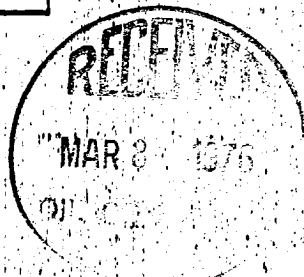
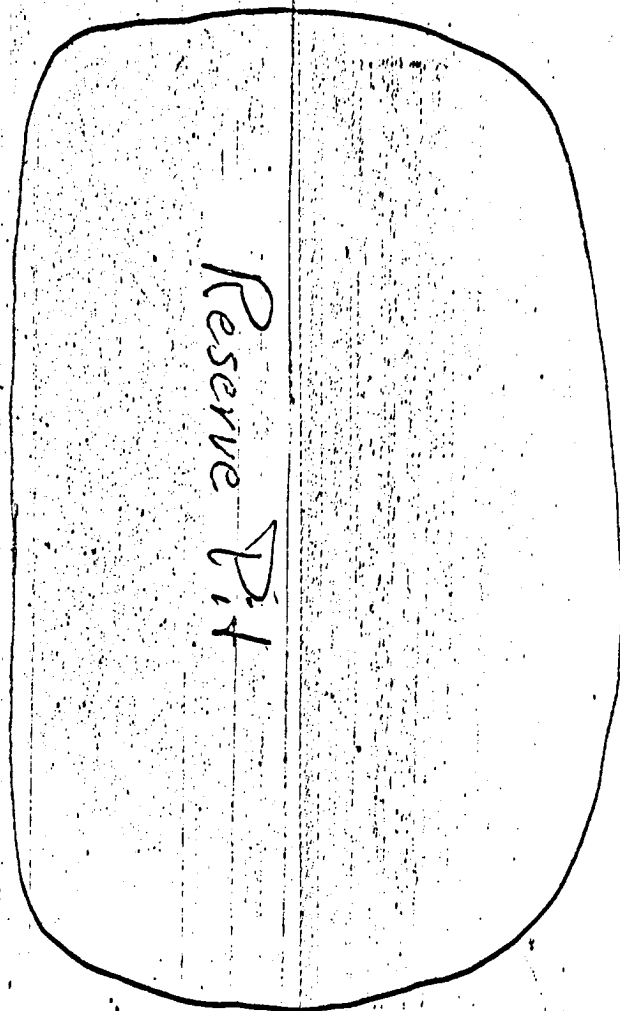
350 BBLS. MUD PIT  
8' X 55'

PIPE RACKS

PIPE BASKET & CATWALK  
8' X 45'

PIPE BASKET  
8' X 35'

PIPE RACKS



100'

50'



JACK A. COLE  
PETROLEUM GEOLOGIST  
P. O. BOX 191  
FARMINGTON, NEW MEXICO 87401

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JACK A. COLE  
BURRO CANYON #3  
SW $\frac{1}{4}$  Sec. 22-T24N-R4W  
Rio Arriba County, N. M.

*pic #363*

Seven Point Well Control Program

1. Surface Casing.  
See Application for Permit to Drill.
2. Spools and Flanges.  
A. Surface Casing - 10", Series 600, 1500 psi W.P.  
B. Production, 10", Series 600, 1500 psi W.P.  
C. Tubing Head - Series 600, 1500 psi W.P.
3. Intermediate Casing.  
None
4. Blowout Preventers  
Production Hole - 10", 3000 psi  
Fill, kill and choke manifold - 5000 psi.W.P.
5. Additional Equipment (If necessary)  
A. Kelly Cock  
B. Bit Float  
C. Degasser  
D. Pit Level Indicator  
E. Sub with Valve for  
drill pipe.
6. Anticipated Bottom Hole Pressure.  
1000 psi. Current mud program is for 9.2 lb./gal mud with  
hydrostatic head of 1500 psi at 3000 feet. Mud weight will  
be increased if necessary for higher pressures.
7. Drilling Fluid.  
Low solids. Low water loss.

