

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

3. ADDRESS OF OPERATOR

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

At surface

K 2265' FSL + 1635' FUL of Sec 20

At proposed prod. zone

SAME

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

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

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

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

6611' GL

16. NO. OF ACRES IN LEASE

640

19. PROPOSED DEPTH

3620'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

ROTARY

22. APPROX. DATE WORK WILL START

June 7, 1977

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 #	500'	310 Sacks Class 'B'
6 3/4"	2 7/8"	6.5 #	3620'	255 Sacks Class 'B'
				+ LITE WATER

It is proposed to drill a straight hole to a total depth of 3620' and complete as pictured Cliffs gas well.

See attached proposed well plan proposed formation tops. See attached forms for BOP, mud program, well site layout, etc.

The Acreage is not Dedicated To A Gas Purchase.

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

Admin. Supv.

DATE

4-26-77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE

APR 28 1977

U.S. GEOLOGICAL SURVEY

*See Instructions On Reverse Side

Hold C-104 for NEL
USGS-Durango (6), North Western Pipeline
Self Lake City 11/6/77

ELRsg, MTL, DEA, F.1(d2)

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACQUISITION PLAT

and shall not be less than the boundaries of the section

CONSERVATION OIL COMPANY

CRUDE NO 29-4

3

NO. 10000

4 WEST

NO. 10000

NO. 10000

10000

NO. 10000

Richard Clifton

Gobernador

160

NO.

and shall not be less than the boundaries of the section

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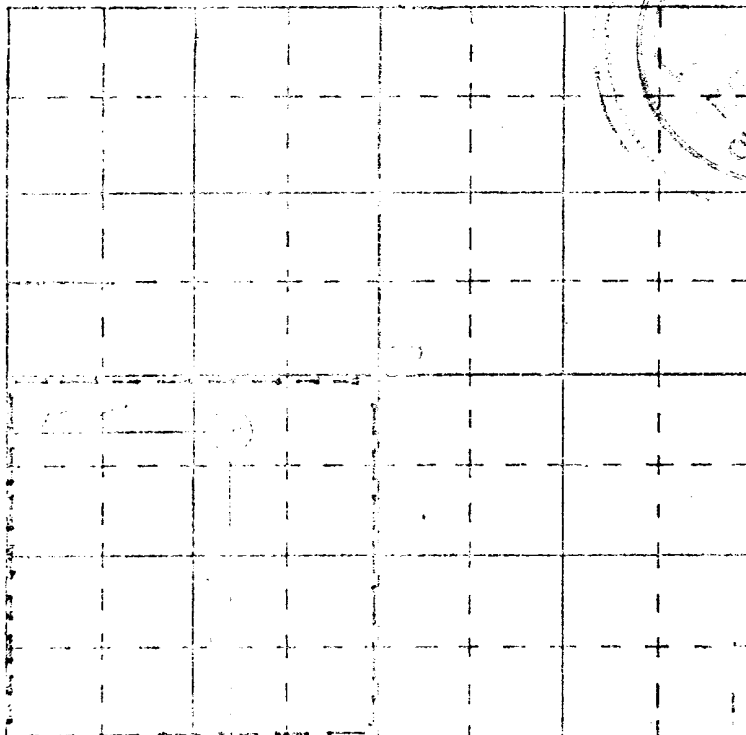
CERTIFICATION

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

John A. Hall
Notary Public
County of Santa Fe, N.M.
4-26-77

I hereby certify that the well location shown on this plat was posted 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.

24 February 1977
Notary Public
James P. Lense
Notary Public



SCALE - 4 INCHES EQUALS 1 MILE

SAN JUAN COUNTY, NEW MEXICO, FARMINGTON, N. M.

2463
Certificate No.

Attachment to Form 9-331 C
Application for Permit to Drill

Continental Oil Company, Conoco 29-4 No. 8
2235' FSL and 1635' FWL of Section 20, T-29N, R-4W
Rio Arriba County, New Mexico

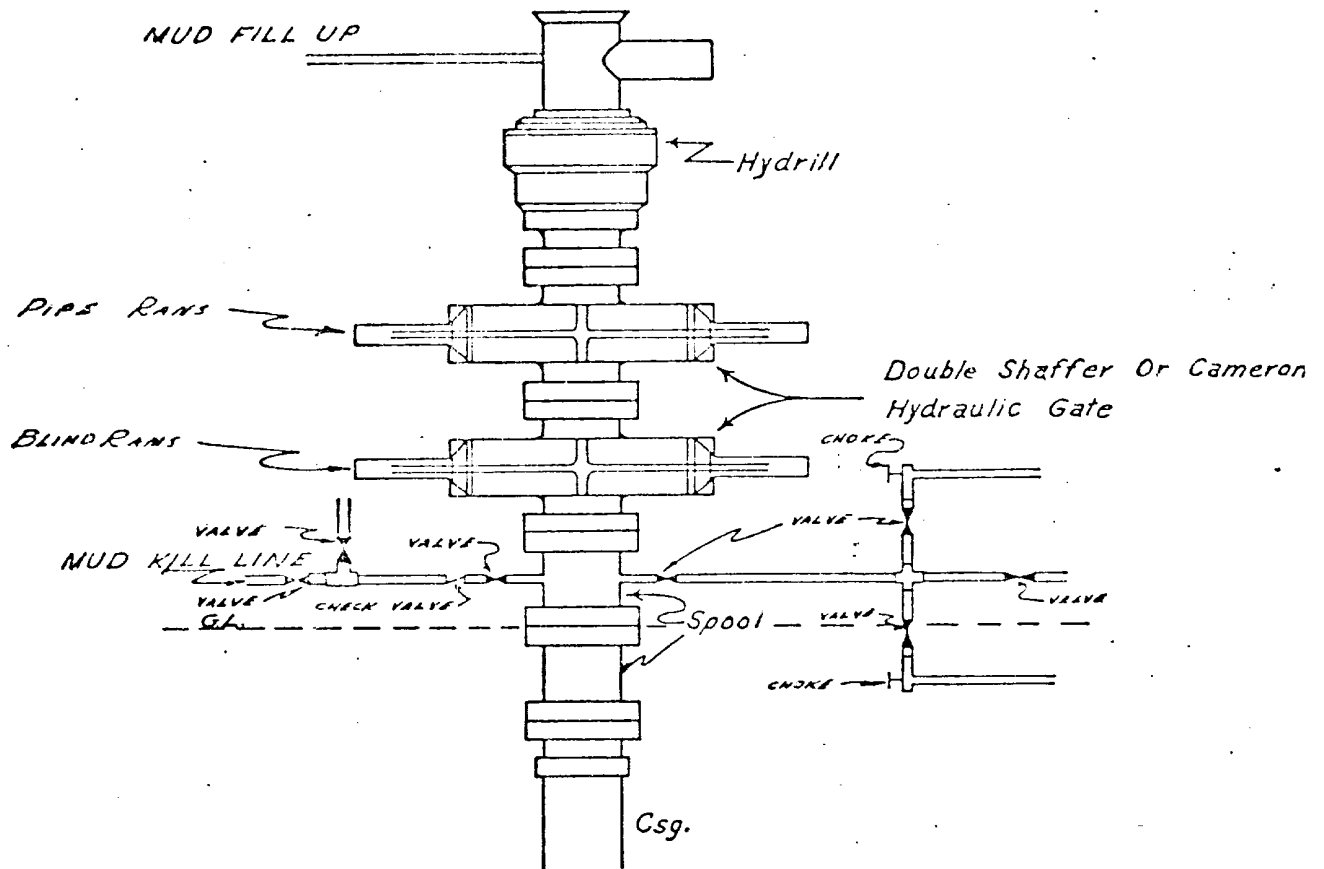
1. The geologic name of the surface formation is Cretaceous.
2. The attached tops of important geologic markers are shown on the attached Proposed Well Plan.
3. The proposed casing program is as follows:

 Surface - new 8 5/8" 24# K-55 set at 500'
 Production - new 2 7/8" 6.5# tubing set at 3620'
4. A drawing of an API Series 900 Blowout Preventer Specification is attached. Pipe rams and blinds will be checked to 1000 PSI for 30 minutes when BOP is installed. BOP will be checked when casing string is set and operated daily for checks.
5. The proposed mud program is as follows:

 0-500' spud mud 8.5-9.0 pounds per gallon
 500'-3620' water gel 8.5-9.0 pounds per gallon
6. The auxiliary equipment to be used is:

 (1) kelly cocks
 (2) floats at the bit
7. It is proposed to run 2" and 5" GR-CAL-CNL-FDC logs from TD to 1700'.
8. No abnormal pressures or temperatures are expected to be encountered.
9. The anticipated starting date for this well is June 7, 1977 with a duration date of approximately 10 days.

CONTINENTAL OIL COMPANY
Blow-out Preventer Specifications



API Series 900

NOTE:

Manual and Hydraulic controls with closing unit no less than 75' from well head.
Remote controls on rig floor.

DUE TO SUBSTRUCTURE CLEARANCE,
HYDRILL MAY OR MAY NOT BE USED.

Continental Oil Company
Conoco 29-4 #8

CONOCO 29-4 No. 8
WELL NAME 2265' FSL + 1635' FWL
LOCATION: Sec 20 T-27N R-4W
ELEVATION: 6611' GR

COUNTY AND STATE

ELEVATION:

6611' GR

[illegible]

SURFACE USE PLAN
Continental Oil Company, Conoco 29-4 No. 8
2265' FSL and 1635' FWL of Section 20, T-29N, R-4W
Lease NM18319, Rio Arriba County, New Mexico

This plan is to accompany "Application for Permit to Drill" the subject well which is located approximately 45 miles due east of Bloomfield, New Mexico. The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the well may have on the environment of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and sub-contractors will be aware of all items of this plan.

1. Existing Roads

- A. The proposed well site is 2265' FSL and 1635' FWL of Section 20, T-29N, R-4W, Rio Arriba County, New Mexico.
- B. Exhibit "A" is a portion of a New Mexico road map showing existing black top roads. Directions to the location (outlined in red on map) from Bloomfield, New Mexico are as follows: Travel east 45 miles on Highway No. 64 - New Mexico No. 17, then turn south on existing unimproved dirt road. This dirt road will run into the new road which is staked.
- C.D.E. The access roads are shown on Exhibits "B" and "C".
- F. No improvement or maintenance is anticipated for the existing roads.

2. Planned Access Roads

- A. Width and Length: New road required will be 18' wide and 3000' long. This new road is labeled and color coded on Exhibits "B" and "C". (staked)
- B. Turnouts: None
- C. Drainage Design: The road will be constructed to provide for adequate drainage.
- D. Culverts, Cuts and Fills: None
- E. Surfacing Material: Sand
- F. Gates, Cattleguards, Fences: None
- G. The proposed road is staked.

3. Location of Existing Wells

See Exhibit "C"

4. Location of Existing and/or Proposed Facilities

A. Tank Batteries: None required.

B. Producing Facilities: No new facilities required.

C. Oil Gathering Lines: None required.

D. Other Lines: Gas gathering line to be put in by purchaser of the produced gas.

E. Rehabilitation: Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operation will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

5. Water Supply: La Jara wash located approximately 1000' west of Conoco 29-4 No. 7.

6. Construction Materials:

A. Sand which is located on Indian land.

7. Methods for Handling Waste Disposal:

Waste Disposal - Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. See Exhibit "D" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted to the survey for appropriate approval.

8. Ancillary Facilities:

None

9. Well Site Layout:

Exhibit "D" shows the relative location and dimensions of the well pad, mud pit, reserve pit, trash pit, etc. The pad and pits are staked.

10. Plans for Restoration of Surface:

Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

11. Other Information:

- A. Terrain - See Exhibit "C", topographic map of area.
- B. Soil - Sandy Clay
- C. Vegetation - Scattered Juniper, Sagebrush, Greasewood and Rabbit Brush
- D. Surface Use - Grazing
- E. Ponds and Streams - La Jara Creek, Bubbling Springs approximately 3000' west of location
- F. Water Wells - None within two miles
- G. Residences and Buildings - None within one mile
- H. Arroyos, Canyons, Etc. - See Exhibit "C"
- I. Well Sign - Sign identifying and locating well will be maintained at drill site with the spudding of the well.
- J. Open Pits - All pits containing mud or other liquids will be fenced.
- K. Archaeological Resources - Rubble of masonry building found approximately 300' east of the eastern boundary of the location.

12. Operator's Representative:

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

B. E. Anderson
Petroleum Center Building
Room 215
501 Airport Drive
Farmington, New Mexico 87401
Phone: (505) 327-9557

L. P. Thompson
1001 North Turner
Hobbs, New Mexico 88240
Phone: (505) 393-4141

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Continental Oil Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

4-26-77

Date

L. P. Thompson

L. P. Thompson
Division Manager

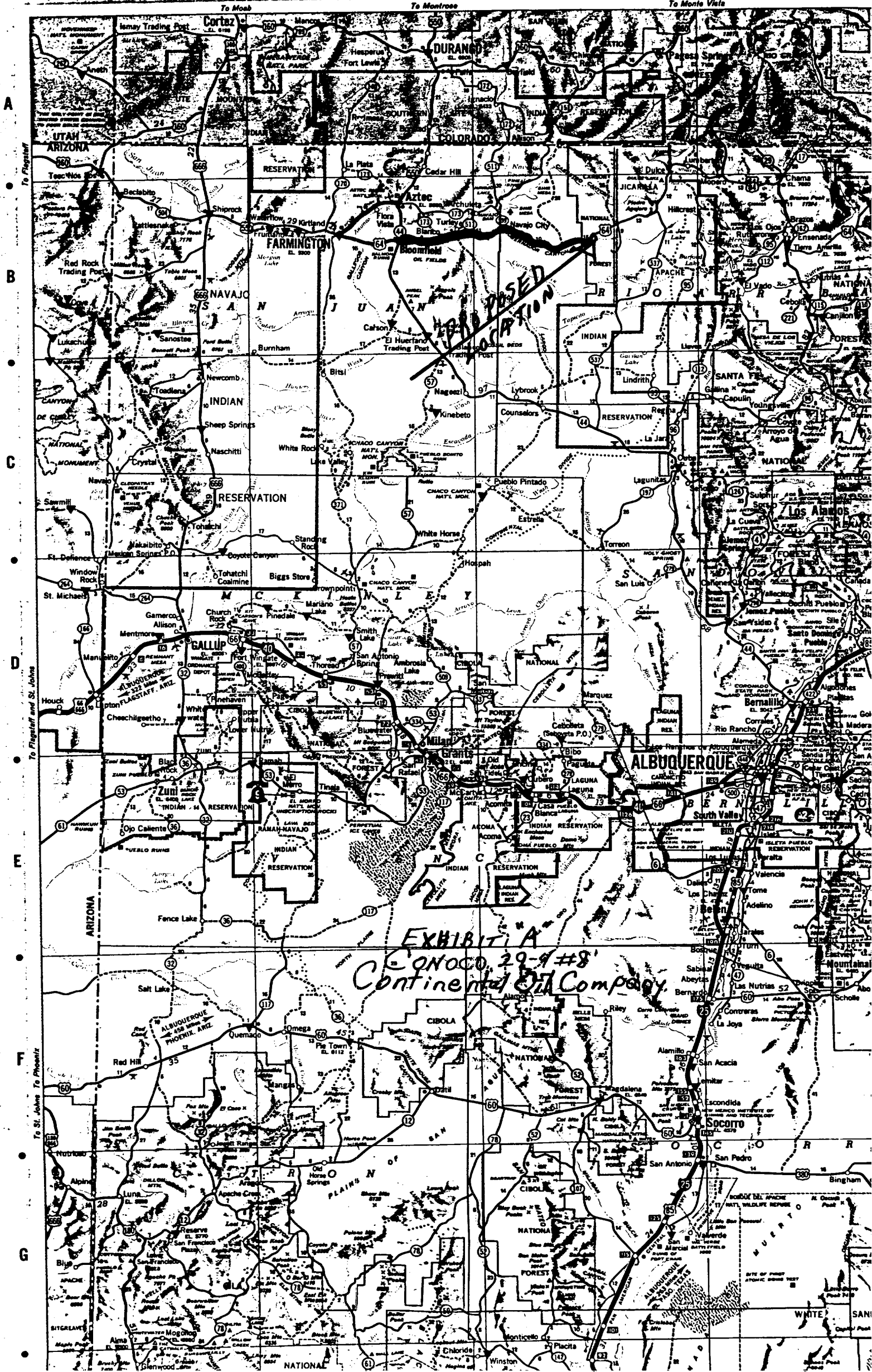


EXHIBIT A
CONOCO 29-9-#8
Continental Oil Company

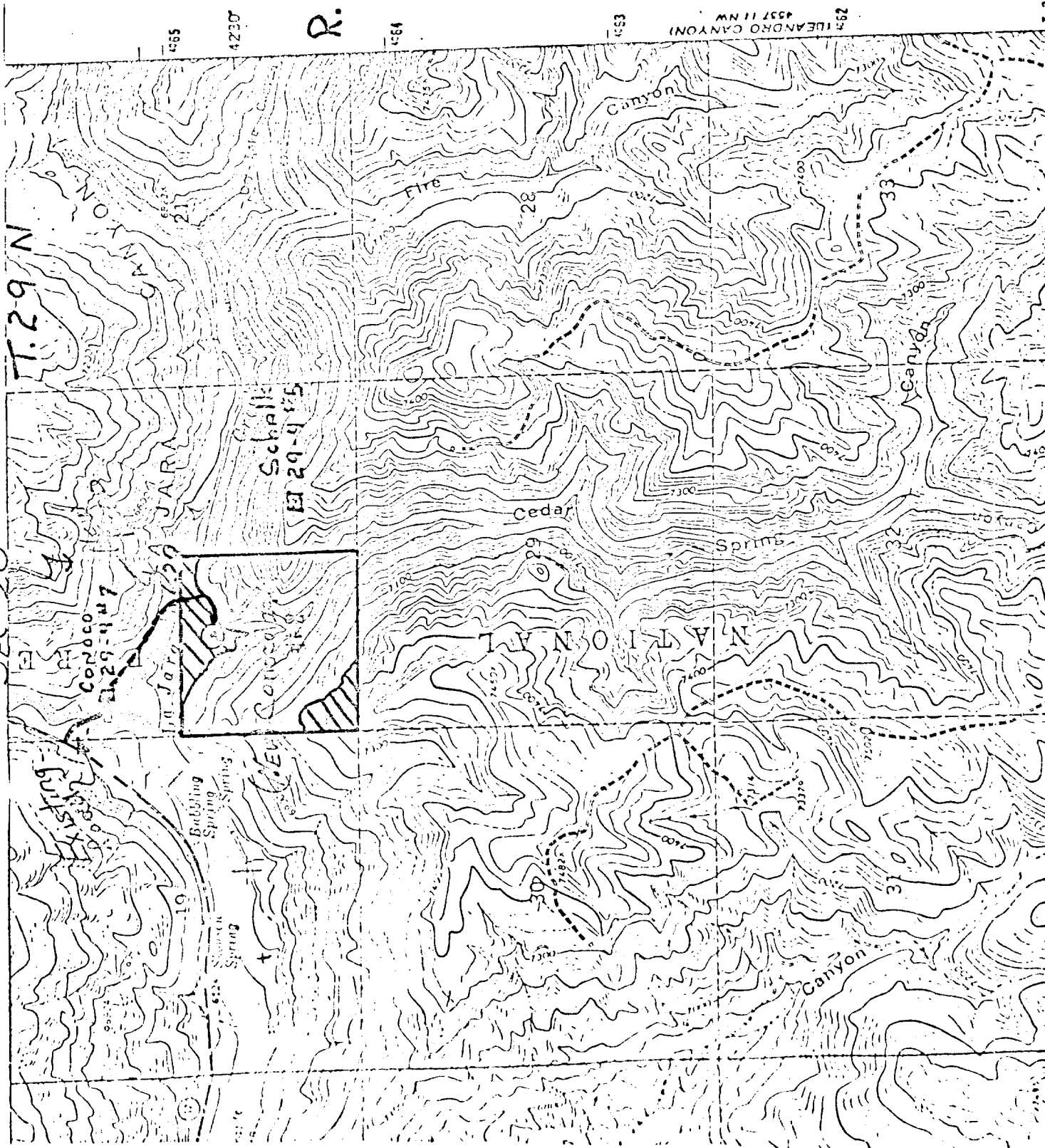
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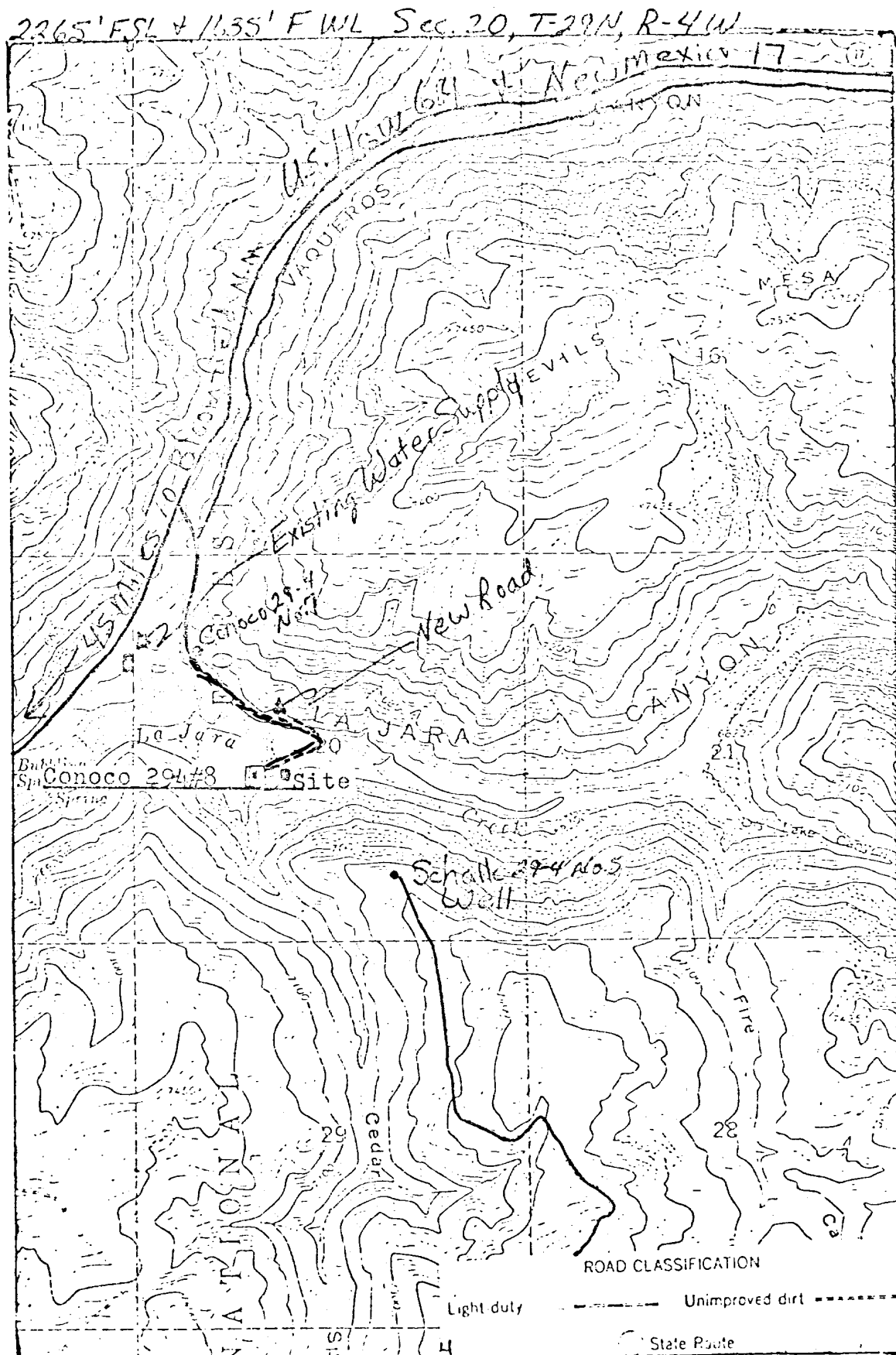
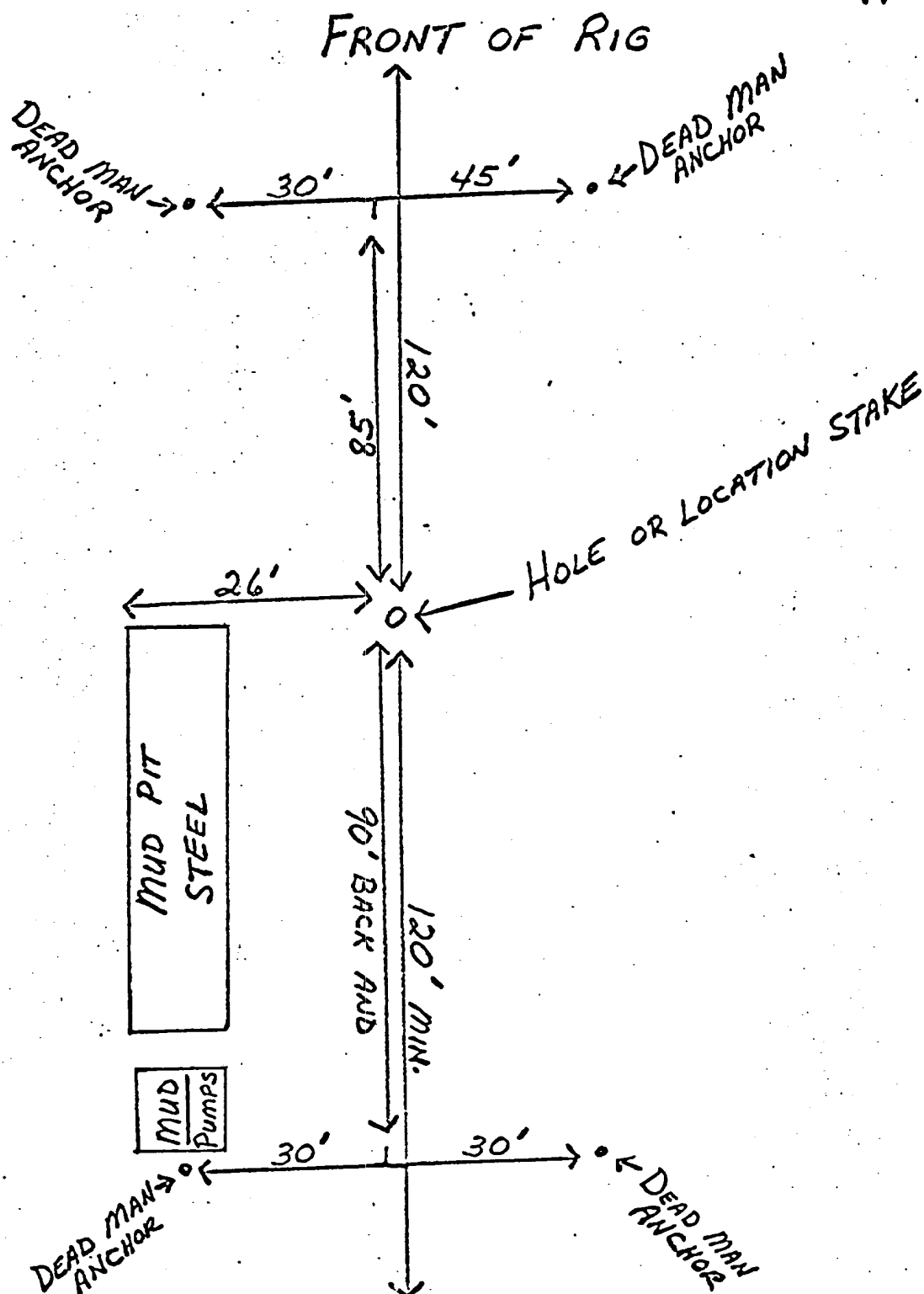


EXHIBIT "C"
 Conoco 29-4 No. 8
 Continental Oil Company

Fig 1

GOBERNADOR, N. MEX.
 N3637 5-W10715/7 5
 1963

RIG #1



RESERVE PIT 150' X 150' X 5' DEEP

Continental Oil Company
Conoco 29-4 No. 8
EXHIBIT "D"