

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

API 30-039-21220

5. LEASE DESIGNATION AND SERIAL NO.

Contract 363

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Burro Canyon

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Wildcat Ballard Ext

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

F Sec. 21-T24N-R4W

12. COUNTY OR PARISH 13. STATE

Rio Arriba N. M.

## 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

1850/N and 1850/W Sec. 21-T24N-R4W

At proposed prod. zone

Same

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

70 miles southwest of Bloomfield, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

1850'

## 16. NO. OF ACRES IN LEASE

2560

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.

3000'

## 19. PROPOSED DEPTH

3000'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6858 Gr. 6868 D.F.

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

June 15, 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 completed 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 conditions and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Jack A. Cole*

TITLE

Operator

DATE

May 17, 1976

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

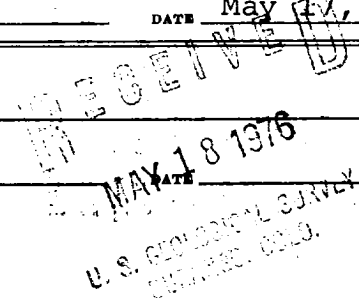
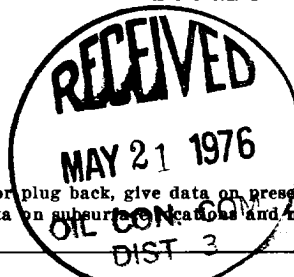
APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*alal*

\*See Instructions On Reverse Side



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

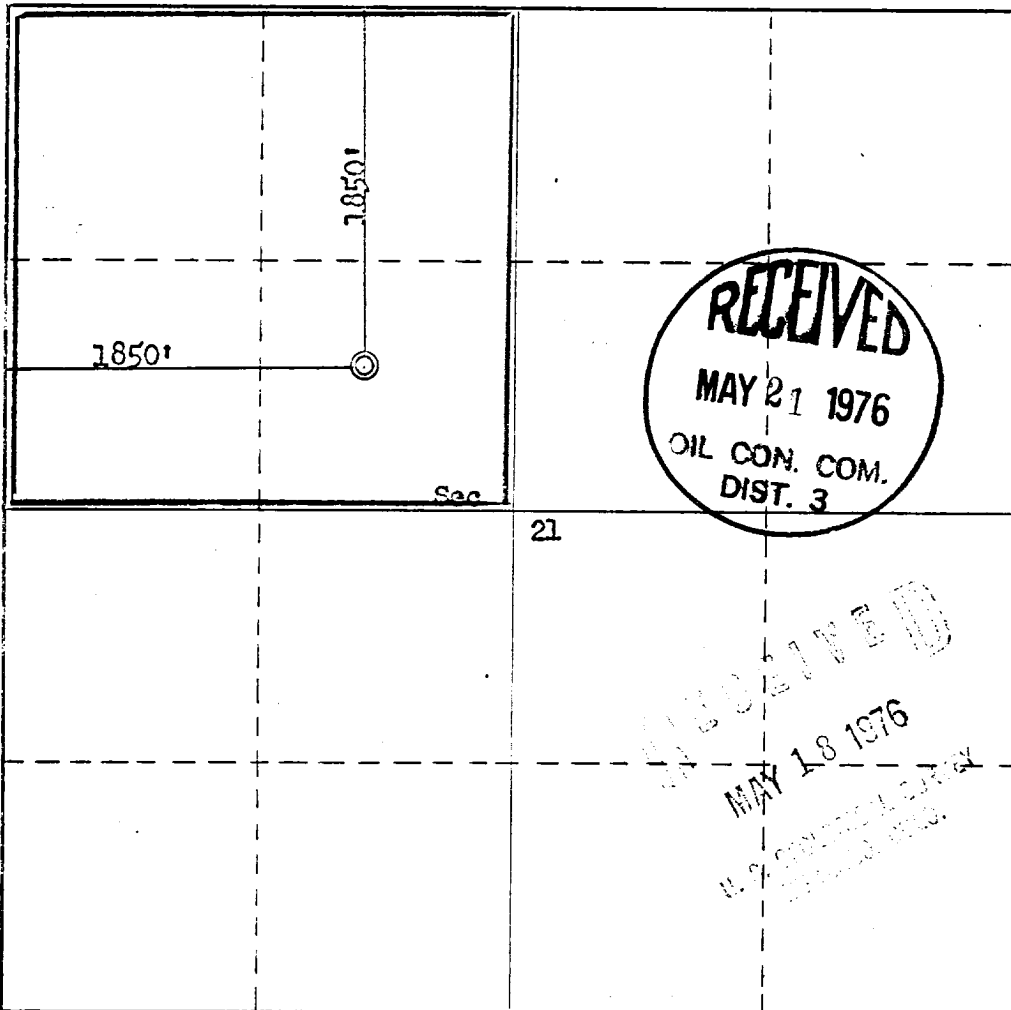
Operator <b>Jack A. Cole</b>			Lease <b>Barro Canyon</b>		Well No. <b>0</b>
Unit Letter <b>F</b>	Section <b>21</b>	Township <b>25N</b>	Range <b>4W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1850'</b> feet from the <b>North</b> line and <b>1850'</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6858</b>	Producing Formation <b>Pictured Cliffs</b>		Pool <b><del>Widdowson</del> Ballard ext</b>	Dedicated Acreage: <b>160</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.

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

Date  
**May 17, 1976**

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  
**May 10, 1976**  
Registered Professional Engineer and/or Land Surveyor  
**Fred B. Kerr Jr.**  
Certificate No.  
**3950**

330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

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

May 17, 1976

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

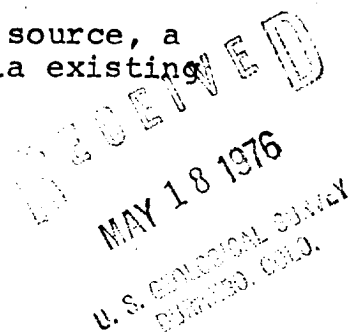
Attention: Mr. Jerry Long  
District Engineer

Reference: 12 Point Environmental Program - Jack A. Cole -  
Burro Canyon #8, 1850/N & 1850/W, Sec. 21-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.

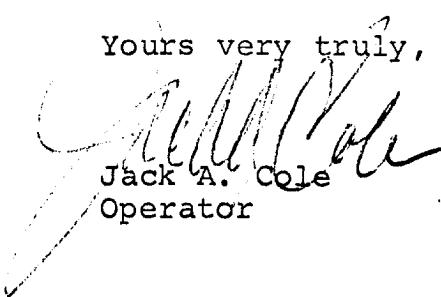
1. Access to location from N.M. Highway 44 at intersection of N.M. 44 and N.M. 537, approximately 70 miles southwest of Bloomfield, New Mexico, then proceed north on N.M. 537 approximately 11 miles, turn left down an existing road about  $\frac{1}{2}$  mile, then left down a pipeline rightaway to the location.
2. Existing road 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 accommodate 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.



United States Department of Interior  
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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.

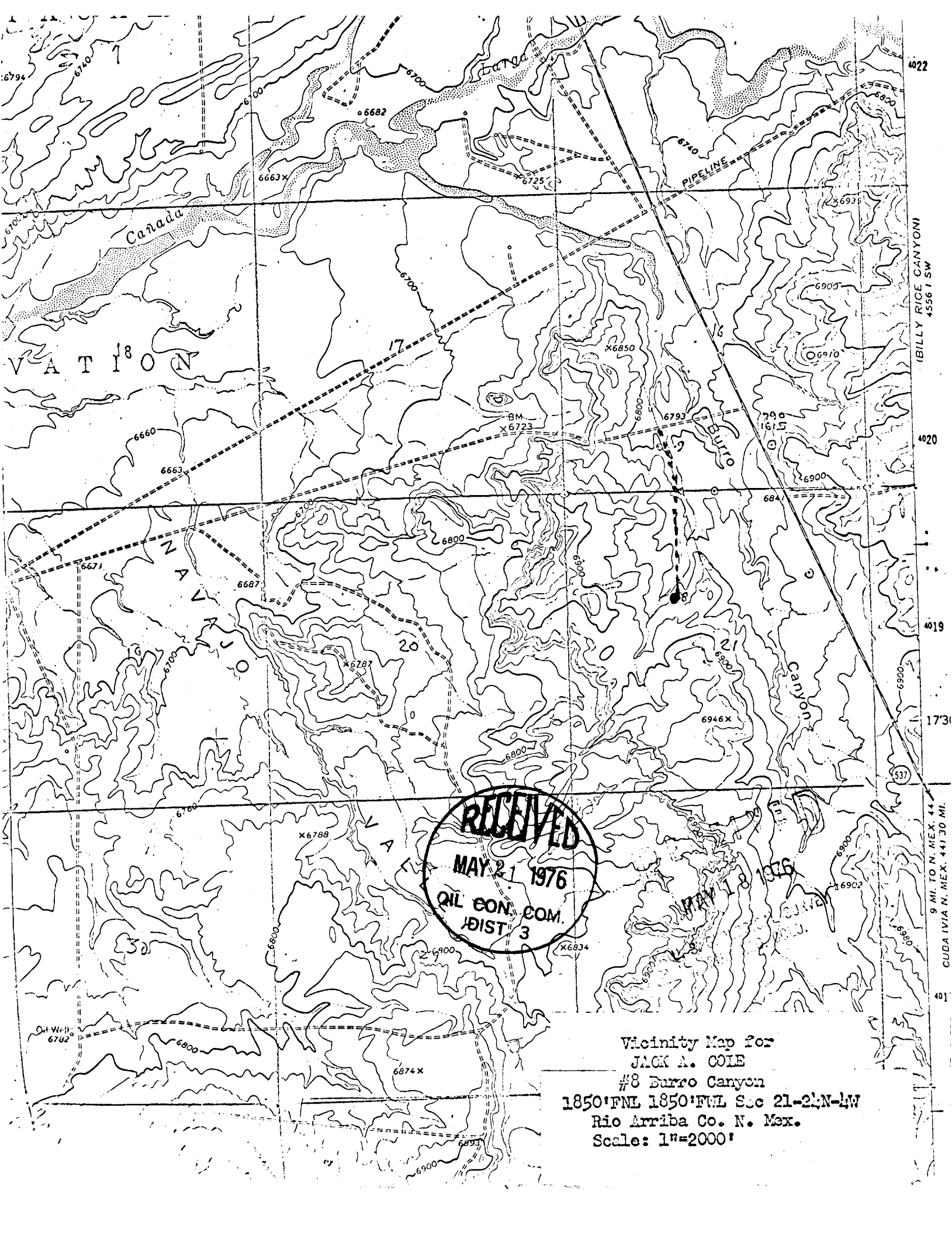
Yours very truly,

  
Jack A. Cole  
Operator

JAC:njs

Enclosures

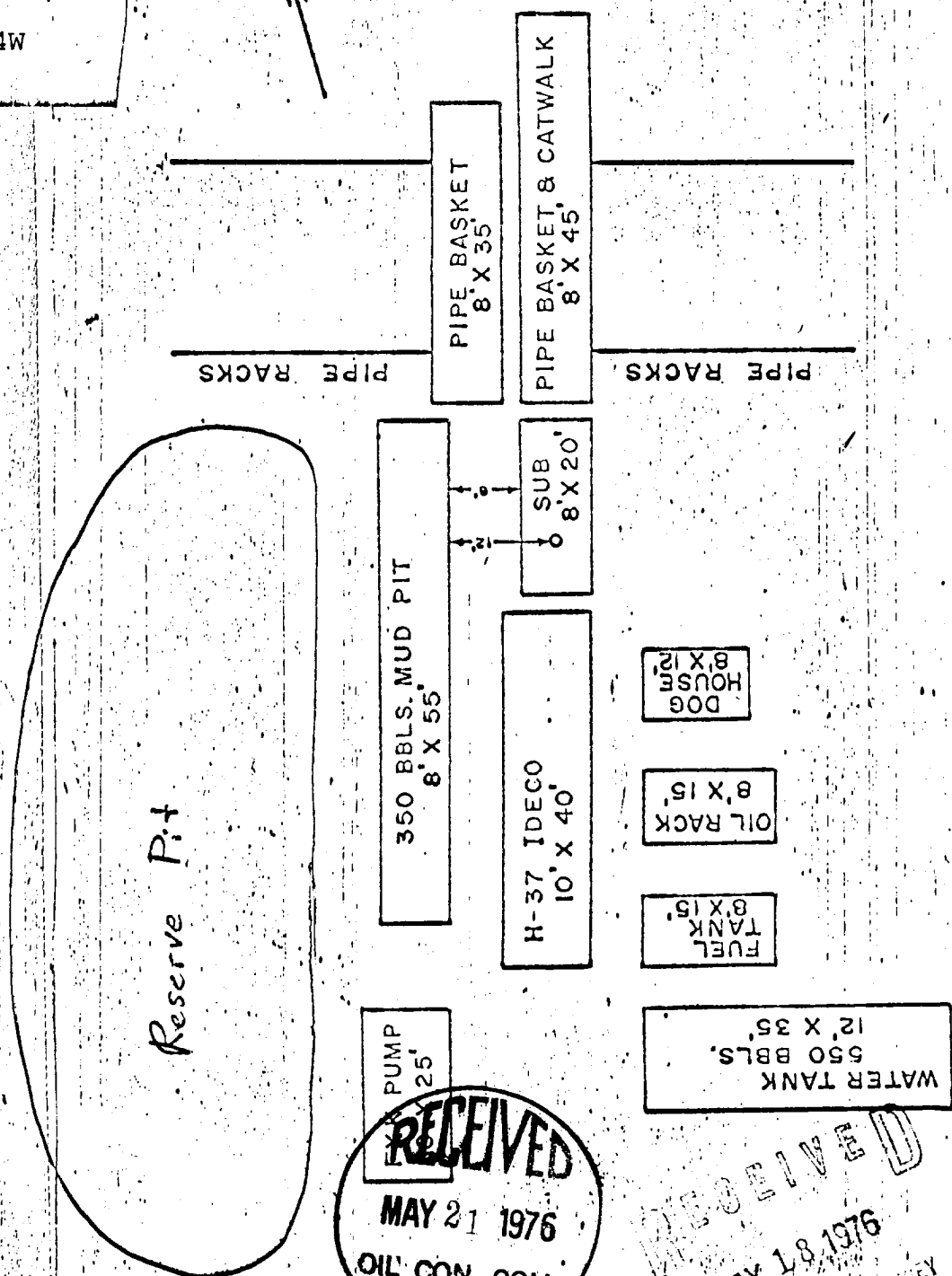




RECEIVED  
MAY 21 1976  
OIL CON. COM.  
DIST. 3

Vicinity Map for  
JACK A. COLE  
#8 Burro Canyon  
1850' FNL 1850' FNL Sec 21-24N-4W  
Rio Arriba Co. N. Mex.  
Scale: 1"=2000'

Location Layout  
Jack A. Cole  
Burro Canyon #8  
Sec. 21-T24N-R4W



RECEIVED  
MAY 21 1976  
OIL CON. COM.  
DIST. 3

Aztec Well Service  
Rig No. 1

RECEIVED  
MAY 18 1976  
U. S. CONVEYANCE  
DIST. 3

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

JACK A. COLE  
BURRO CANYON # 8  
1850/N and 1850/W Sec. 21-T24N-R4W  
Rio Arriba County, N. M.

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.

