

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

Continental Oil Company

3. ADDRESS OF OPERATOR

Box 460, Hobbs, N.M., 88240

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

At surface

990' FSL + 1550' FEL -

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 drilg. unit line, if any)

16. NO. OF ACRES IN LEASE

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

4100

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

7015' GR

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	New 8 5/8"	24 #	500'	270 SK Circ.
7 7/8"	New 4 1/2"	10.5 #	4100'	900 SK

IT IS Proposed to Drill A Straight Hole To A
Total Depth of 4100' and Complete AS A Gobernador
Pictured Cliffs Gas Well.

See Attached For B.O.P. Program.

See Attached Proposed Well Plan For Formation TOPS, Logging, ETC.

The Acreage is Not Dedicated To A 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

Wm. J. Butterfield

TITLE

ADMIN. SUPV.

DATE

12-13-77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Oked

*See Instructions On Reverse Side

USGS-Durango-6, North Western Pipeline, El Paso, MTH, BEA, File (2)
with the G. L. Utah

30-039-21585
5. LEASE DESIGNATION AND SERIAL NO.

NM 18315

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Conoco 29-4

9. WELL NO.

9

10. FIELD AND POOL, OR WILDCAT

Undesignated - P.C.

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

Sec. 2, T-29N, R-4W

12. COUNTY OR PARISH

13. STATE

Rio Arriba

N.M.

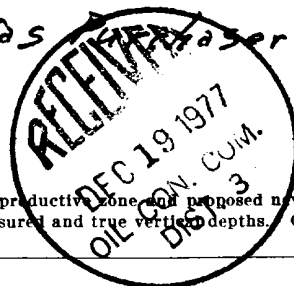
17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*



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.

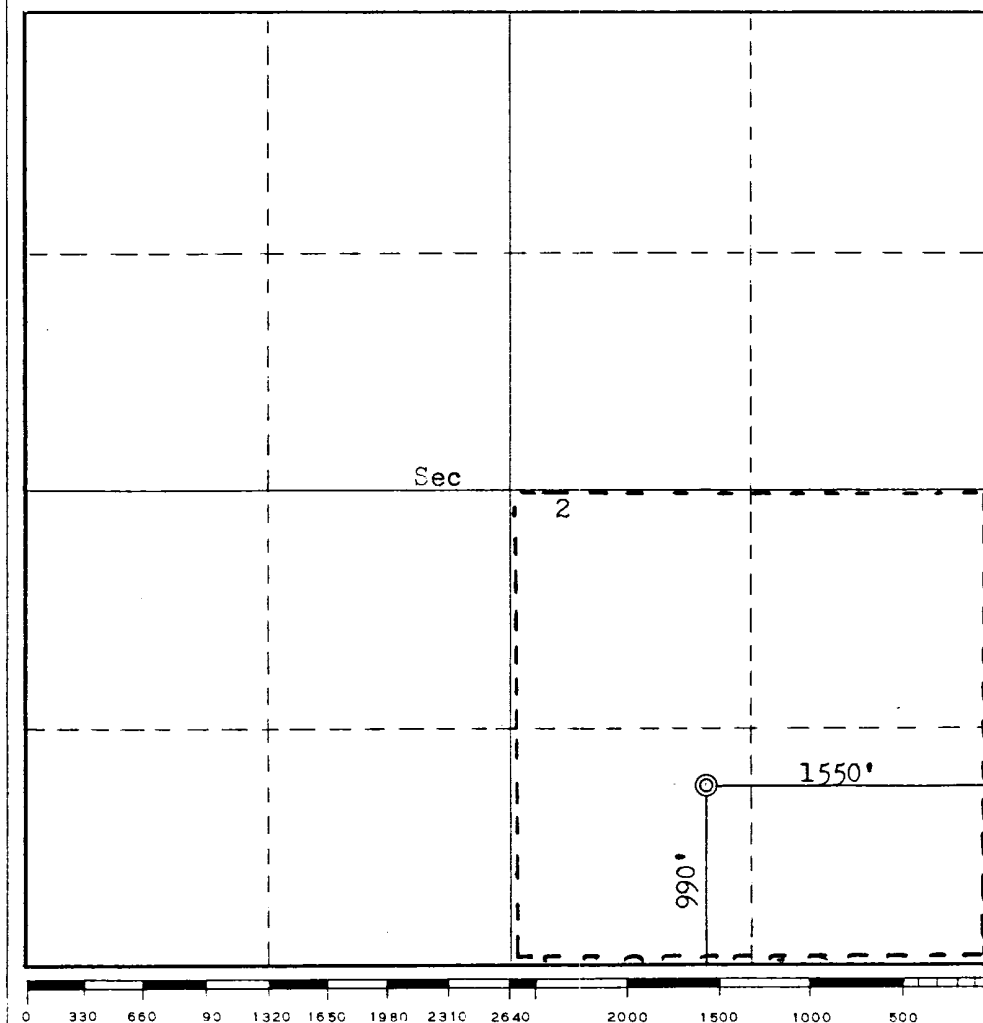
Operator Continental Oil Company			Lease Conoco 29-4 San Juan 29-4 Unit		Well No. 9
Unit Letter 0	Section 2	Township 29N	Range 4W	County Rio Arriba	
Actual Footage Location of Well:					
990 feet from the South line and		1550 feet from the East line			
Ground Level elev. 7015	Producing Formation Pictured Cliffs	Pool Undesignated Gobernador	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.

Name **Wm. A. Dutterfield**
Position **ADMIN. SUPV.**
Company **CONTINENTAL OIL CO.**
Date **12-13-77**

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 **November 15, 1977**
Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.
Certificate No. **3950**

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

Continental Oil Company, Conoco 29-4 No. 9
990' FSL and 1550' FEL of Section 2, T-29N, R-4W
Rio Arriba County, New Mexico

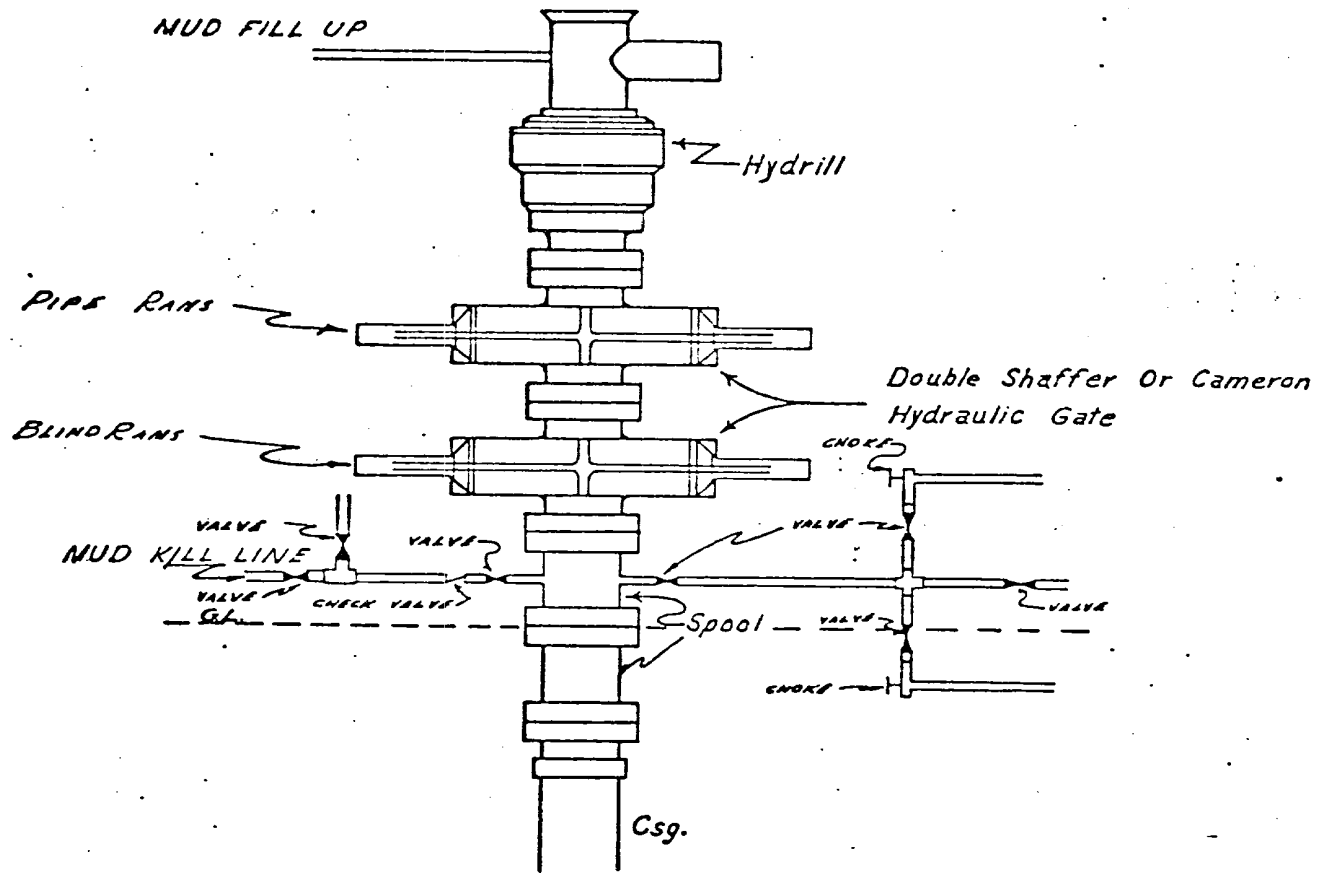
1. The geologic name of the surface formation is Cretaceous.
2. The attached tops of important geologic markers are shown on the attached Proposed Well Plan.
3. The proposed casing program is as follows:

 Surface - new 8 5/8" 24# K-55 set at 500'
 Production - new 4 1/2" 10.5# set at 4100'
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
 500-4100' 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-FDC-SP-IES-CNL logs from TD to 3200'.
8. No abnormal pressures or temperatures are expected to be encountered.
9. The anticipated starting date for this well is as soon as possible 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 NO. 9

COUNTY: Rio Arriba

STATE: New Mexico

Est. 7027 DF

Proposed well plan

7015 GL

Prepared by _____

Date: _____

Drilling Supt.

SURFACE USE PLAN
Continental Oil Company, Conoco 29-4 No. 9
990' FSL and 1550' FEL of Section 2, T-29N, R-4W
Rio Arriba County, New Mexico

This plan is to accompany "Application for Permit to Drill" the subject well which is located approximately 48 miles northeast 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 990' FSL and 1550' FEL of Section 2, 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 48 miles on Highway No. 64 - New Mexico No. 17. The new road will be 1000' north from highway.
- 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 1000' long. This new road is labeled 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: Native soil
- 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 Canyon located in Section 19, T-29N, R-4W

6. Construction Materials:

- A. Native Soil

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 - The well is situated in a portion of Vaqueros Canyon and the terrain is rolling with a gentle slope to the south.
- B. Soil - Sandy loam with sandstone outcrops.
- C. Vegetation - Sagebrush and Blue Grama
- D. Surface Use - Grazing
- E. Ponds and Streams - None within one mile
- F. Water Wells - None within one mile
- G. Residences and Buildings - None within one mile
- H. Arroyos, Canyons, Etc. - See Exhibit "B"
- 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 - None

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.

12/13/77
Date

E. L. O'Connell & Co. Div. Mgr.
for L. P. Thompson
Division Manager

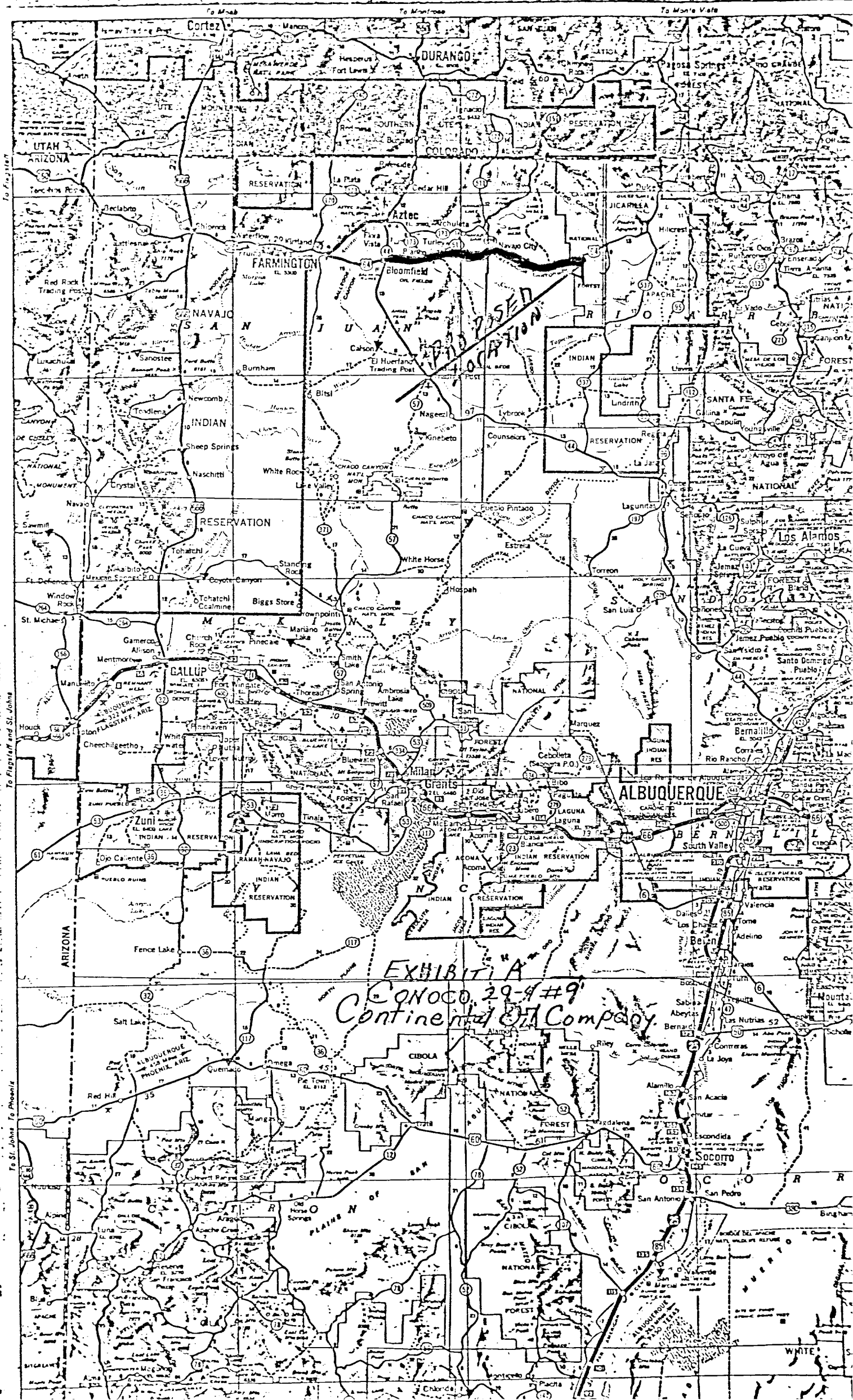
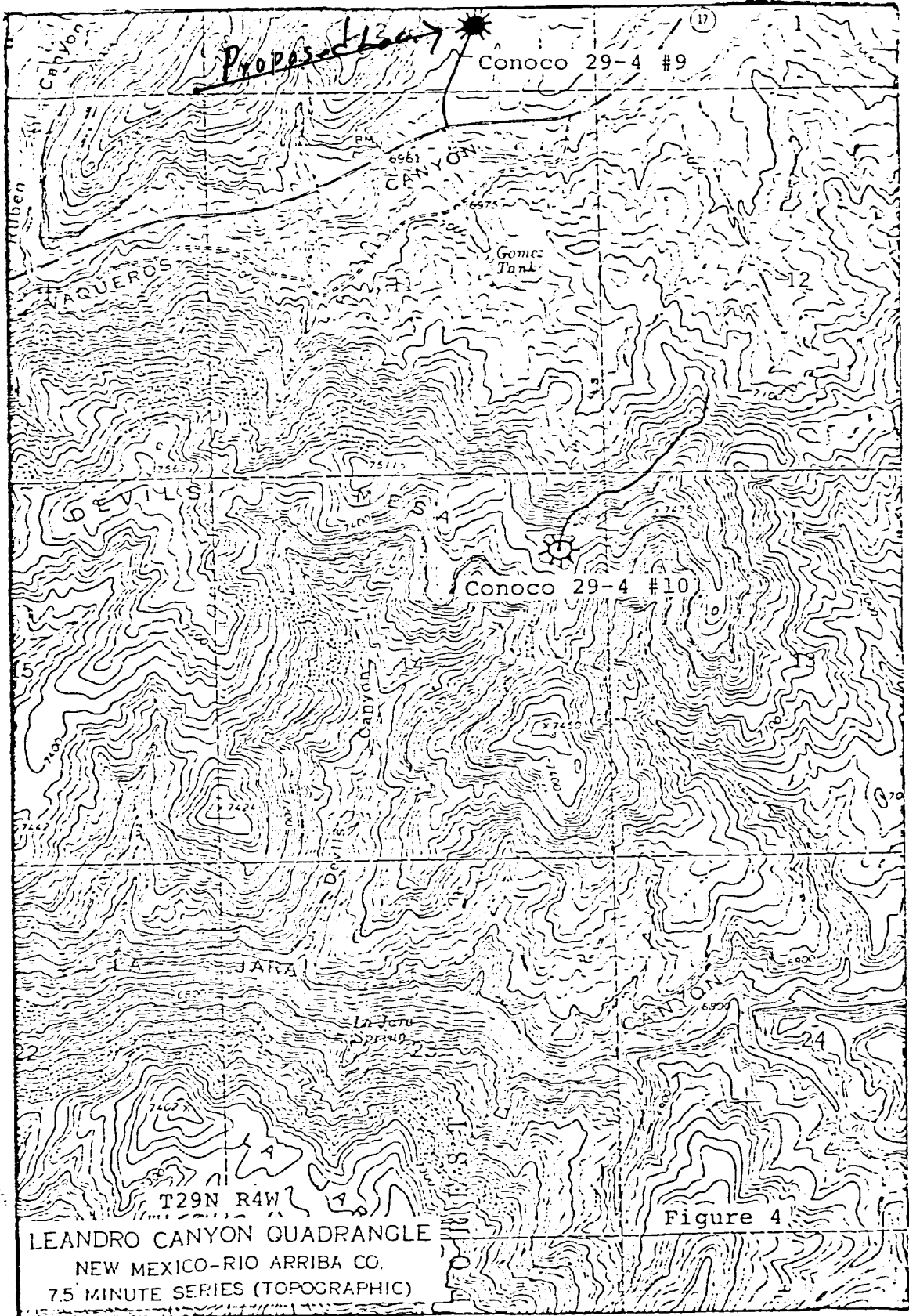
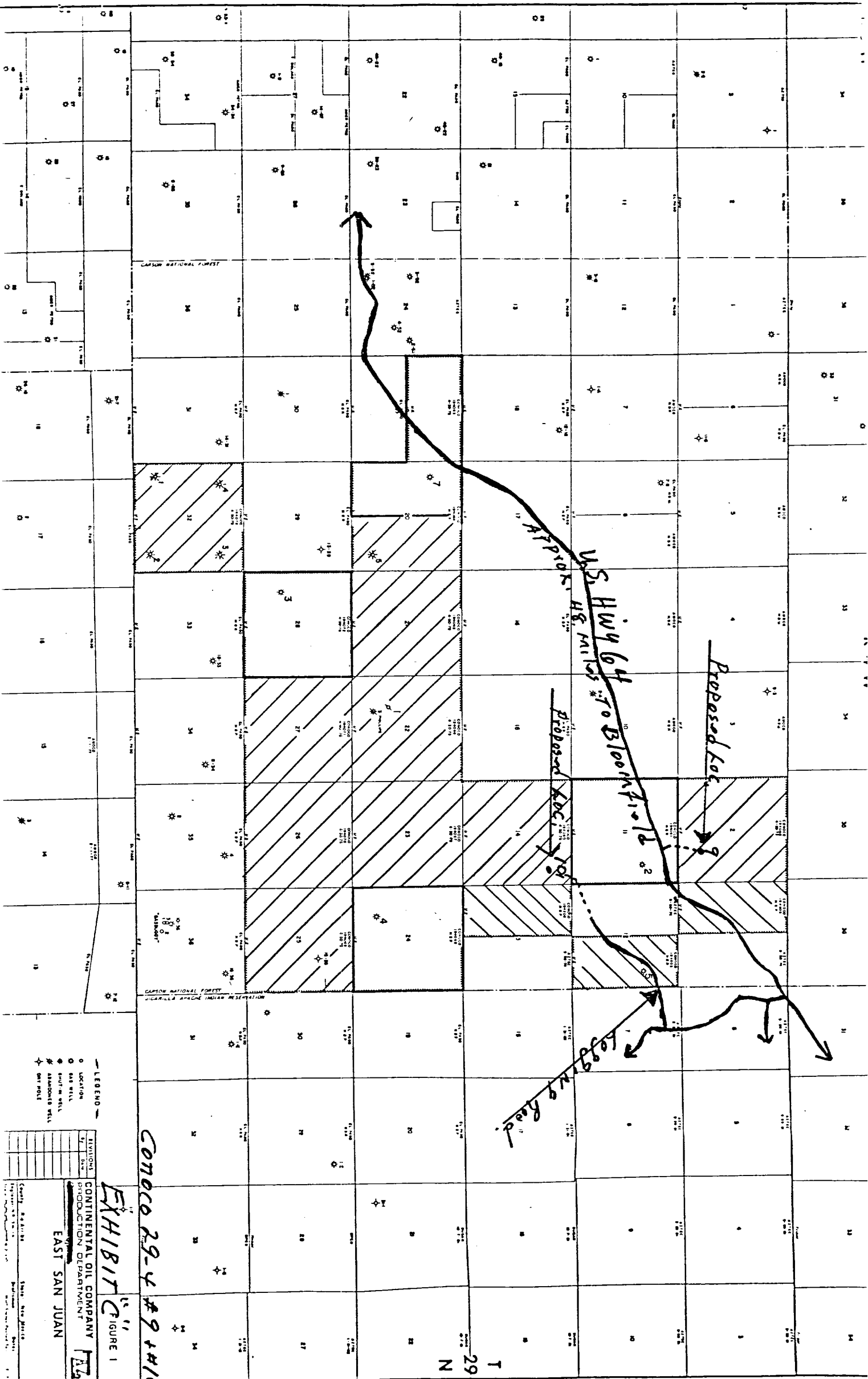


EXHIBIT A
CONOCO 29-4 #9
Continental Oil Company



CONOCO 29-4 #9
 990' FSL + 1550' FEL 9 Sec. 2, T. 29N, R. 4W
 EXHIBIT R



LEGEND

- LOCATION
- OIL WELL
- ✱ OIL WELL
- ✱ ABANDONED WELL
- ✱ OIL WELL

WELL NO.	WELL NAME	WELL TYPE	WELL STATUS
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
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39	39	39	39
40	40	40	40

EXHIBIT C

FIGURE 1

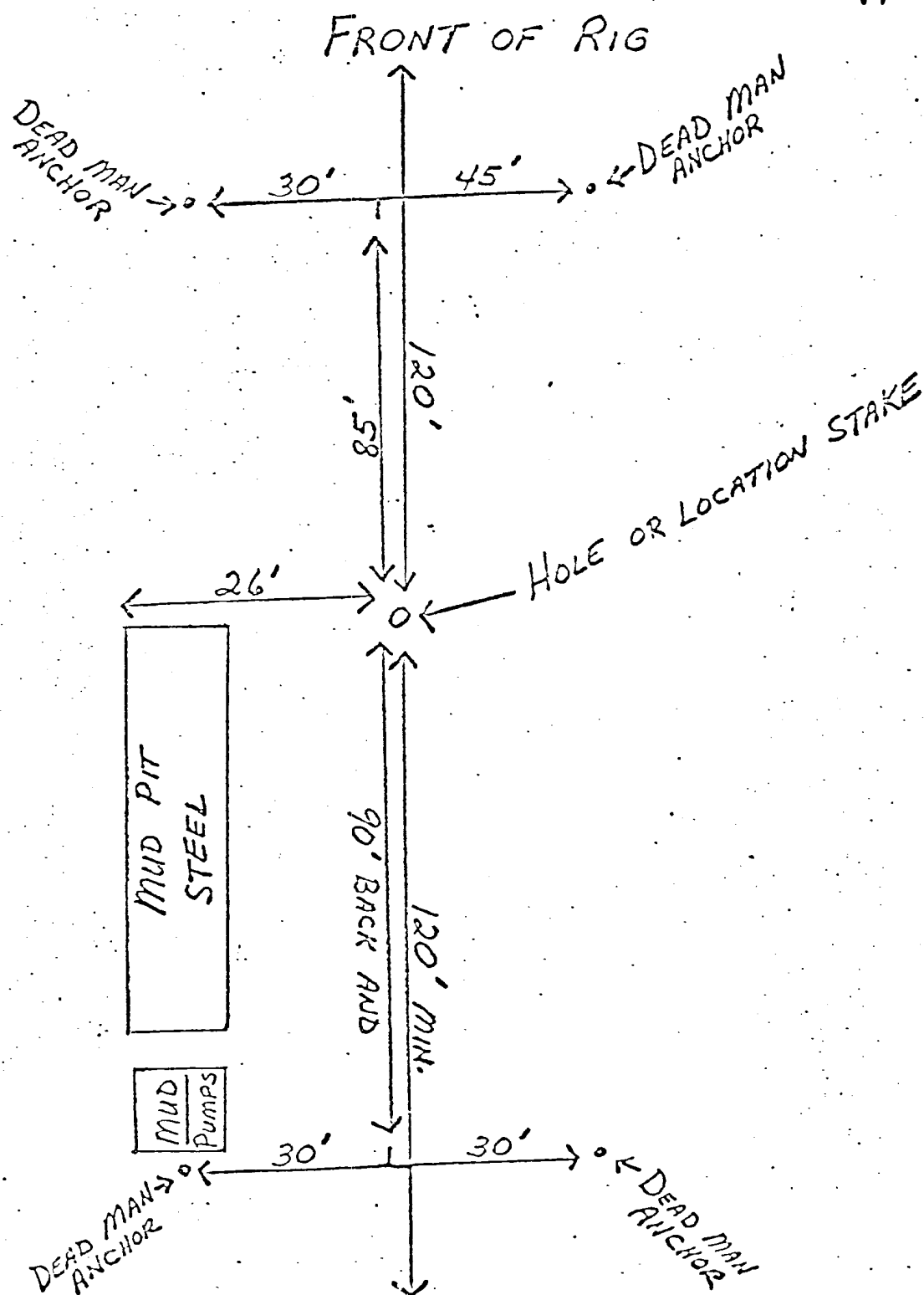
CONTINENTAL OIL COMPANY

PRODUCTION DEPARTMENT

EAST SAN JUAN

CONOCO 29-4 #9 + #10

RIG #1



RESERVE PIT 150' X 150' X 5' DEEP

Continental Oil Company
 Conoco 29-4 No 9
 EXHIBIT "D"