

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY *APT 30-039-21219*

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 1570/W Sec. 16-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 drg. unit line, if any)

790'

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.)

6798 Gr. 6808 DF

22. APPROX. DATE WORK WILL START*

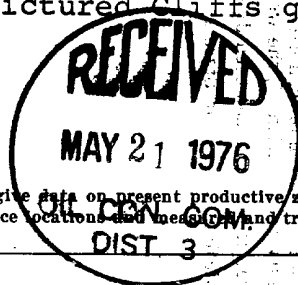
June 20, 1976

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.



Gas not dedicated

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

Jack A. Cole

TITLE Operator

DATE May 17, 1976

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

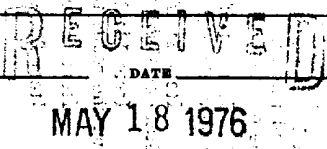
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OK

SK



*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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

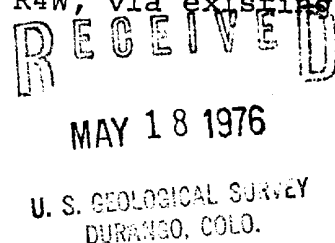
Attention: Mr. Jerry Long
District Engineer

Reference: 12 Point Environmental Program - Jack A. Cole -
Burro Canyon #9, 790/S & 1570/W, Sec. 16-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.

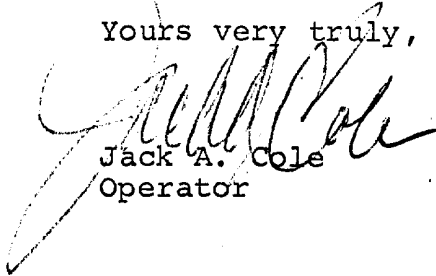
1. Access to location from N.M. Highway 44 at intersection of N.M. 44 and N.M. 537, approximately 70 miles southwest of Bloomfield, New Mexico, then proceed north on N.M. 537 approximately 11 miles, turn left down an existing road about $\frac{1}{2}$ mile, then left down a pipeline rightaway to the location.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



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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



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.

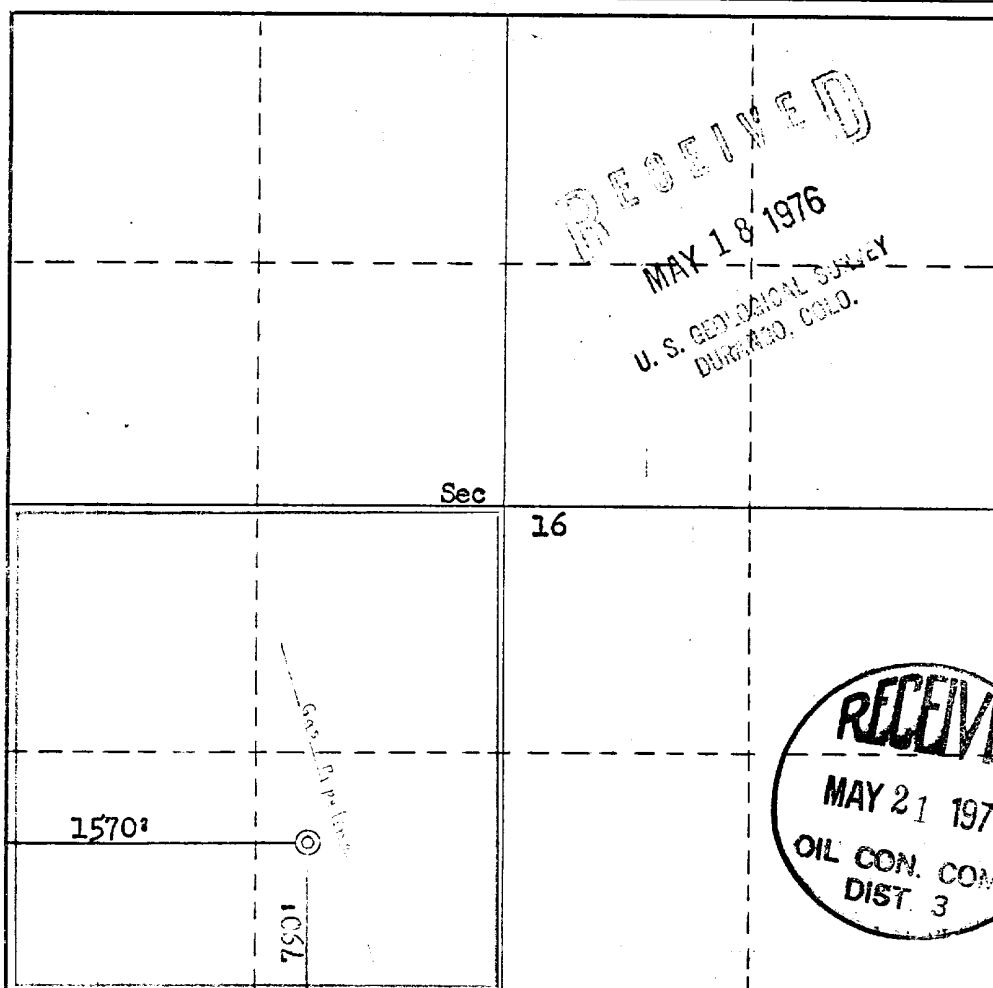
Operator Jack A. Cole			Lease Barro Canyon		Well No. 9
Unit Letter N	Section 16	Township 24N	Range 4W	County Rio Arriba	
Actual Footage Location of Well:					
790 feet from the South line and 1570 feet from the West line					
Ground Level Elev. 6798	Producing Formation Pictured Cliffs	Pool South Blanco est. wildcat	Dedicated Acreage: 160 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.

Original signed by **Jack A. Cole**

Name
Jack A. Cole

Position
Operator

Company

Date
May 17, 1976

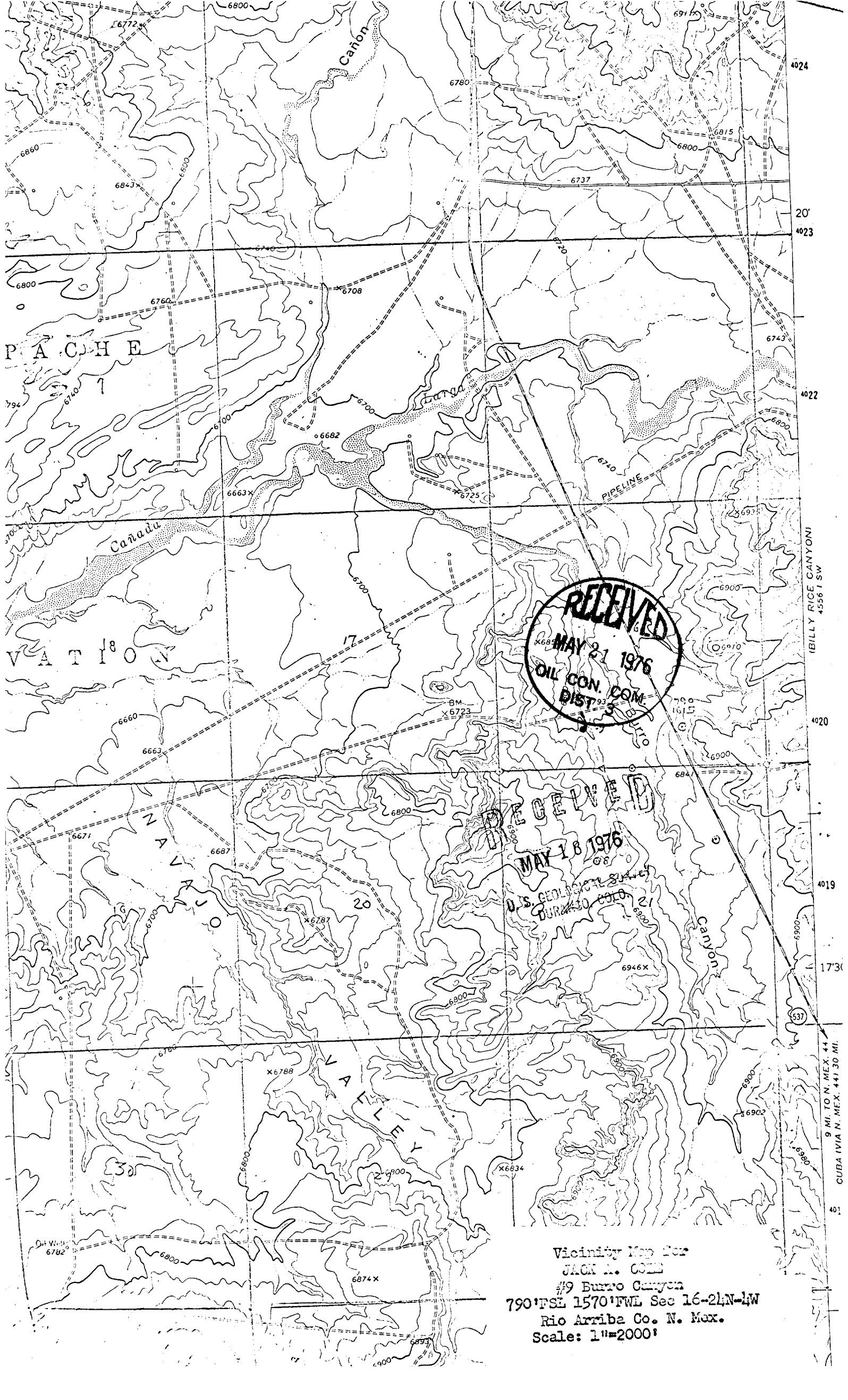
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
May 10, 1976
Registered Professional Engineer
and/or Land Surveyor

Fred B. Kern Jr.
Certificate No.

3950

330 660 90 1320 1650 1980 2310 2640 2000 1500 1000 500 0



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OIL CON. COM.
DIST. 3

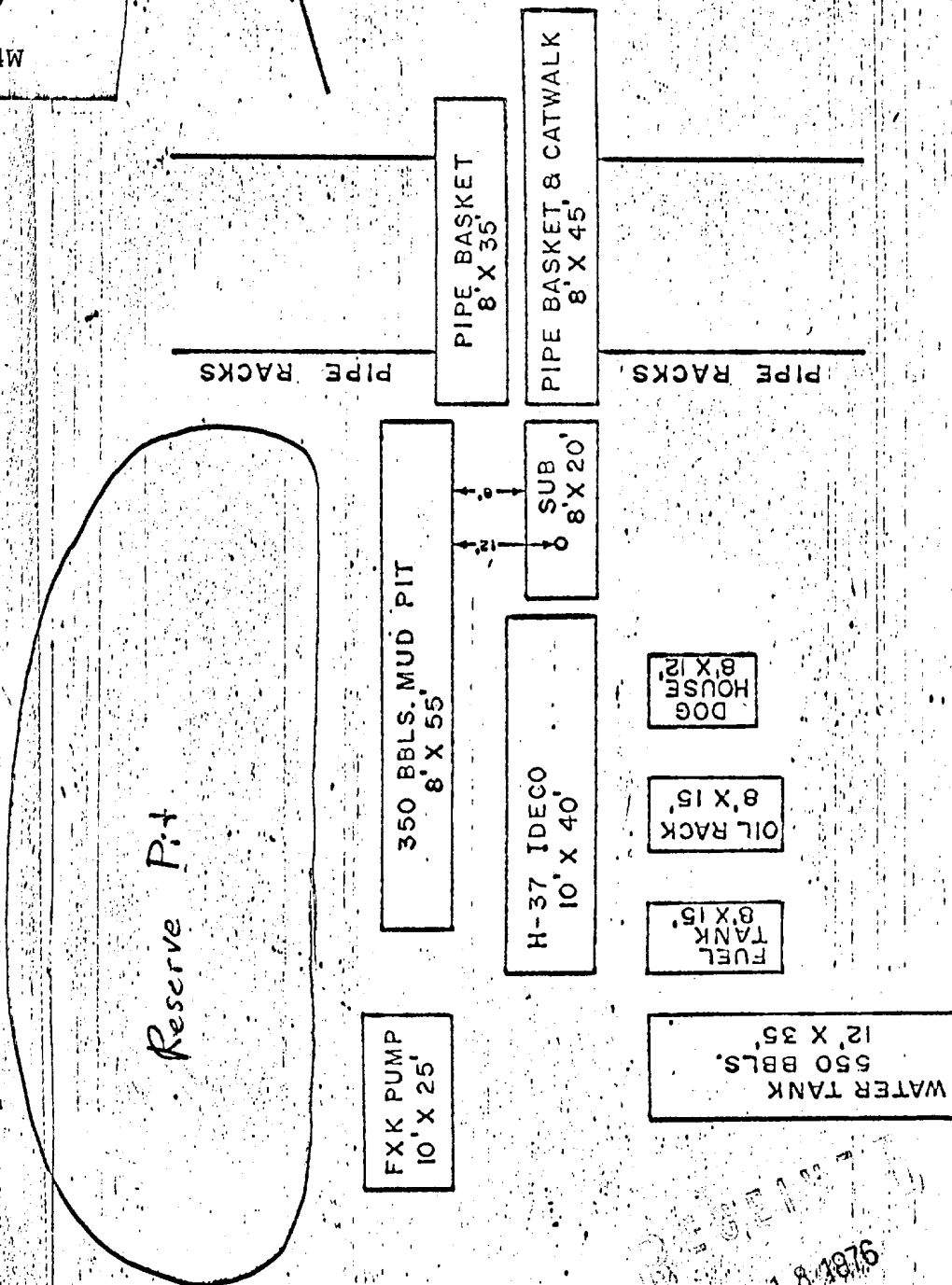
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DURANGO, COLO.

Vicinity Map for
JACK A. COLE
#9 Burro Canyon
790' TSL 1570' FWL Sec 16-24N-4W
Rio Arriba Co. N. Mex.
Scale: 1"=2000'

(BILLY RICE CANYON)
4556' 1 SW

9 MI. TO N. MEX. 44
CUBA (VIA N. MEX. 44) 30 MI.

Location Layout
 Jack A. Cole
 Burro Canyon #9
 Sec. 16-T24N-R4W



Aztec Well Service
 Rig No. 1

MAY 18 1976
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 DURANGO, COLO.

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

JACK A. COLE
BURRO CANYON #9
790/S and 1570/W Sec. 16-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.

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