

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

RAULI PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

103 N. Pennsylvania, Roswell, New Mexico 88201

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

At surface 860' FSL & 660' FSL

At proposed prod. zone Same

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

Approx. 13 miles southeast of Dunlap, New Mexico by road

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.

N/A

16. NO. OF ACRES IN LEASE

1120

19. PROPOSED DEPTH

4400'

17. NO. OF ACRES ASSIGNED

TO THIS WELL
160.00

20. ROTARY OR CABLE TOOLS

Rotary

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

4138.0'

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#	1200'	Circulate to Surface
7-7/8"	4 1/2"	10.5#	4400'	Sufficient to cover all pay zones; 800 sacks Class "G"

(See Reverse for Cement)

Mud Program: See Exhibit "G"

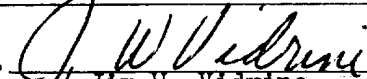
BOP Program: See Exhibit "E"

Gas 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


Jim W. Vidrine

TITLE

Manager

DATE

6/30/82

(This space for Federal or State office use)

PERMIT NO.

(Orig. Sgd.) GEORGE H. STEWART

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
API 88K
7-30-82

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plat, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE : 1981 O - 345-739

Cement Program Exhibit "F"

12 $\frac{1}{4}$ " hole/8-5/8" Casing:

625sx HLW containing 5#/sx Gilsonite.
1 $\frac{1}{4}$ #/sx Flocele, 4% CaCl followed with
125sx class "C" tail with cement containing 2% CaCl and 1 $\frac{1}{4}$ #/sx Flocele.

7 7/8" hole/4 $\frac{1}{2}$ " Casing:

820sx HLW, 10#/sx salt, 1 $\frac{1}{4}$ #/sx Flocele,
tail in with 350sx class "C" 5#/sx KCL,
.3% Halad 4, .2% CFR-2.

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

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

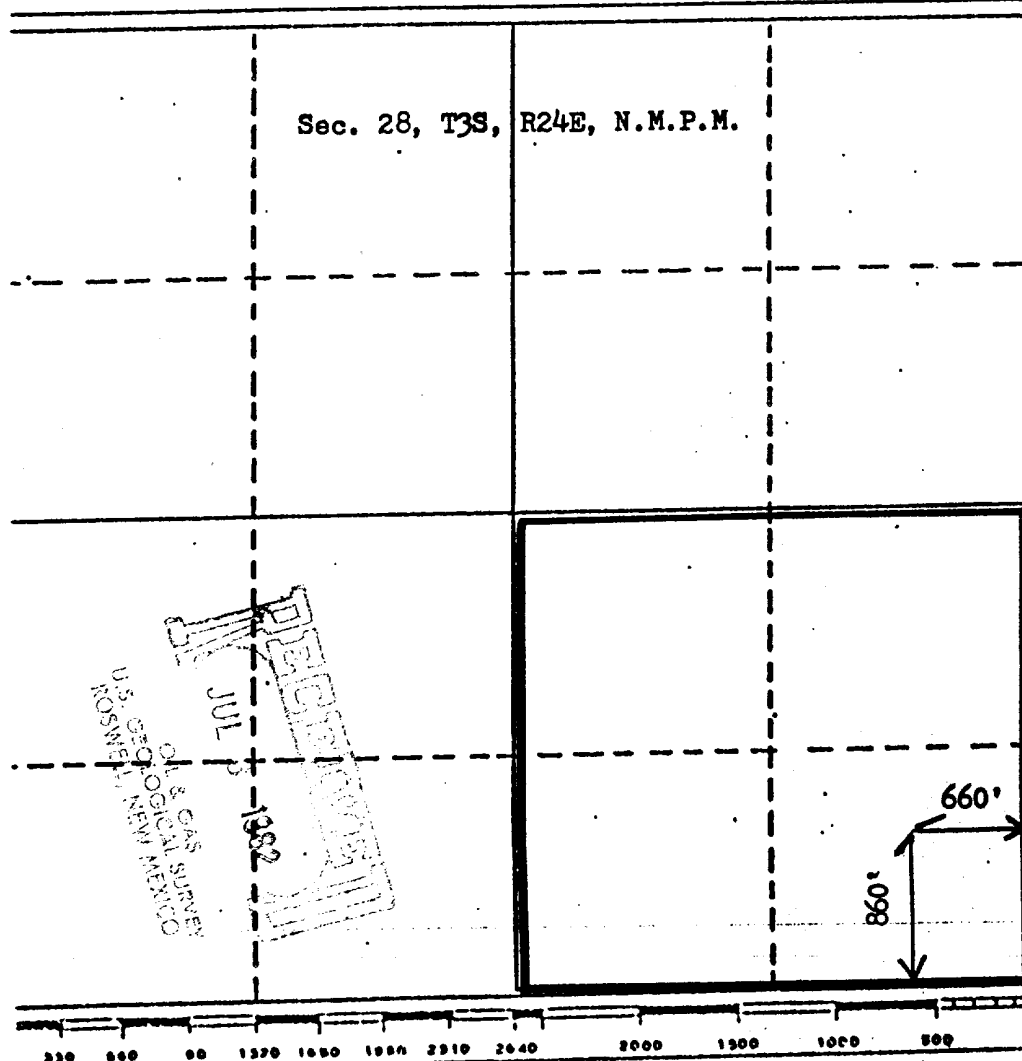
Operator RAULT PETROLEUM CORPORATION		Lease Lightfoot Federal		Well No. 1	
Well Letter P	Section 28	Township 3South	Range 24East	County DeBaca	
Actual Footage Location of Well: 860 feet from the South line and 660 feet from the East line					
Sound Level Elev. 4138'	Producing Formation ABO Sand	Pool ABO	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 Division.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Randy Van Watts

Name
Randy Van Watts

Position
Agent for

Company
Rault Petroleum Corporation

Date
June 30, 1982

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.

JOHN D. JAQUESS
NEW MEXICO
Registered Professional Engineer
and/or Land Surveyor
Certificate No. 6290

APPLICATION FOR DRILLING

Rault Petroleum Corporation

Lightfoot Federal Well No. 1

Chaves County, New Mexico

In conjunction with Form 9-311C, Application for Permit to Drill subject well, Rault Petroleum Corporation submits the following ten items of pertinent information in accordance with USGS requirements:

1. The geologic surface formation is Permian.
2. The estimated tops of geologic markers are as follows:

San Andres	0'
Glorieta	1377'
Yeso	1669'
Tubb	2927'
Abo	3477'

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: Approximately 490 feet.
Gas : Abo: Approximately 3477 feet.

4. Proposed Casing Program: See Form 9-331C and Exhibit "F".
5. Pressure Control Equipment: See Form 9-331C and Exhibit "E".
6. Mud Program: See Exhibit "G".
7. Auxiliary Equipment: See Exhibit "H".
8. Logging:
Logging Unit from 1200' to TD.
Electric Log Program:
Gamma/Neutron Density Porosity Log
Gamma/Dual Laterolog 8
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible.

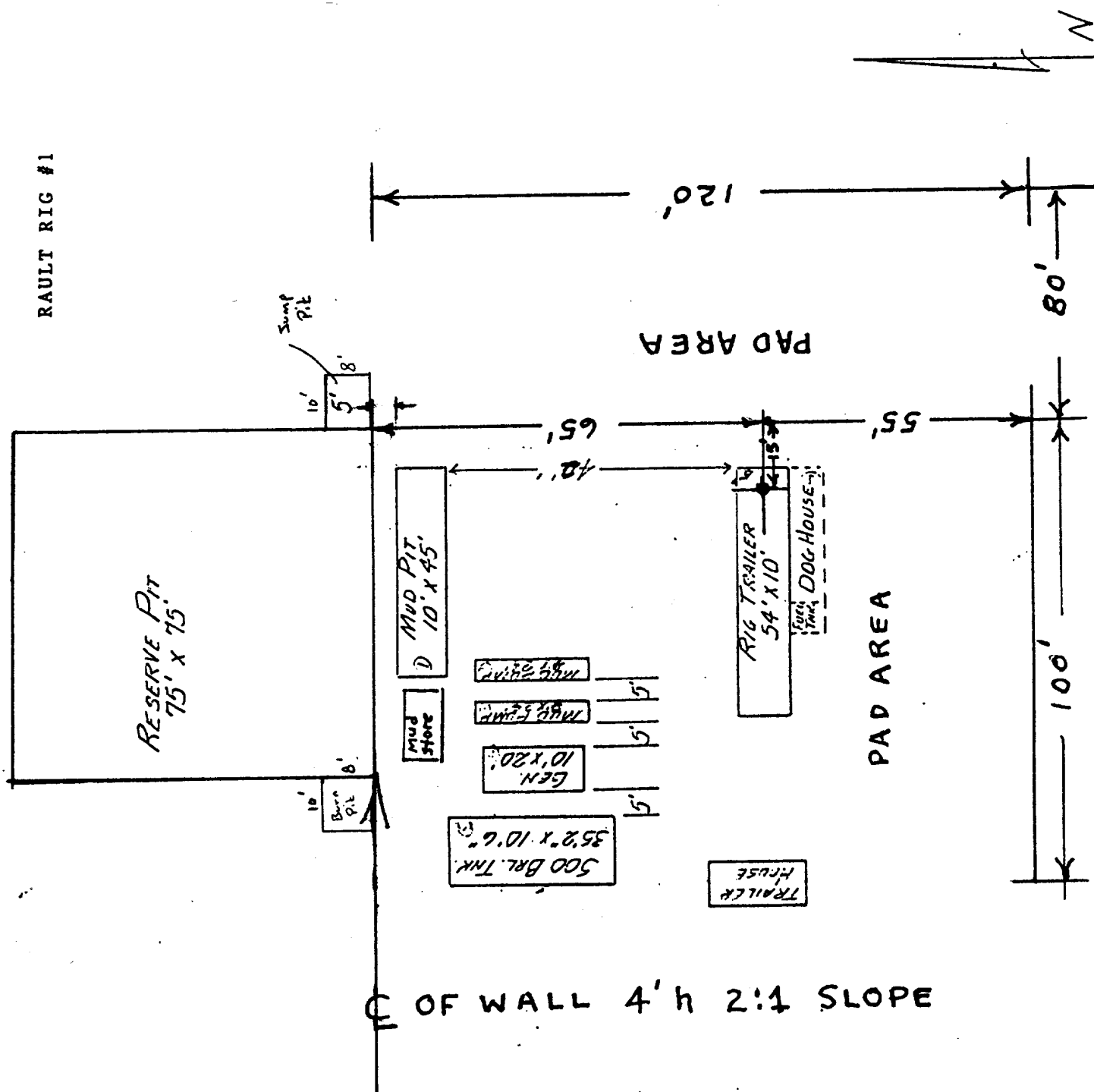


EXHIBIT "D"

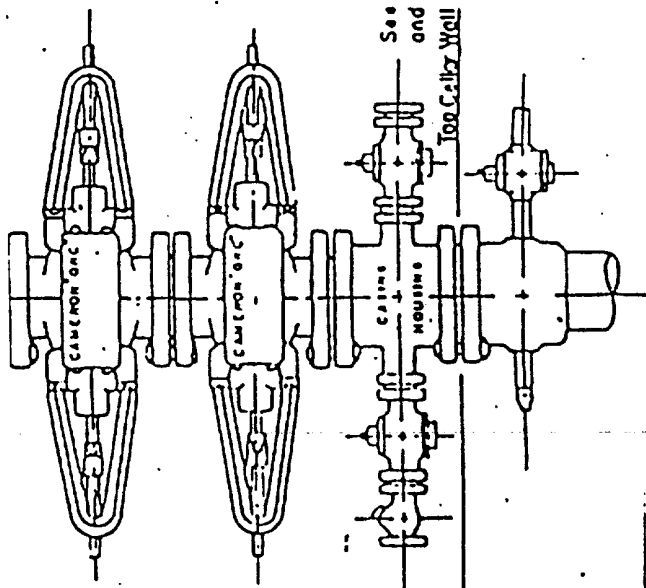
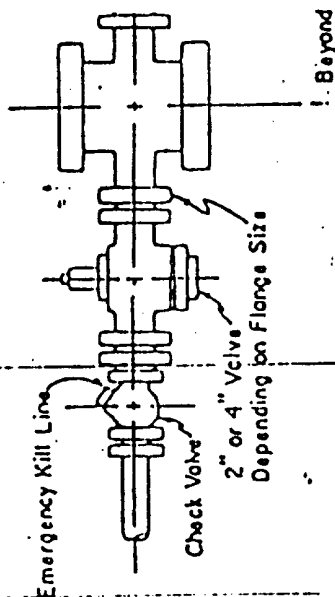
RIG LAYOUT

RAULT PETROLEUM CORPORATION

Lightfoot Federal Well #1

660' FEL & 860' FSL, Sec. 28-T3S-R24E

DeBaca County, New Mexico



3,000
KILL, CHO

DETAIL OF 4"

Minimum assembly for 3,000 PSI working
The bottom and middle preventers may be

NOTE: HYDRIL not installed on sh:
RAM type BOPs are API 10" ;

3,000 PSI WORKING PRESSURE
BLOW-OUT PREVENTER HOOK-UP

EXHIBIT "E"
PRESSURE CONTROL EQUIPMENT
RAULT PETROLEUM CORPORATION
Lightfoot Federal Well #1
660' FEL & 860' FSL, Sec. 28-T3S-R24E
DeBaca County, New Mexico

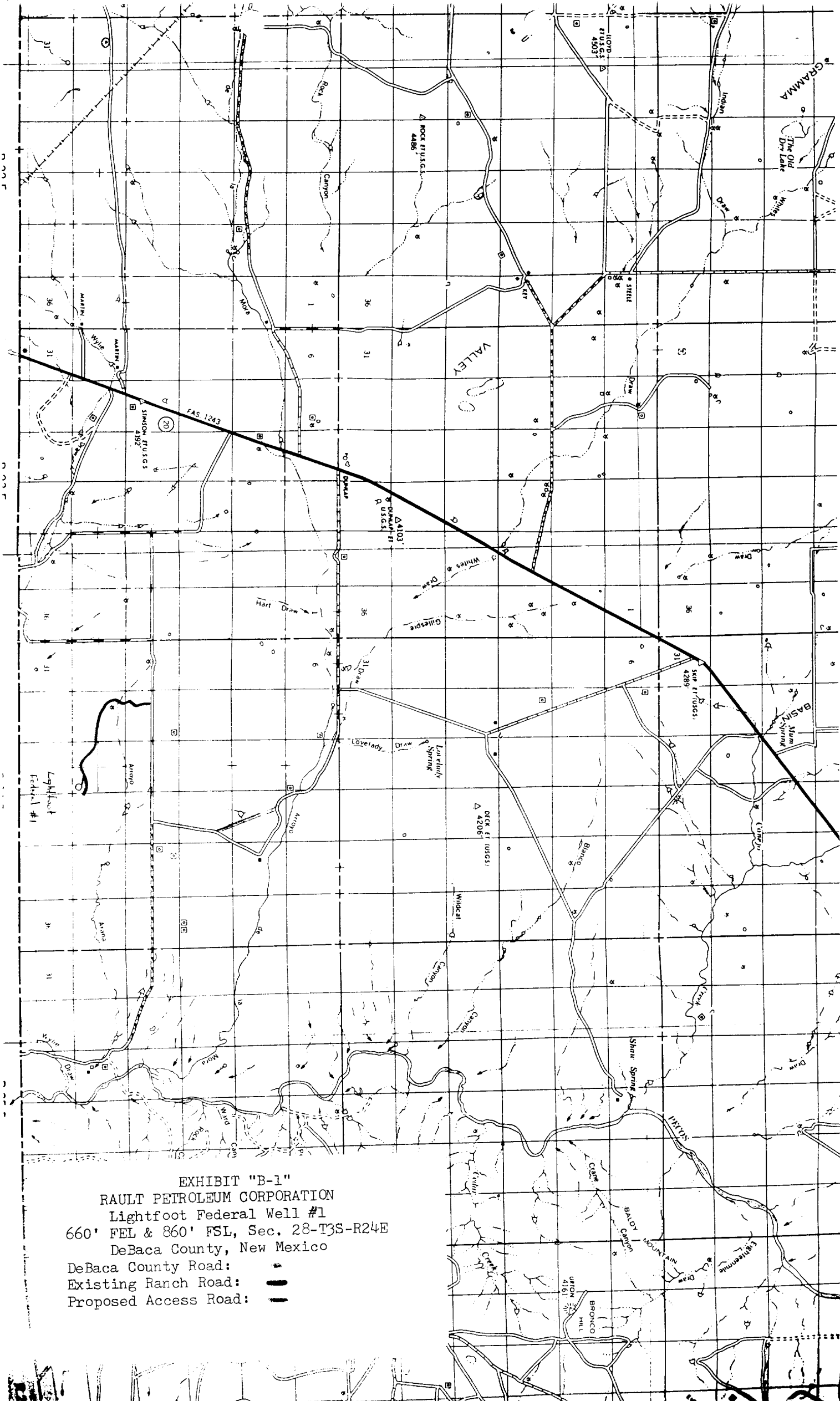


EXHIBIT "B-1"
RAULT PETROLEUM CORPORATION
Lightfoot Federal Well #1
660' FEL & 860' FSL, Sec. 28-T3S-R24E
DeBaca County, New Mexico
DeBaca County Road: —
Existing Ranch Road: ==
Proposed Access Road: ==