

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

0015

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Ralph Nix ✓

3. ADDRESS OF OPERATOR

P. O. Box 617, Artesia, New Mexico 88210

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

At surface

330' FNL & 330' FWL, Section 23, T6S, R10E

At proposed prod. zone

Glorieta

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

10 miles north of Carrizozo

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

1,040

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

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

19. PROPOSED DEPTH

2,000

20. ROTARY OR CABLE TOOLS

Rotary

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

5443' GR

22. APPROX. DATE WORK WILL START*

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#	350'	circulate
7 7/8	4 1/2	10.5#	2000'	200 sx

8" Reagan BOP will be used.

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

Ralph Nix

TITLE

Operator

DATE

9/10/79

(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

**NEW MICO 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 RALPH NIX			Lease RALPH - FEDERAL			Well No. 1		
Unit Letter D	Section 23	Township 6 SOUTH	Range 10 EAST	County LINCOLN				
Actual Footage Location of Well:								
330		feet from the NORTH		330		feet from the WEST		
Ground Level Elev. 5443	Encasing Formation Glorieta		Pool Wildcat		Dedicated Acreage 40 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?

RECEIVED

OCT 5 1979

**O. O. C.
ARTESIA, OFFICE**

☐ 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

Position

Operator

Company

Ralph Nix Oil

Date

9/10/79

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

JULY 17, 1979

Registered Professional Engineer
and/or Land Surveyor

James A. Matthews Jr.

Certificate No.

1502

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600



UNITED STATES DEPARTMENT OF THE INTERIOR

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OCT 5 1979

GEOLOGICAL SURVEY

P. O. Drawer U
Artesia, New Mexico 88210

O. C. C.
ARTESIA, OFFICE

October 3, 1979

Ralph Nix
P. O. Box 617
Artesia, New Mexico 88210

Gentlemen:

RALPH NIX
Ralph Federal No. 1
330 FNL 330 FWL Sec. 23 T. 6S R. 10E
Lincoln County Lease No. NM 35478

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 2,000 feet to test the Glorieta formation is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

1. Drilling operations authorized are subject to compliance with the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, dated July 1, 1978.
2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the SURFACE USE PLAN and this approval including the GENERAL REQUIREMENTS.
3. Submit a Daily Report of Operations from spud date until the Well Completion Report (form 9-330) is filed. The progress report should be not less than 8" x 5" in size and each page should identify the well.
4. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Requirements. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
5. Cement behind the 12 1/4" casing must be circulated.
6. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

George H. Stewart

George H. Stewart
Acting District Engineer



RALPH NIX - RALPH FEDERAL #1
330' FNL & 330' FWL, Section 23-6S-10E
Lincoln County, New Mexico

To Be Attached to Form 9-331C

1. Surface formation: Chinle Formation, red shell and red silt stone.
2. Geologic Markers Anticipated: San Andres approximately 1150', Glorieta approximately 1850'.
3. Surface water: Approximately 200'.
Oil and gas shows: Approximately 1150'.
4. Casing program: See form 9-331C.
5. Pressure control equipment: Reagan 8" 900 Series Flange BOP.
6. Mud program: gel, lime and LCM, 34-36 viscosity gel mud, water loss - 20 cc or less, mud weight 8.5 - 9 ppg.
7. Auxilliary equipment: Will use float at bit and kelly cocks.
8. No drill stem test: 10' samples from surface to TD.
Types of log: Compensated Neutron Formation Density and Dual Laterolog Micro-SFL.
9. No abnormal pressures or temperatures expected.
10. Anticipated starting date: As soon as rig is available.

RALPH NIX - RALPH FEDERAL #1
330' FNL & 330' FWL, Section 23, T-6-S, R-10-E
Lincoln County, New Mexico
Wildcat Well

1. EXISTING ROADS: See Plat (Exhibit A) showing drillsite location and all existing roads. From Carrizozo, New Mexico, go north for 11 miles on paved US Road 54, then west on an existing bladed road for 3 miles, then south for 2 miles on existing bladed road, then east 330' on road to be constructed. No gates or turnouts needed.
2. PLANNED ACCESS ROADS: See Plat (Exhibit A). Road will be constructed for approximately 330' east from existing road. 12 feet will be bladed and watered as needed. There will be no fences to cut; no gates, culverts or turnouts required. Center line of new road will be staked with flags, visible from one stake to another.
3. LOCATION OF EXISTING WELLS: Shown on Exhibit A.
4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION, GATHERING AND SERVICE LINES: In the event that the well is productive, the necessary production facilities will be installed on drilling pad. If the well is a producer of oil, a gas or diesel self-contained unit will be used to produce the necessary power.
5. LOCATION AND TYPE OF WATER SUPPLY: Fresh water supply for drilling to be hauled to location from any available commercial source using the present roads and the access road to be constructed, shown in Exhibit A.
6. SOURCE OF CONSTRUCTION MATERIAL: If needed, would be in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 15, T-6-S, R-10-E.
7. METHODS FOR HANDLING WASTE DISPOSAL: Well cuttings 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 in Exhibit B and covered when well is completed. In the event any oil or water is found, it will be accumulated and hauled away periodically.
8. ANCILLARY FACILITIES: None.
9. WELL SITE LAYOUT: (rig, tanks, pits, racks, etc.) See Exhibit B. There will be no lining used in mud pit. All equipment and transportation will use only access roads and drilling pad. Mud will be stacked on drilling pad adjacent to mud pump. Minor leveling and water on surface as needed. No significant cuts or fills will be required other than construction of mud pits and reserve pit. The pad and pit will be staked when the location has been approved.
10. PLANS FOR RESTORATION OF SURFACE: If productive, mud pit will be fenced and used as burn pit. Location will be cleaned and all surplus material removed. Upon abandonment, all pits will be filled and levelled. Location will be cleaned and surface restored to near original or in compliance with BLM stipulations.
11. OTHER INFORMATION:
 - (a) Land surface is low rolling hills.
 - (b) Soil is sandy with small rocks, which are from the Chinle formation, red shell and red silt stone.
 - (c) Vegetative cover is mormon tea, broom-snakeweed, thistle, sparse black gramma, and other native grass.
 - (d) Nearest occupied dwelling is ranch house approximately 3 $\frac{1}{2}$ miles Northwest.
 - (e) Land use is cattle grazing.
 - (f) Surface is BLM.
 - (g) Nothing has been observed in the area that would indicate an archeological, historical, or cultural site.
 - (h) Nearest dirt tank is approximately 1/4 mile away and nearest windmill is 1 3/4 miles.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVES: Ralph Nix or William J. McCaw, P. O. Box 617, Artesia, New Mexico 88210. Phone: 746-2341

13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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 Ralph Nix and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

9/10/77
Date

William J. McCaw Operations Manager
Name and Title

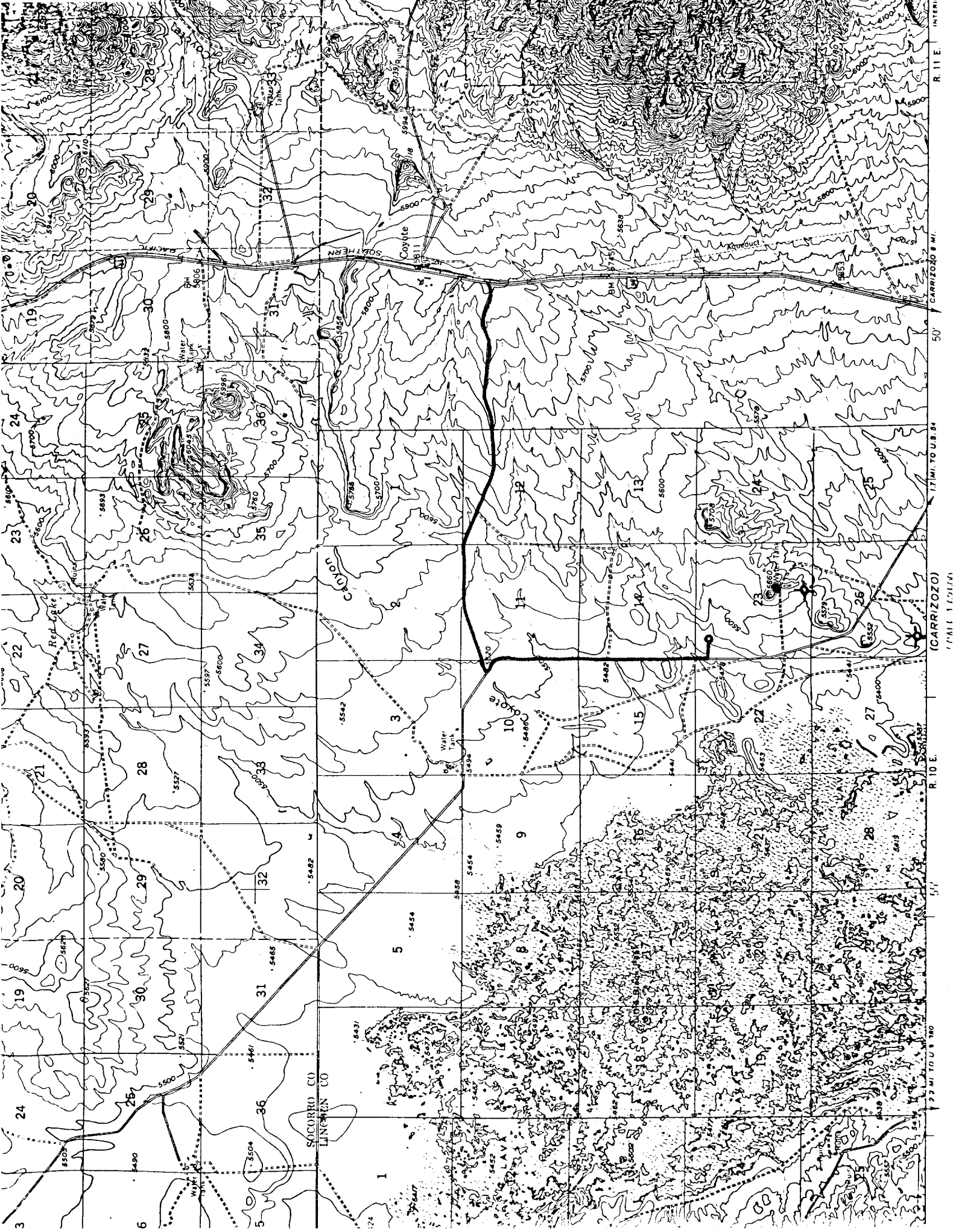


EXHIBIT "A"

Proposed Location
Road To Be Constructed
Existing Blade Road
U.S. Highway 54
Water Well
Dry Well

33°45' 105°45'

INTERIOR GEOLOGICAL SURVEY WASHINGTON D. C. 20515

R. 11 E. 50' CARRIZO 8 MI. 17 MI. TO U.S. 84 R. 10 E. 51' 22 MI. TO U.S. 84

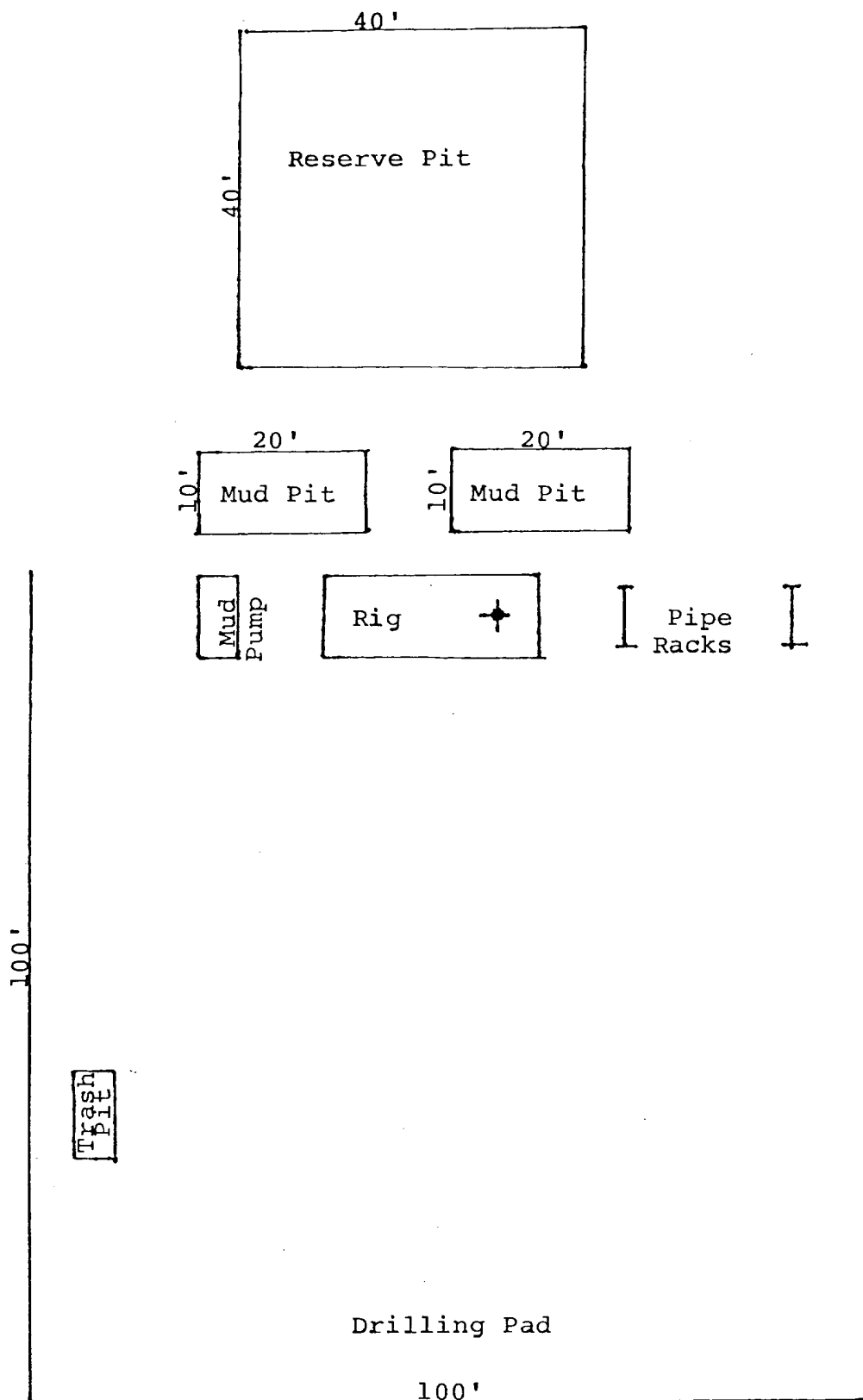
(CARRIZO)

MADE 1/2/51/4

T. 6 S.

NORTH

SCALE 1" = 20'



Pits will be dug to cover garbage and trash, which will be kept in containers until well is completed.

RALPH NIX - OPERATOR
"RALPH FEDERAL #1"
EXHIBIT 'B'