

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-21047

5. LEASE DESIGNATION AND SERIAL NO.

NM- 14925

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal 1-22

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Escrito Gallup

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

22-T24N-R7W NMPM

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

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

ECO, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 669 Santa Fe, New Mexico 87501

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

At surface

790' FSL 790' FWL Sec 22 T24N R7W NMPM

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 drlg. unit line, if any)

790'

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED
TO THIS WELL

Joint -80

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

1190

19. PROPOSED DEPTH

6000

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 6799

22. APPROX. DATE WORK WILL START*

See Below

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#	120	Circulate
7 7/8	4 1/2 or 5 1/2	10.5 or 15.5	6000	2 Stage details below

PROPOSED WORK

Drill 12 1/4" hole to approximately 120'. Circulate cement. Drill 7 7/8" hole to bottom of Gallup Formation or approximately 6000'. Set 4 1/2 or 5 1/2 casing whichever is available, and two stage cement with 125 sacks over Gallup and recommend Halliburton volume to try and cement from top of Gallup stage to as near the surface as possible. Perforate, acidize and sand water frac Gallup.

DATE OF PROPOSED WORK

Surface casing will be set as soon as approval is obtained.
Hole will be drilled as soon as casing and drilling contractor obtained.
We expect this to be the 1st quarter of 1975.

JOINT ACREAGE DEDICATION

Please note this is the 2nd well on this 80 acre tract. Operator only intends to request less than 1 well max. allowable for this 80 acre tract.

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 prevention program, if any.

24.

SIGNED



TITLE President

DATE 11-18-74

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

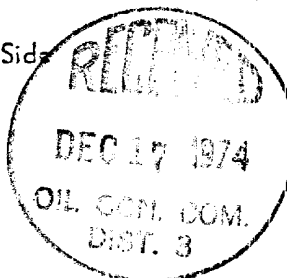
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



**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.

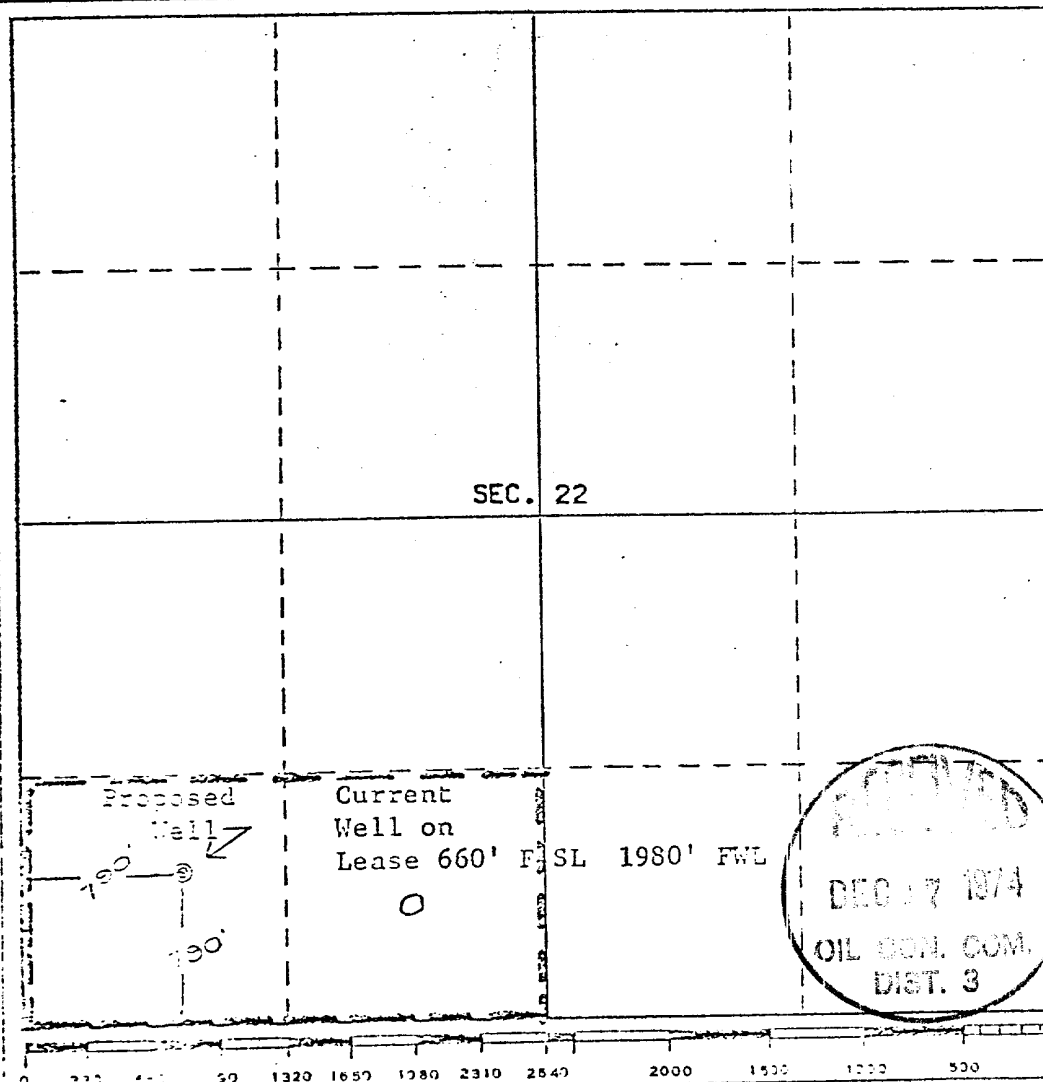
Operator BCO, Inc.			Lease Federal 1-22		Well No. 2
Unit Letter M	Section 22	Township 24 North	Range 7 West	County Rio Arriba	
Actual Footage Location of Well:					
790	feet from the	South	line and	790	feet from the
				West	line
Ground Level Elev. 6799	Producing Formation Gallup		Pool Escrito Gallup	Dedicated Acreage: Joint-80 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 N/A

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.

Harry R. Bigbee
Name

Harry R. Bigbee

Position

President

Company

BCO, Inc.

Date

11-18-74

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

Date Surveyed

November 9, 1974

Registered Professional Engineer and/or Land Surveyor

E.V. Echohawk
Certificate No. **3602**

E.V. Echohawk LS

1-22, Number 2
Rio Arriba County

12-Point Surface Use Plan

1. Existing roads, including location of exits from the main highway. Please see Exhibits 1 and 2 attached hereto and made a part hereof.

Exhibit 1 is a Xerox copy of the material portion of the Nageezi quadrangle topographic USGS map. We have extended Highway 44 to the southeast, as shown thereon, by a straight line. We have shown a road that cuts off in a northerly direction from the highway at a point approximately 1/2 mile east of the Escrito Trading Post until the road as shown on Exhibit 1 continues northerly through Section 9 and 4 and continues through Section 29, 20 and 17 to where there is shown the location of the BCO camp. The portion of this road that is shown by rough drawing in Section 9 extending to Section 4 from the highway is more accurately shown on Exhibit 2, being a Xerox copy of a material part of the USGS Lybrook quadrangle topographic map, where this road is shown to leave the highway and extend to Section 4. From the BCO camp said road on Exhibit 1 is shown to go in a generally easterly and westerly direction through the northern part of Section 21 and continues into Section 22. An existing road not shown on said map is then drawn in pencil extending through the northern part of Sections 22 and 23 coming off of the mesa in Section 24 and joining a road shown on said USGS map. Said road then continues in a westerly direction through Sections 23 and 22. The section 1-22 No. 2 location is shown with a circle in the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of said Section 22. The location is immediately adjacent on the north side of an existing road as depicted on said Exhibit.

2. Planned Access Roads

This location is of sufficient proximity to an existing road that no additional road will be required.

3. Location of Existing Wells

Exhibit 1 depicts existing wells by a solid dot in the vicinity of said proposed location.

4. Lateral Roads to all Locations

It is believed that this information is furnished by Exhibit 1 and in answer to 1 and 2 above with additional roads not reflected on the USGS map written in pencil.

5. Location of Tank Battery and Flow Lines

No additional tank batteries will be installed on this well. A flow line will be run between the proposed well and the existing separator and tank battery in the 1-22 No. 1 location which is depicted on Exhibit 1 and is situated in the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of said Section 22. Said proposed flow line is shown on Exhibit 1.

6. Location and Type of Water Supply

BCO, Inc. has a water well that is located in the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 18. This well was formerly used as a source well for water flooding in the Escrito Unit. The source of the water is the Ojo Alamo. Water would be obtained from this well and used for drilling purposes and all other related purposes.

7. Methods for handling waste disposal

Waste disposal will be disposed of by burial in the burn pit, latrine or reserve pit as applicable. A plat of the same is attached hereto.

8-9 Location of Camps and air strips

No camps or air strips will be constructed.

10. Location of layout to include position of the rig, mud tanks, reserve pits, burn pits, pipe racks, etc.

A plat of the proposed regular layout, etc. is attached. See Exhibits 3 and 4.

11. Plans for restoration of the surface

The surface will be restored as near as possible to the original condition including grading the location and reserve pits as soon as practical.

12. General description of topography and vegetation

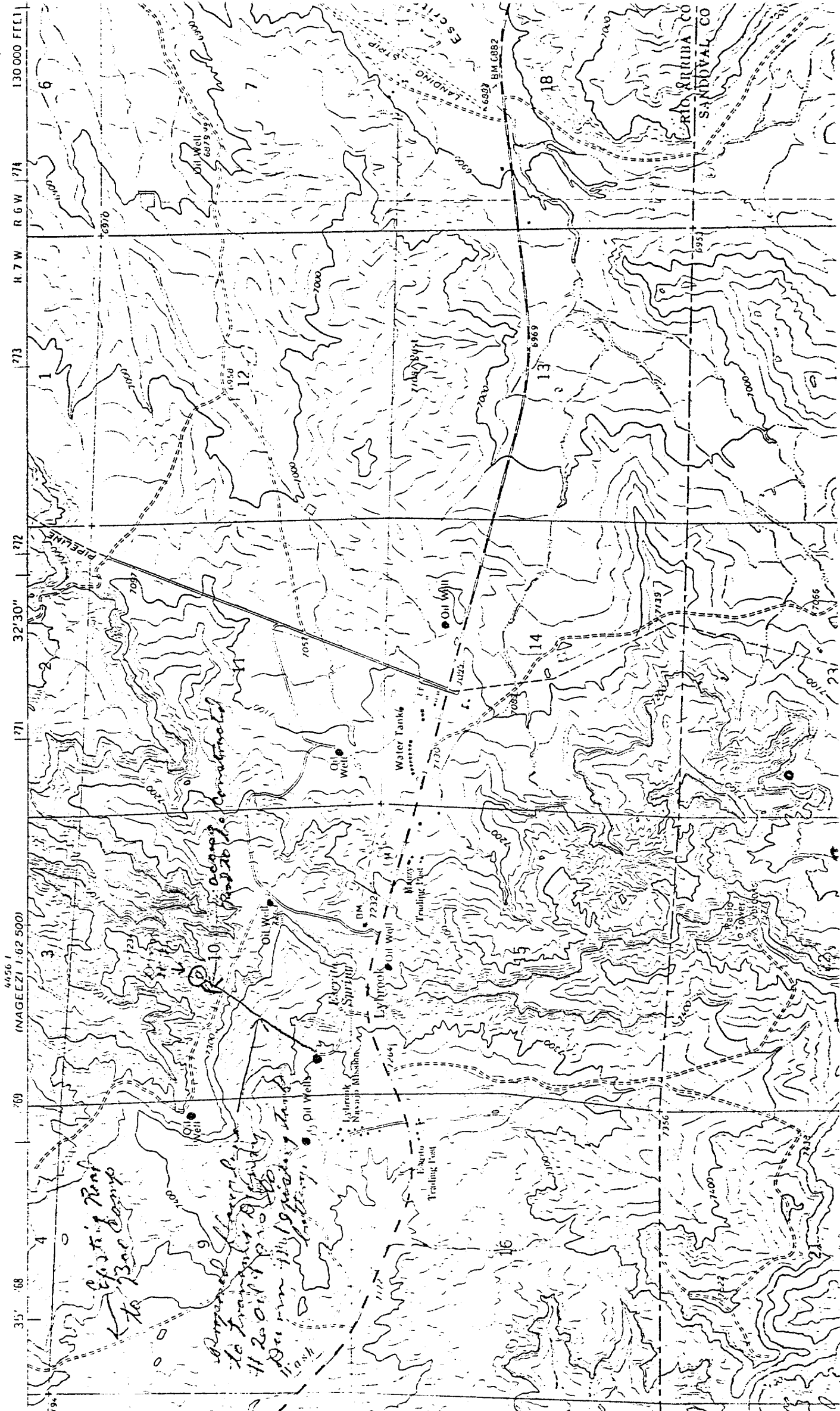
The land at this point is close to the center of a canyon and is quite level. Vegetation consists of sage brush and some native grasses.

BCO, INC.

By Harry L. Zyl

Existing well •
Proposed location ③

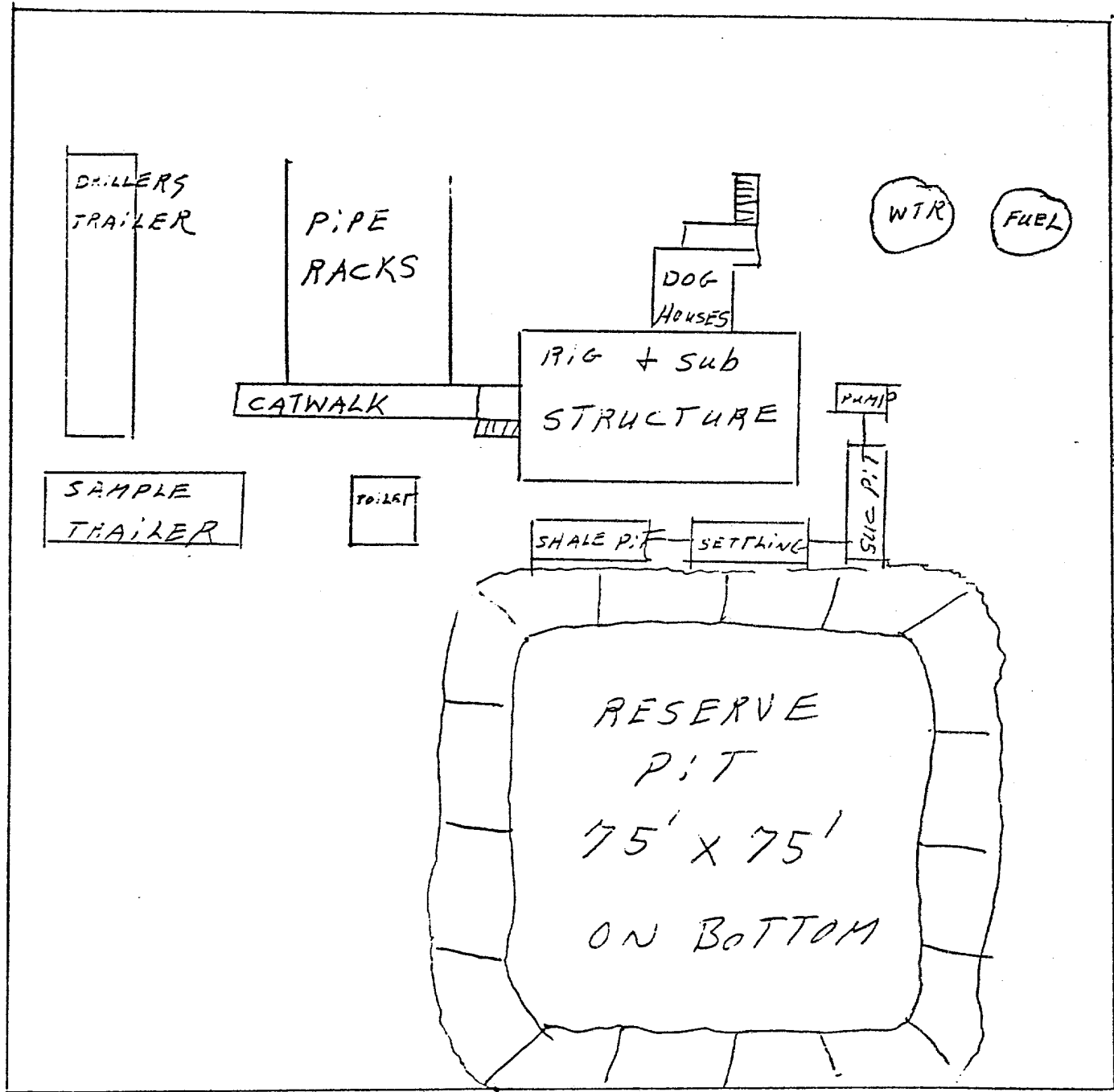
LYBROOK QUADRAN
NEW MEXICO
7.5 MINUTE SERIES (TOPOG)



BCO, INC

FED 1-22 #2 SEC 22 T24 N R7 W

FED LEASE # NM-14925



275'

275'

Exhibit 3

BCO, INC

FED 122#2 SEC 22 T24 N R7 W

FED LEASE NM-14925



RESERVE PIT

Exhibit 4