

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 1450/N and 1130/E Sec. 21-T24N-R4W, NMPM
At proposed prod. zone Same
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 70 miles southwest Bloomfield, N.M.
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1130 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. 2500 feet
19. PROPOSED DEPTH ~~3000~~ 4000'
20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6854' Gr., 6864' D.F.
22. APPROX. DATE WORK WILL START*

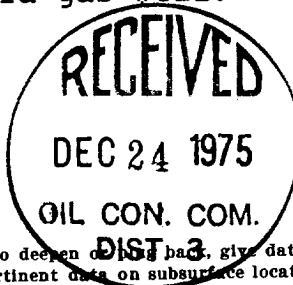
30-639-21168
5. LEASE DESIGNATION AND SERIAL NO. Contract 363
6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Burro Canyon
9. WELL NO. 2
10. FIELD AND POOL, OR WILDCAT Wildcat *PC & Chacra*
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 21-T24N-R4W
12. COUNTY OR PARISH Rio Arriba
13. STATE N.M.

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 4000'	150 sacks

Well will be 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. Perforate and frac treat Chacra formation. Set plug and perforate and frac treat Pictured Cliffs formation and complete as Pictured Cliffs -Chacra 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 Jack A. Cole TITLE Operator DATE 12/22/75

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE
CONDITIONS OF APPROVAL, IF ANY:

St.
*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Department of Energy
and Natural Resources

All distances must be from the outer boundaries of the Section

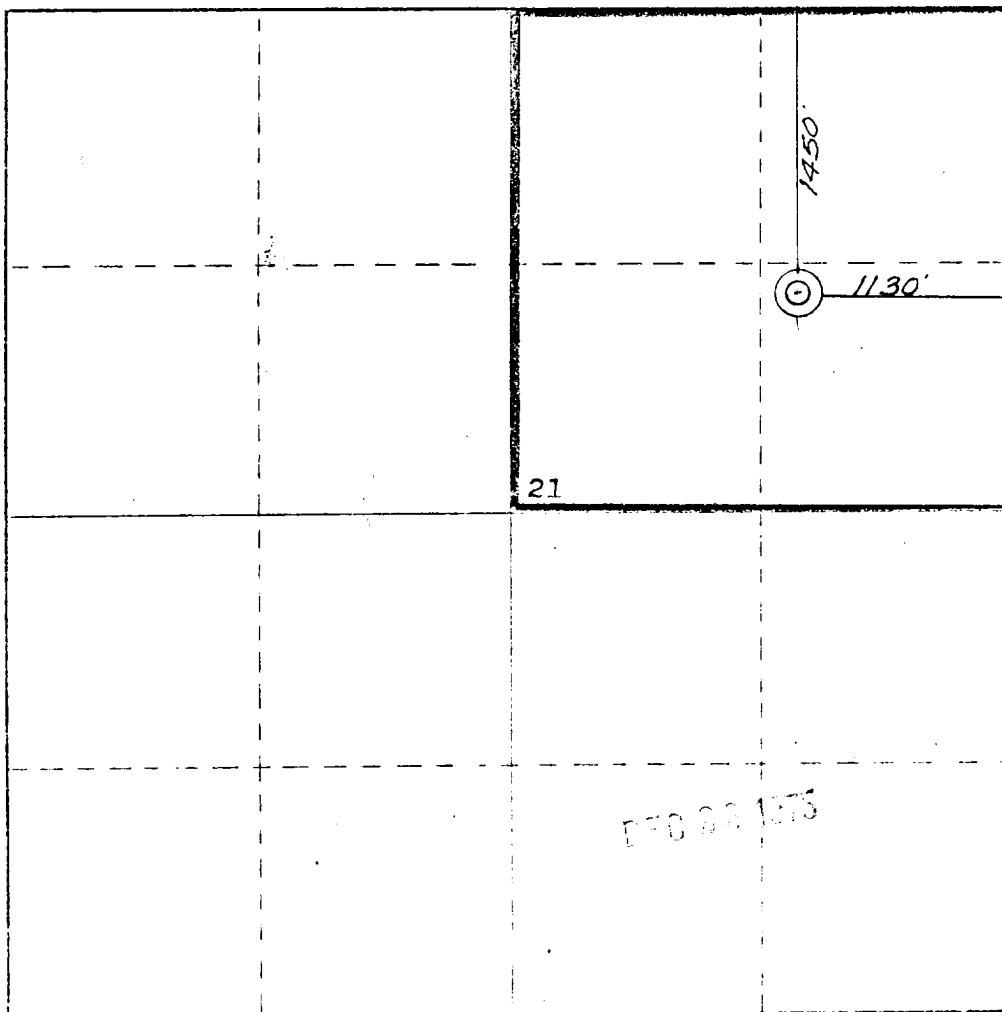
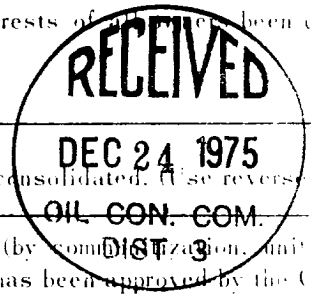
Owner JACK COLE			Lease JICARILLA		Section BURRO CANYON		Range 2	
Section H	Section 21	Township 24 NORTH	Range 4 WEST	County RIO ARriba				
Actual Location of Well:								
1450		feet from the NORTH		1130		feet from the EAST		
Section 1450 Elev. 6854	Producing Formation PICTURED CLIFF-Chacra			Pool Wildcat # Wildcat	Section 160 & 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 leases 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.

Operator _____

Name
Jack A. Cole

Position
Operator

Date
12/22/75

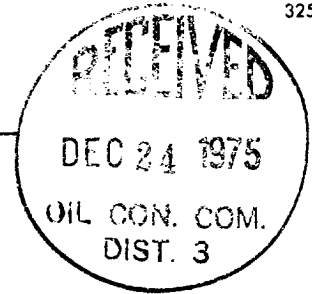
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date
24 October 1975

Signature
James P. Loose
James P. Loose

1463

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



December 22, 1975

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

DEC 22 1975

Attention: Mr. Jerry Long
District Engineer

Reference: 12 point Environmental Program - Jack A. Cole-
Burro Canyon No. 2, NE $\frac{1}{4}$ 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 south of Farmington, 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.

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

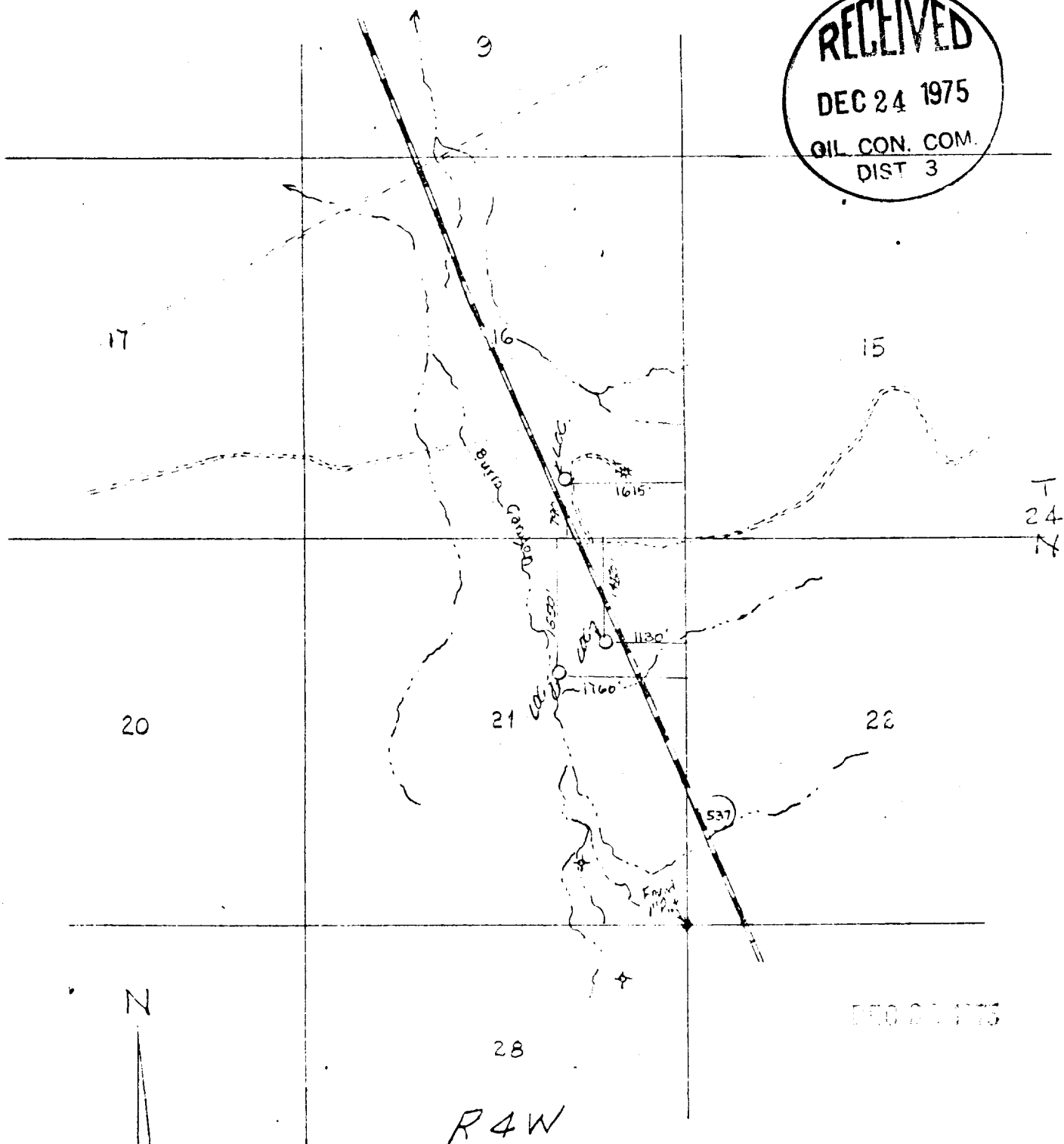
Jack A. Cole
Operator

JAC:s

Enclosures

DEC 28 1975





VICINITY MAP FOR
JACK COLE

Showing
Well Locations in SE 1/4 Sec. 16,
and NE 1/4 Sec. 21, T 24 N, R 4 W
N.M. Dist., Rio Arriba County,
New Mexico
Scale 1" = 5000' Date 12-24-75

Location Layout
Jack A Coke
Burro Canyon No. 2
Sec 21-T24N-R4W

RECEIVED

DEC 24 1975

OIL CON. COM.
DIST. 3

WATER TANK
550 BBLs.
12' X 35'

FXK PUMP
10' X 25'

FUEL
TANK
8' X 15'

OIL RACK
8' X 15'

DOG
HOUSE
8' X 12'

H-37 IDECO
10' X 40'

350 BBLs. MUD PIT
8' X 55'

SUB
8' X 20'

PIPE RACKS

PIPE BASKET & CATWALK
8' X 45'

PIPE BASKET
8' X 35'

PIPE RACKS

Reserve Pit

22

DEC 24 1975

100'

50'