

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

C. E. LaRue and B. N. Muncy, Jr.

3. ADDRESS OF OPERATOR

P. O. Box 196, Artesia, New Mexico 88210

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

At surface

660' from North and 1980' from West lines of Section 17,

At proposed prod. zone

T14S, R28E

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

10 miles East Hagerman, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE*

640

19. PROPOSED DEPTH

1600

17. NO. OF ACRES ASSIGNED

TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

3552.6 GL

22. APPROX. DATE WORK WILL START*

March 17, 1977

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	29#	210'	150 Sacks circulated
7 7/8"	5 1/2"	15 1/2#	1580'	150 sacks circulated

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 Operator

DATE 2/7/77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES JUN 24 1977
See Instructions On Reverse Side

MAR 24 1977
R. L. Beckman
ACTING DISTRICT ENGINEER

RECEIVED
FEB 11 1977
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-152
Supersedes O-128
Effective 10-1-65

All distances must be from the outer boundaries of the Section

La RUE & MUNCY		BARNHILL FED.		Section 1	
C	17	14 South	28	Chaves	
660 feet from the North line and 1980 feet from the West line					
3552.6	Producing Formation	Producing Formation		Producing Formation	

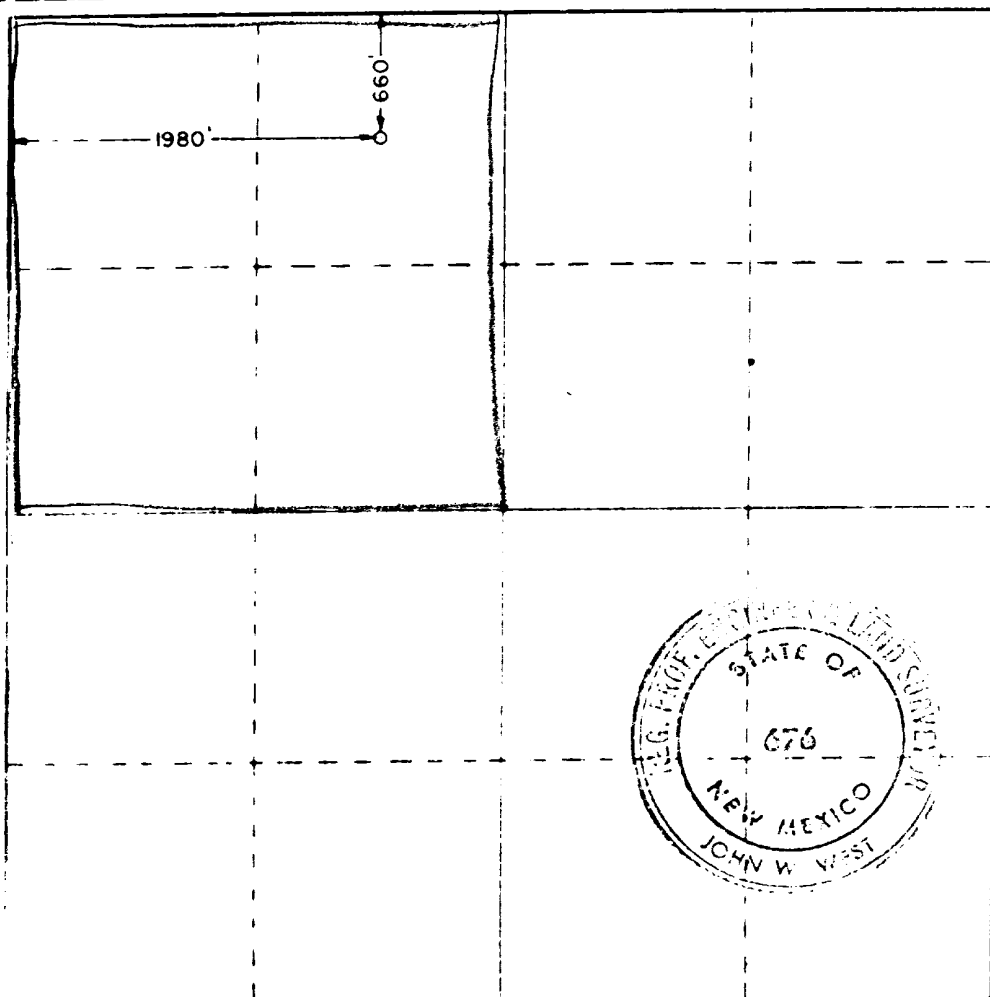
RECEIVED
FEB 11 1977
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (with working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all leases 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 *C.E. LaRue and B.N. Muncy, Jr.*
Signature *C.E. LaRue*

C.E. LaRue and B.N. Muncy, Jr.

February 9, 1977

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

February 9, 1977

Registered Professional Engineer and Land Surveyor

John W. West
676

1200 1600 2000 2400 2800 3200 3600 4000 4400 4800 5200 5600 6000

Lease No. - NM 2582

C. E. LaRue and B. N. Muncy, Jr.

Barnhill Federal No. 1

660' FNL and 1980' FWL Section 17, T14S R28E

Chaves County, New Mexico

Development Well

RECEIVED

FEB 11 1977

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

1. Existing Roads - Maps showing drillsite location and all existing roads are shown on Exhibit A. From Hagerman, New Mexico, go east for 10 miles on State Road 31, then north on an existing caliche road for $1\frac{1}{2}$ miles, then east on an existing caliche road for $\frac{3}{8}$ mile. From this point no road will be built as proposed location will start at road edge.
2. Planned access Roads - No access road will be constructed.
3. Existing Wells are shown on Exhibit A.
4. No gathering or production lines will be necessary as gas purchaser will install all necessary lines. No tank battery will be used as all gas indicates to be dry. All pads and access roads will be used for production and maintenance. If well is non-productive the drilling pad, will be ripped and restored in accordance with current rules.
5. There are no rivers, creeks, lakes, ponds or water wells in the entire lease area. All water for drilling purposes will be trucked to location over present access roads shown on Exhibit A from the nearest water supply at Hagerman, New Mexico.
6. Caliche pits will be the only source of material used in road and pad construction, location is shown on Exhibit A, in NE $\frac{1}{4}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 17. All material will be hauled over present roads as shown on Exhibit A.
7. All cutting and drilling fluid will be left in pits and covered after they have dried, which should be in 4 to 6 weeks. All garbage and trash will be kept in containers, placed in trash pit as shown on Exhibit C and covered when well is completed. No well in area has produced water or oil during drilling.
8. No camps or airstrips will be constructed.
9. See Exhibit C. There will be no lining used in mud pits. All equipment and transportation will use only access roads and drilling pad. Mud will be stacked on drilling pad adjacent to mud pump. Only minor leveling and caliche cover will be needed on drilling pad. No significant cuts or fills will be required other than construction of mud pits and reserve pit. The pad and pit area have been staked.
10. At completion of drilling and completion operation all equipment not necessary for well production will be removed, pits will be filled when dried, and trash pit will be covered when completion equipment is moved off. Pad will be ripped and restored according to current rules, if well is non-production, but will be used for operation and maintenance if well is production.
11. Area in general is fairly flat, with sand dunes cresting the principal changes in elevation. Mesquite and scrub oak are primary brush growth, with extremely scanty native grasses and fairly heavy weeds. All surface area is Federal land, as are all roads present and to be constructed. Topsoil is quite sandy, underlaid by caliche. Land is used for grazing purposes and is classed very low in number of livestock it will maintain because, the extremely sparse vegetation, and the fact there is no natural water above ground in the area for streams or ponds, and closest water well to this location is 5 miles east. Nothing has been observed in the area that would give indication of archaeological historical or cultural sites. There are no steep hillsides or gullies in the area where road and drilling pad are to be constructed and no drainage or erosion problems should be encountered. Road and pit construction will require little change other than blading and spreading caliche. Wildlife in the area is typical semi-arid natives, numbers of all are considerably less than average across most of this country. The only structure in area is an occupied ranch house with windmill, 5 miles east of proposed location.
12. Operators representative is B. N. Muncy, Jr. P. O. Box 196, Artesia, New Mexico 88210. Telephone Number (505) 746-6651.
13. I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I'm 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 assisted with the operations proposed herein will be performed by LaRue and Muncy and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

February 7, 1977

Date

Operator

Cariche P.T.S

C.E. LaRue and B.N. Muncy, Jr.

BARN HILL FEDERAL NO. 1
Exhibit 7

PROPOSED LOCATION
GAS WELL DAY HOLE
NEAR CHAN RANCH

Gas Well Day Hole

C.E. LaRue and B.N. Muncy, Jr.

BARNSHILL FEDERAL No. 1
NOLA FEDERAL No. 3

7.5 MINUTE SERIES (TOPOGRAPHIC)

GEOLOGICAL SURVEY

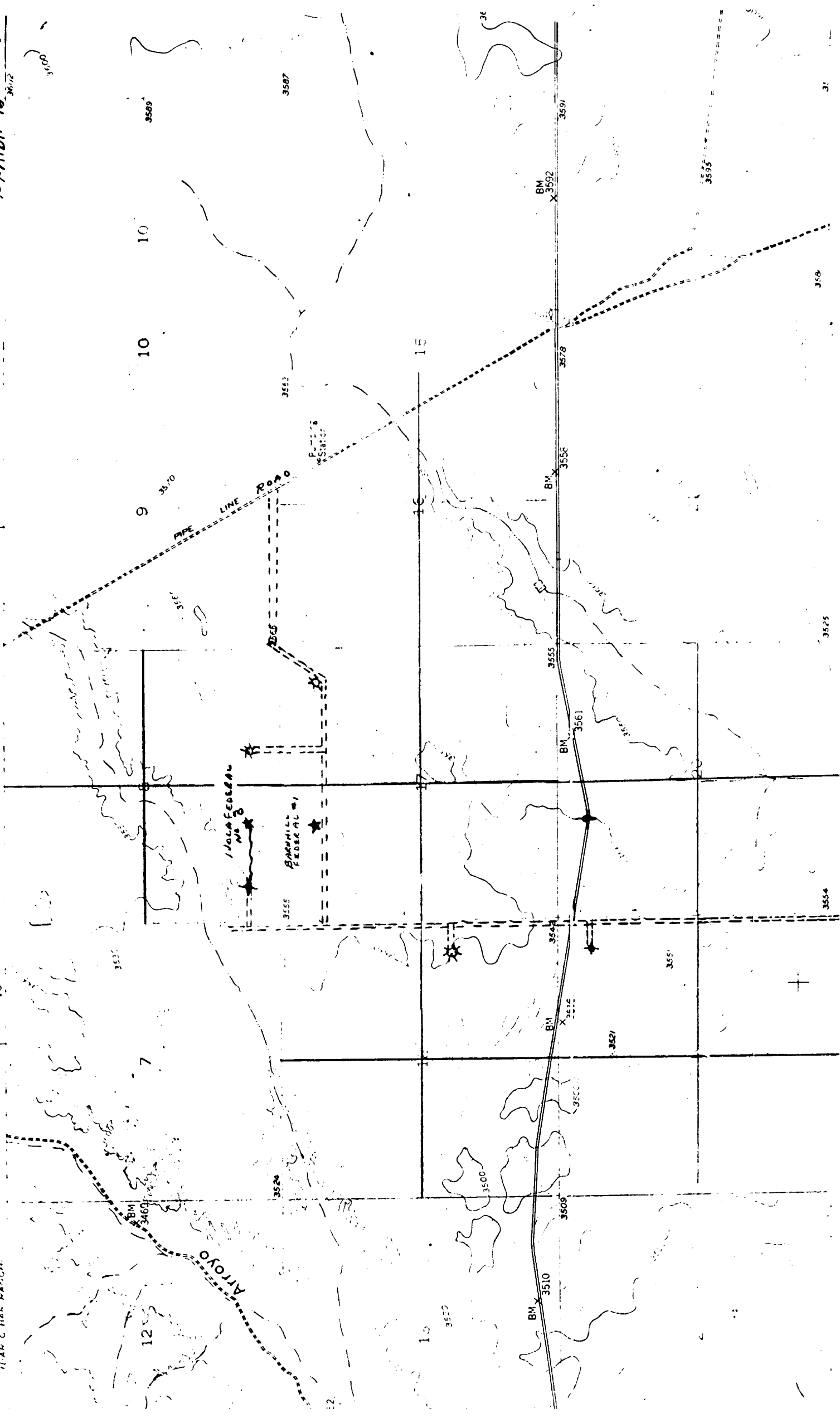
Exhibit B

1047307

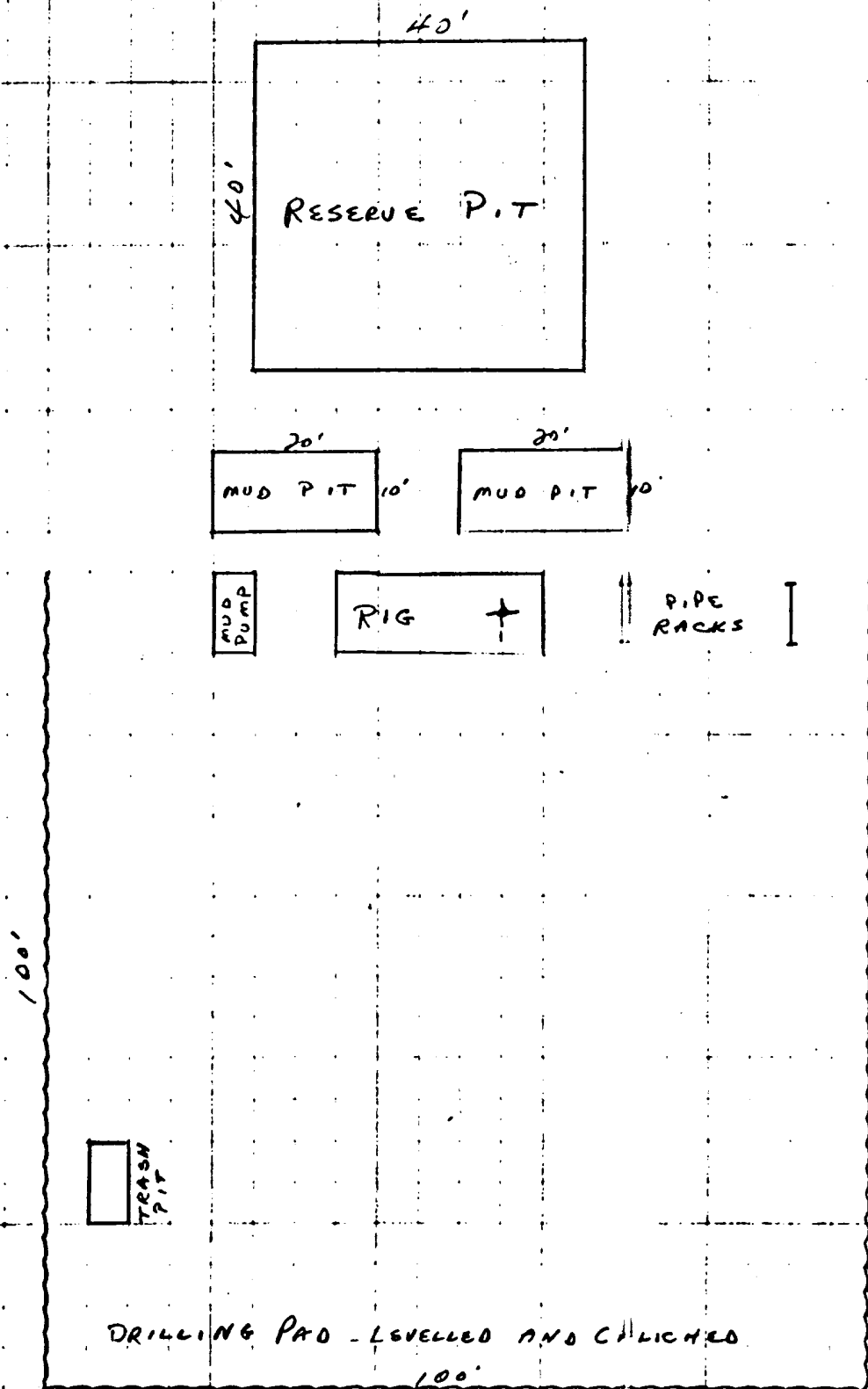
1/25000 FEET

10

3612



N - SCALE 1" = 20'



PITS WILL BE DUG TO COVER GARBAGE AND TRASH, WHICH WILL BE KEPT IN CONTAINERS UNTIL WELL IS COMPLETED.

BARNHILL FEDERAL No 1
C.E. LaRue and B.N. Muncy, Jr.

Exhibit C