

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-005-60436

## 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

1980' FNL and 660' FEL Section 8, T14S, R28E

At proposed prod. zone

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

12 Miles East of Hagerman, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

660'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

½ mile

## 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.)

3557.2 GL

## 22. APPROX. DATE WORK WILL START\*

July 15, 1977

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11½"	8 5/8"	29#	220'	150 Sacks-Circulated
7 7/8"	5½"	15½#	1560'	250 Sacks-Circulated

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Gas is not dedicated!

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 6/3/77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

JUL 7 1977

APPROVED BY

TITLE ACTING DISTRICT ENGINEER

DATE JUL 7 1977

CONDITIONS OF APPROVAL, IF ANY:

Subject to attached stipulations!

\*See Instructions On Reverse Side

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.  
EXPIRES OCT 7 1977

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DECLARATION PLAT

Form O-122  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the location.

Operator <b>Larue &amp; Muncy</b>		Lease <b>Nola Federal</b>		Well No. <b>4</b>
Section <b>H</b>	Section <b>8</b>	Range <b>14 South</b>	Meridian <b>28 East</b>	County <b>Chaves</b>
Actual Well Location (Well)				
<b>1980</b>		feet from the	<b>North</b>	<b>660</b>
feet from the			<b>East</b>	
Ground Level Elev. <b>3557.2</b>	Producing Formation <i>Gravelly</i>		Estimated Acreage <b>160</b>	

1. Outline the acreage dedicated to the subject well by colored pencil or ballpoint marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the owner of each (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

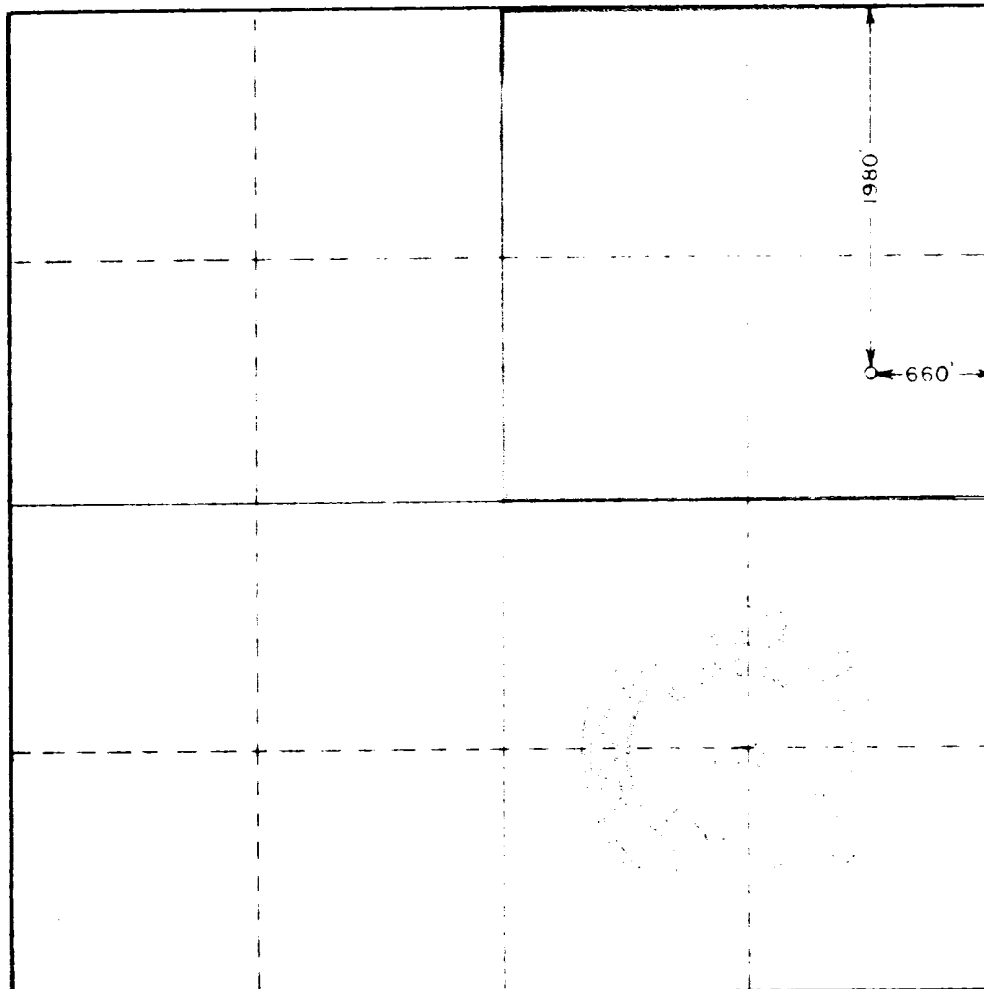
If answer is "no," list the owners and tract descriptions which have actually been consolidated (attach reverse side of this form if necessary.)

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.

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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.

*[Signature]*  
Operator  
**C.E. LaRue and B.N. Muncy, Jr.**

*[Signature]*  
**June 3, 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.

Date Surveyed  
**5-31-77**

Registered Professional Engineer and Land Surveyor

*[Signature]*  
Certificate No.

**676**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500

BUREAU OF LAND MANAGEMENT  
ROS WELL, NEW MEXICO

January 29, 1976

Lease # NM-24681  
Operator C.E. Lehman & D.N. Mearns, Jr.  
Well Name 4-Nola Federal  
Location Sec. 8, T-14-S, R-28-E

"STANDARD STIPULATIONS FOR ALL DRILLING  
IN RELATION TO OIL AND GAS ACTIVITIES  
IN THE ROS WELL DISTRICT"

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(The following list of 14 stipulations are some of the ~~most~~ commonly used stipulations for oil and gas drilling operations in the ~~Southwest~~ <sup>Geological Survey</sup> ~~ARTESIA~~ <sup>NEW MEXICO</sup> New Mexico. The blocks checkmarked in red designate the stipulations applicable to the particular drilling permit listed above. Special or additional stipulations (if any) are written in under #15.)

- ☒ 1. If, during operations, the operator or any person working in his behalf, discover any historic or prehistoric ruin, monument or site, or any object of antiquity subject to the Antiquities Act of June 8, 1906, (34 Stat. 225, 16 U.S.C. Secs. 431-433), and 43 CFR Part 3, then work will be suspended and the discovery promptly reported to the District Manager. The Bureau will then take such action as required under the Act and regulations thereunder. When directed by the District Manager, the operator will obtain, at his expense, a qualified archaeologist to examine and, if necessary, excavate or gather such ruins or objects.
- ☐ 2. All access roads constructed in conjunction with the drilling permit should be limited to \_\_\_\_\_ feet in width, along with turnouts. If well is a producer, all roads will be adequately drained to control runoff and soil erosion. Drainage facilities may include ditches, water bars, culverts and/or any other measure deemed necessary by the responsible BLM representative.
- ☐ 3. Each existing fence to be crossed by the permittee will be braced and tied off before cutting so as to prevent slacking of the wire. The opening will be protected as necessary during construction to prevent the escape of livestock and upon completion of construction, the fence will be repaired to BLM specifications. A cattleguard with an adjacent 12 foot gate will be installed in any fence where a road is to be regularly traveled.

☐ 4. When a road or construction in connection with the drilling operation breaks or destroys a natural barrier used for livestock controls, gap thus opened shall be fenced to prevent drift of livestock. Said fences shall be constructed according to BLM specifications.

☒ 5. Materials removed during construction must be disposed of in such a manner that it does not detract from the aesthetics and does not accelerate erosion. When clearing the area of operations of vegetation other than grass, the vegetation removed will be placed in drainages, washes, gullies, etc., and "walked down" by crawler type tractor. If no drainages are in the immediate area, the vegetation will be "walked down" in place. After construction has been completed, the affected area will be left in as aesthetically pleasing condition as possible. All trash resultant from construction activities will be disposed of. Any large rocks left as a result of construction activities will not be piled or left in rolls but will be left so they do not detract from the scenic attributes of the area and will not hinder the movement of livestock or big game animals.

☒ 6. Any "available topsoil" encountered during the construction of the drill site area will be stockpiled and made available for re-surfacing of the reserve pit area (after ~~the~~ <sup>JUL 27 1977</sup> covered) after completion of the drilling operation.

☒ 7. "Caliche" for use in the construction of the drill site and access road shall be obtained from existing authorized pits whenever possible, as determined by the responsible BLM representative. No new pits shall be opened without prior approval from the responsible BLM representative.

☒ 8. The "mud pits" shall be well constructed and under no circumstances will they be allowed to leak or be cut to drain. They shall not be located on natural drainages. Waste or discharge of any kind will not be allowed to enter any drainage. Any plastic material used to line pits and/or sumps shall be cut-off below ground level, as far down as possible, and disposed of before the pits are covered. All unattended pits, containing liquids, will be fenced and the liquid portion allowed to evaporate before the pits are broken.

☒ 9. All pits found to contain toxic liquids will be fenced and covered with a fine-mesh netting for the protection of wildlife as directed by the responsible BLM representative.

*1/2" or less*

- ☒ 10. All waste associated with the drilling operation will be buried in place (in a separate trash pit) or removed and deposited in an approved sanitary landfill. All garbage (metal containers will be crushed) and debris left on site will be buried at least three feet deep. All trash and debris will be buried or removed from the site within one month after removal of the drill rig. The permittee will comply with all state laws and regulations pertaining to the disposal of human waste.
- ☐ 11. If the well is a producer, during cleanup: all cut and fill banks will be made to be no steeper than \_\_\_\_\_ slope wherever possible.
- ☒ 12. The well "site", if a producer, will be maintained and kept clean of all trash and litter or other foreign material which detracts from the surrounding environment. Maintenance shall also include measures necessary to stabilize soil conditions (other than reseeding) on the road and pad area, and maintenance of facilities associated with said well, to the satisfaction of the District Manager for the lifetime of the well.
- ☒ 13. In the event the oil or gas test results in a dry hole, the drill pad and access road will be ripped in accordance with "BLM Roswell Districts' Ripping Recommendations for Caliche or Compacted Drill Pads and Access Roads" (3109). (Reseeding of the affected areas may be required at the discretion of the District Manager).
- ☒ 14. All structures above ground not subject to applicable conservation and safety requirements should be painted a non-glare, non-reflective, non-chalking color that simulates the natural colors of the site.

- ☒ 15. Special Stipulations:

*recommend Fed. Std. 595a (30318)  
for painting of all above ground  
structures.*

Lease No. NM 24681  
C. E. LaRue and B. N. Muncy, Jr.  
Nola Federal No. 4  
1980' FNL and 660' FEL Section 8, T14S, R28E  
Chaves County, N. M.  
Development Well

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1. Existing Roads - Maps showing drillsite location and all existing roads are shown on Exhibit A. From Hagerman, New Mexico, go east for 15 miles on State Road 31, then northwest on an existing caliche road for 7 miles, then west on road to be constructed for 9/10 miles.
2. Planned Access Roads - Road will be constructed for approximately 9/10 miles west from existing caliche road. Maximum width will be less than 12 feet and no turnouts will be constructed. Road will be surfaced with caliche in areas where required, with caliche to be transported from pits already in use and shown on attached maps. Nothing in proposed road area will require special drainage as surface is such that no culverts or special drainage facilities will be required. Center line of new road has been staked with flagging visible from one stake to another.
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, and such access road as not needed to reach other location 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 and to be constructed 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 and road to be constructed 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 operations 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. All access roads not needed for other producing well or lease will be ripped and restored in accordance with current rules as will the pad if well is non-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 southeast. 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 considerable 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.

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.

May 25, 1977

Date

B. N. Muncy, Jr.

Operator

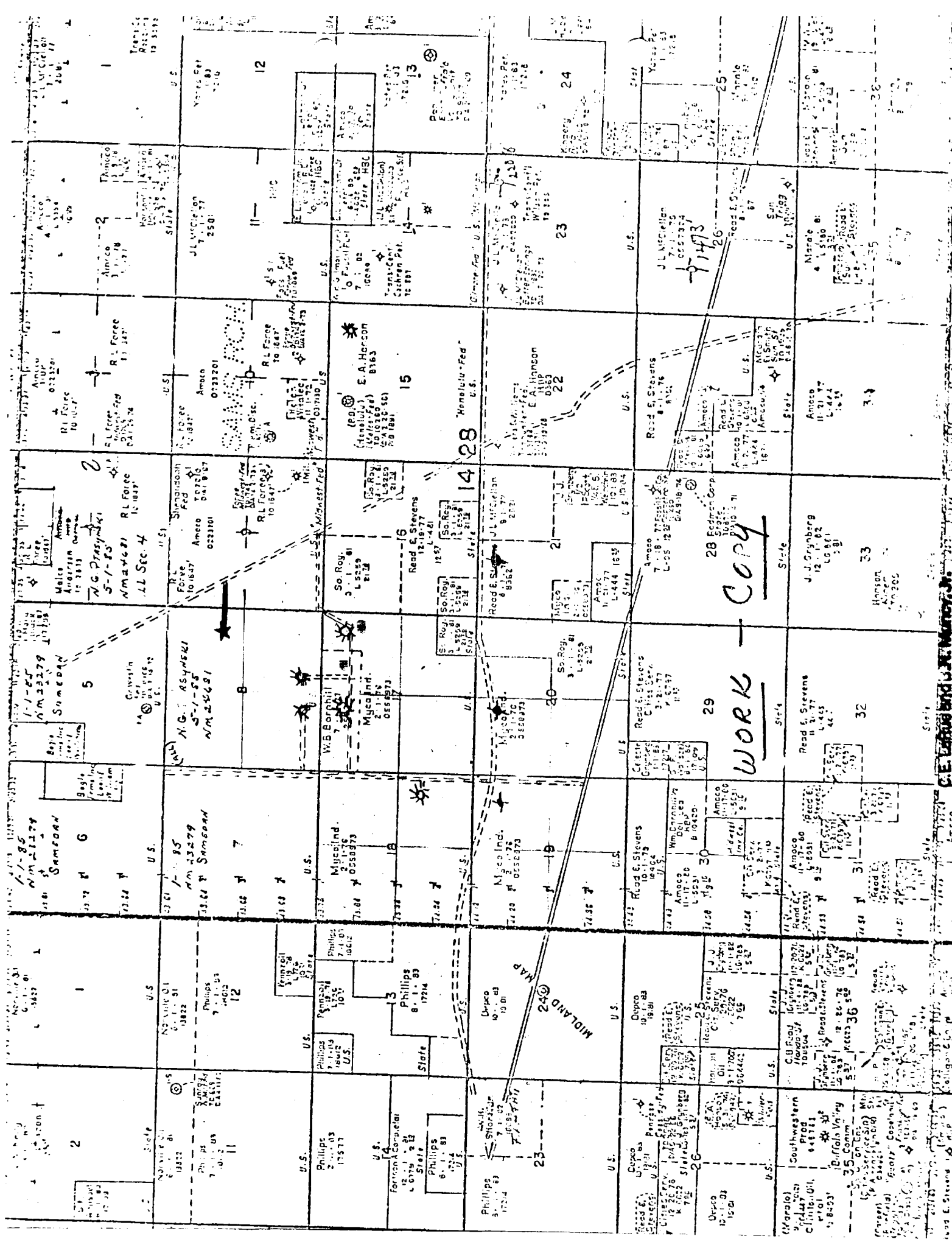
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 11  
 12  
 13  
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NOLA FEDERAL #4

EXHIBIT A





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

NO. 4 FEDERAL #4

GEOLO

7.5 MINUTE SERIES (TOPOGRAPHIC)

104730

BEAR C BAR RANCH

ROSAVAL

560,000 FEET

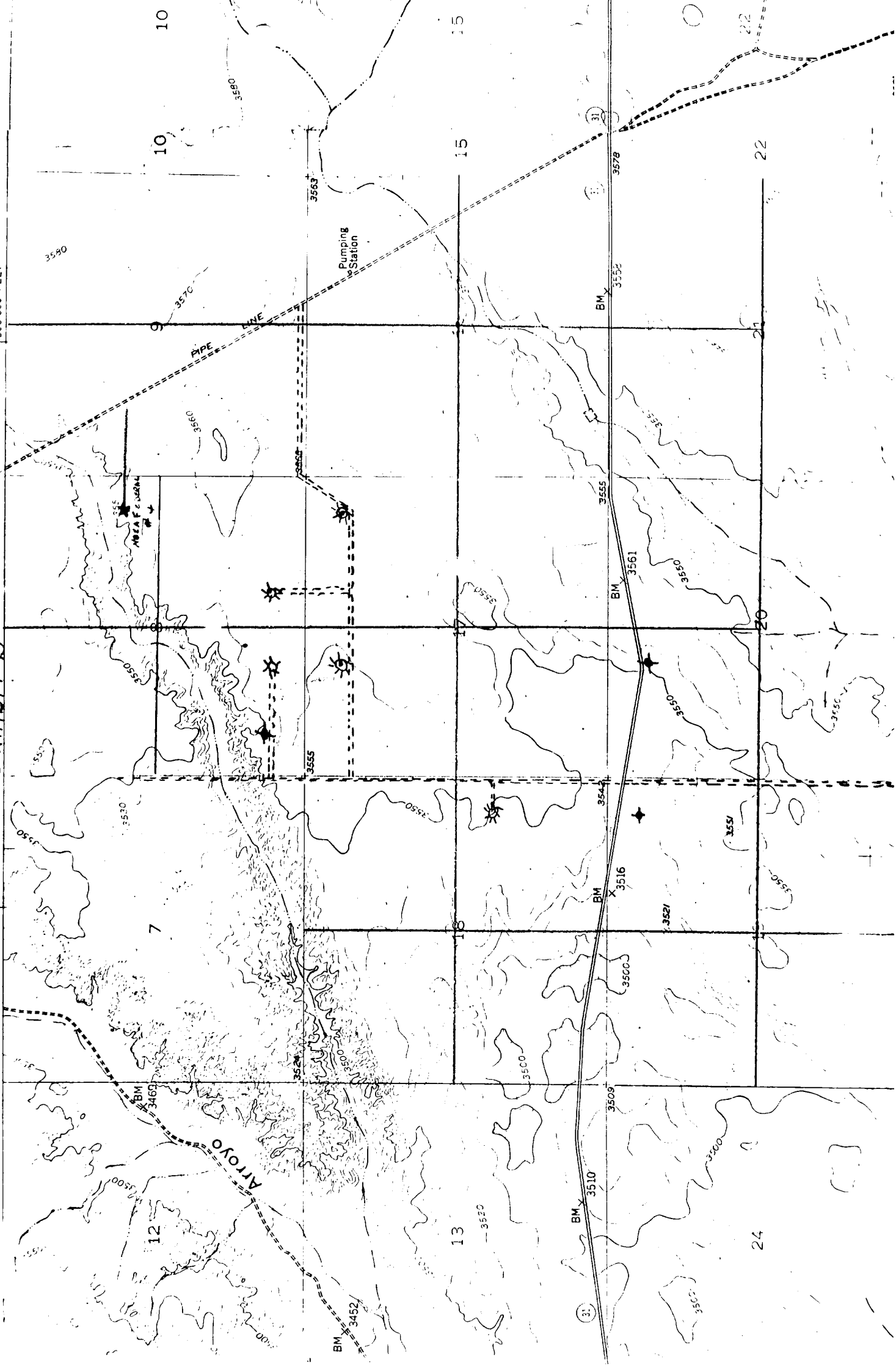
EXHIBIT B

PROPOSED  
LOCATION

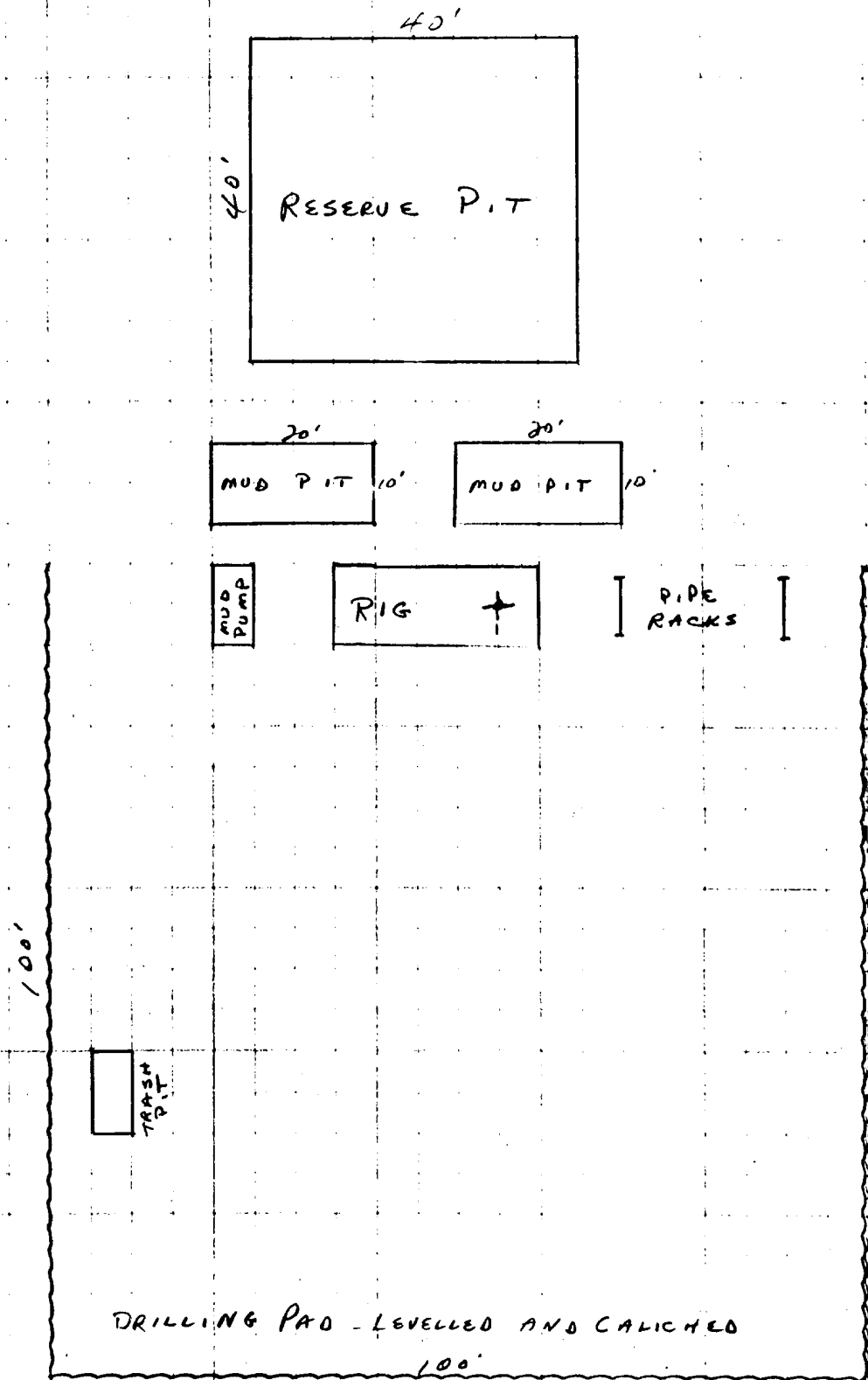
GAS WELL

DRY HOLE

PROPOSED  
ROAD



N SCALE 1"=20'



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

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

NOLA FEDERAL #4

EXHIBIT C.

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