

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 1615/E Sec. 16-T24N-R4W, NMPM

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 Feet

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.

650 Feet

19. PROPOSED DEPTH

3000'

20. ROTARY OR CABLE TOOLS

Rotary

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

6873 GR., 6884 D.F.

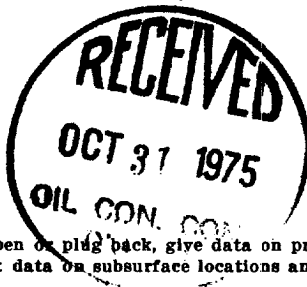
22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10 3/4	8 5/8	24.0	150'	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 (above Ojo Alamo). Sand-water frac treat down casing and complete as Pictured Cliffs gas well.

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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.

Original signed by Jack A. Cole

SIGNED

TITLE

Operator

DATE October 29, 1975

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*OK**St.*

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes O.C.C. Form No. 14-1

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

Operator JACK COLE		Lease JICARILLA		BURRO CANYON		Well No. 1
Unit Letter 0	Section 16	Township 24 NORTH	Range 4 WEST	County RIO ARRIBA		

Actual Footage Location of Well:
790 feet from the **SOUTH** line and **1615** feet from the **EAST** line.
 Ground Level Elev. **6873** Producing Formation **PICTURED CLIFF** Pool **South Blanco PC ext** Dedicated Acreage **160**

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? **One Lease.**

☐ 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

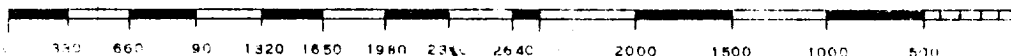
Date
October 29, 1975

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 of Survey
24 October 1975

Field Agent
James P. Loese
James P. Loese

Certificate No. **1463**



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

October 29, 1975

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

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Attention: Mr. Jerry W. Long
District Engineer

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

Reference: 12 Point Environmental Program - Jack A. Cole -
Burro Canyon No. 1, SW $\frac{1}{4}$, SE $\frac{1}{4}$, 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 south of Farmington, New Mexico, then proceed north on N.M. 537 approximately 300 feet to location, as indicated by the attached vicinity maps.
2. Existing roads to be utilized to within 300' 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, T-24N-R4W, via existing roads.
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 as furnished by Signal Drilling Company.
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 immediately vicinity.

Yours very truly,

Original signed by Jack A. Cole

Jack A. Cole
Operator

JAC:njs

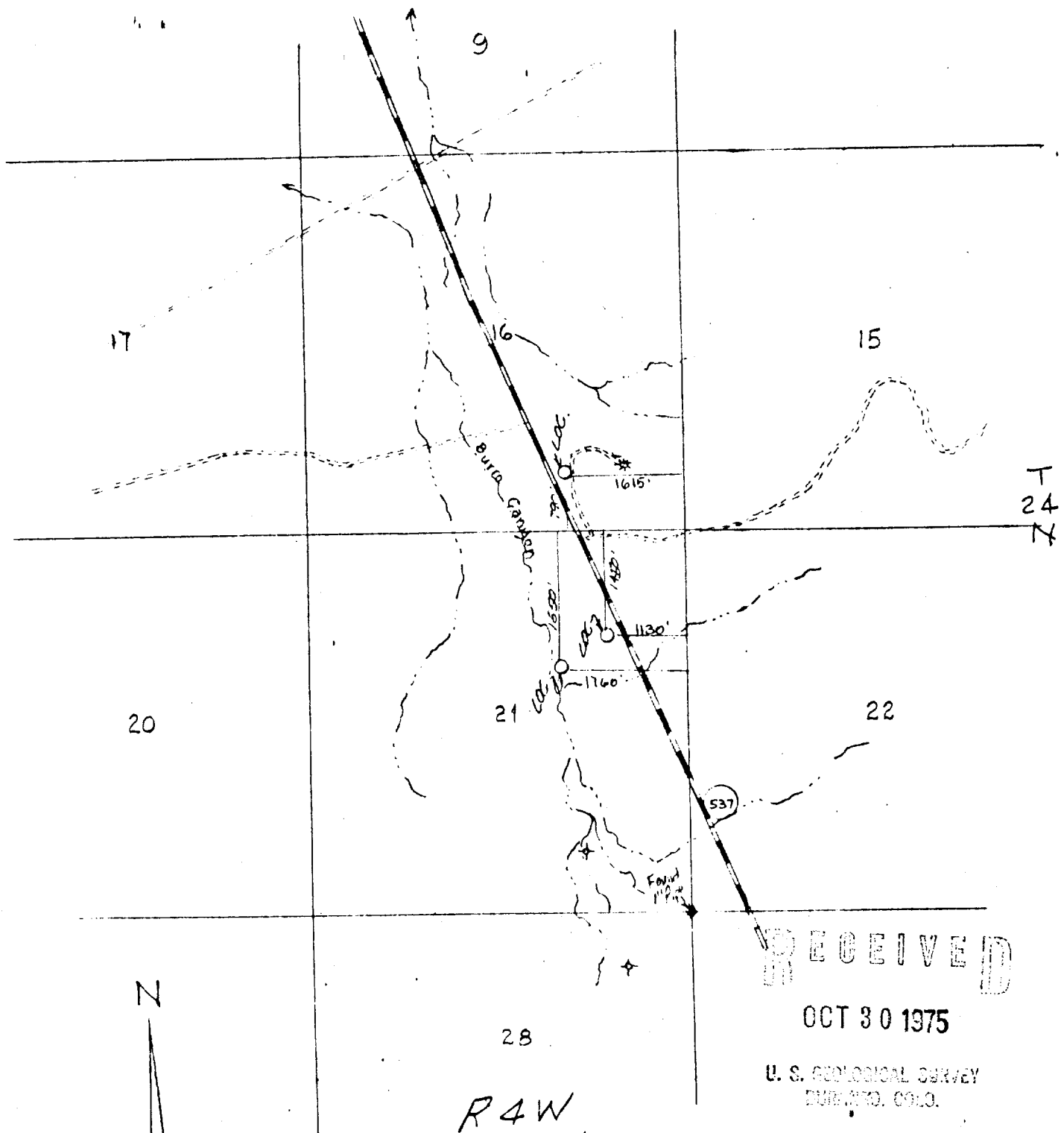
Enclosures

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DURANGO, COLO.





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DUENAS, COLO.

VICINITY MAP FOR
JACK COLE

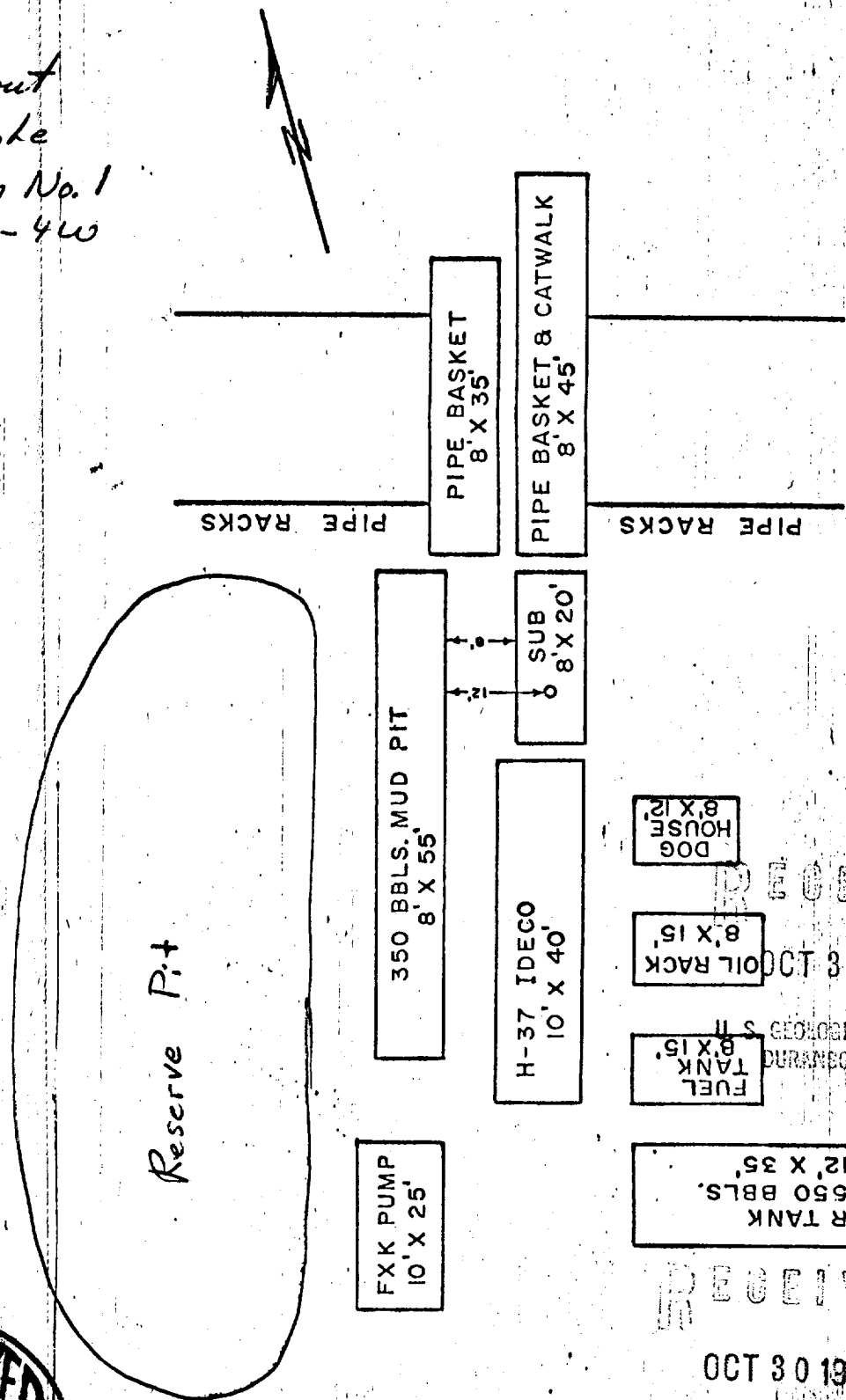
showing

Well Locations in SE/4 Sec. 16,
and NE/4 Sec. 21, T24N, R4W
N.M.P.M., Rio Arriba County,
New Mexico
Scale: 1" = 2000' Date: 10-24-1975

New Mexico



Location Layout
 Jack A. Cole
 Burro Canyon No. 1
 Sec 16-T24N-4W



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Signal Drilling Co.
 Rig No. 8

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