

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

David C. Collier,

3. ADDRESS OF OPERATOR

Post Office Box 481, Artesia, New Mexico 88210

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

At surface

990' FSL and 1650' FEL

At proposed prod. zone

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

20 miles east-northeast of Artesia

15. DISTANCE FROM PROPOSED*

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

330'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.approx.
660'

16. NO. OF ARTESIA OFFICE

O. C. D.

19. PROPOSED DEPTH

2500'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3677' Grd.

22. APPROX. DATE WORK WILL START*

May 15, 1986

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24#	250/280 300'	Sufficient to circulate
7 7/8"	4 1/2" - 5 1/2"	10.5# - 15.5#	2400'	200 sxs.

Pay zone will be selectively perforated and stimulated as needed for optimum production.

Attached are: 1. Well location and acreage dedication plat.
2. Supplemental Drilling Data.
3. Surface use plan.

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 Agent

DATE May 12, 1986

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

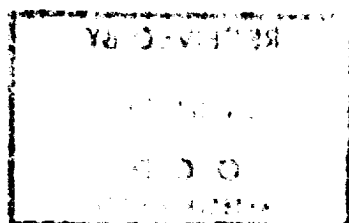
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED



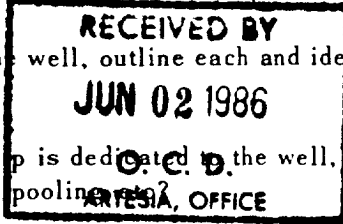
NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 1-111
Supersedes C-128
Effective 1-1-61

All distances must be from the outer boundaries of the Section

Operator J. T. HAILE LTD.			Lease Rosewood Federal			Well No. 1		
Unit Letter 0	Section 15	Township 16 South	Range 29 East	County Eddy				
Actual Footage Location of Well: 990 feet from the South line and 1650 feet from the East line								
Ground Level Elev. 3677.	Producing Formation Permian		Pool Permian			Dedicated Acreage: 40 Acres		

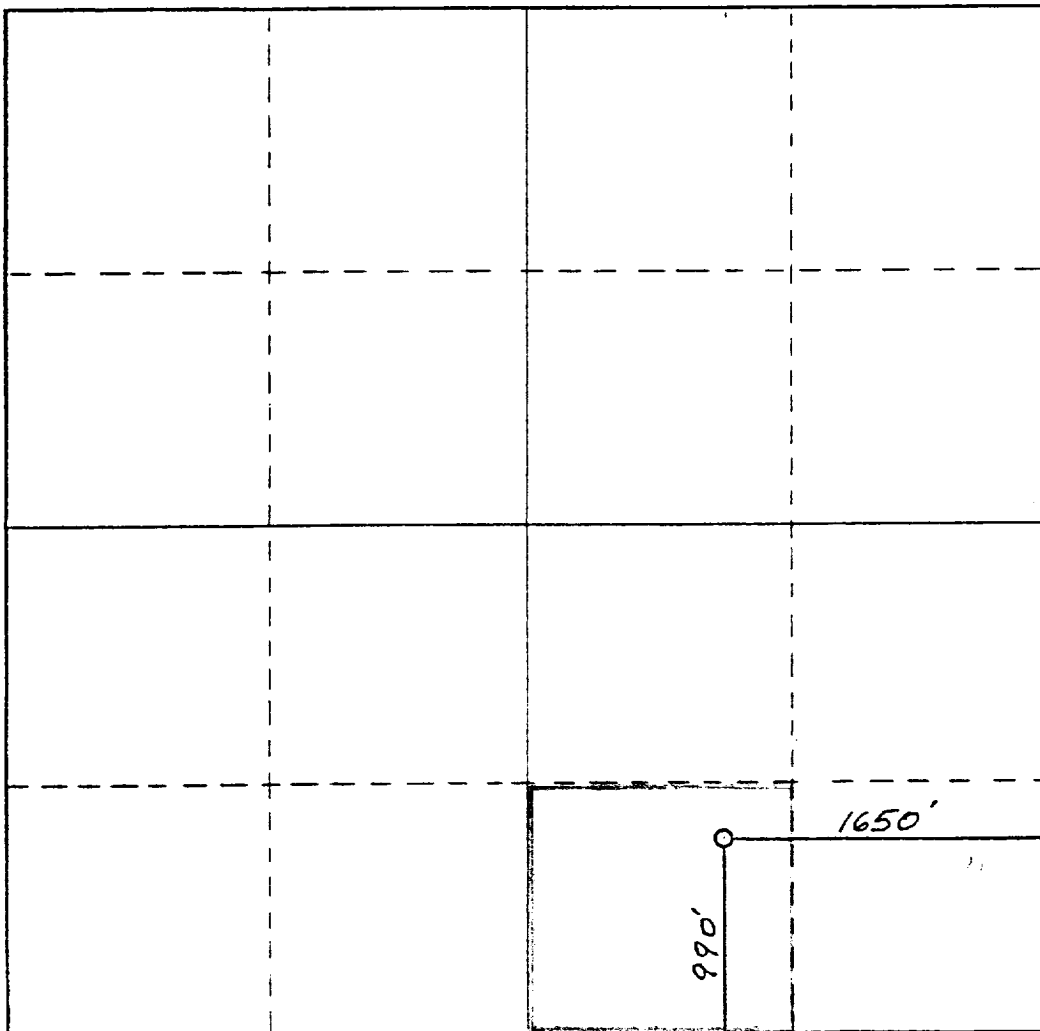
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force pooling, or otherwise?



☐ 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.

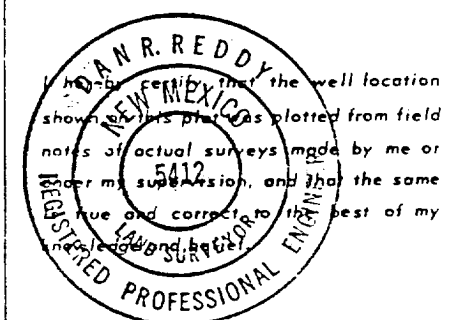
D. G. Belf
Name

AGENT
Position

J.T. Haile LTP
Company

5/14/85
Date

Date



Date Surveyed

May 8, 1986

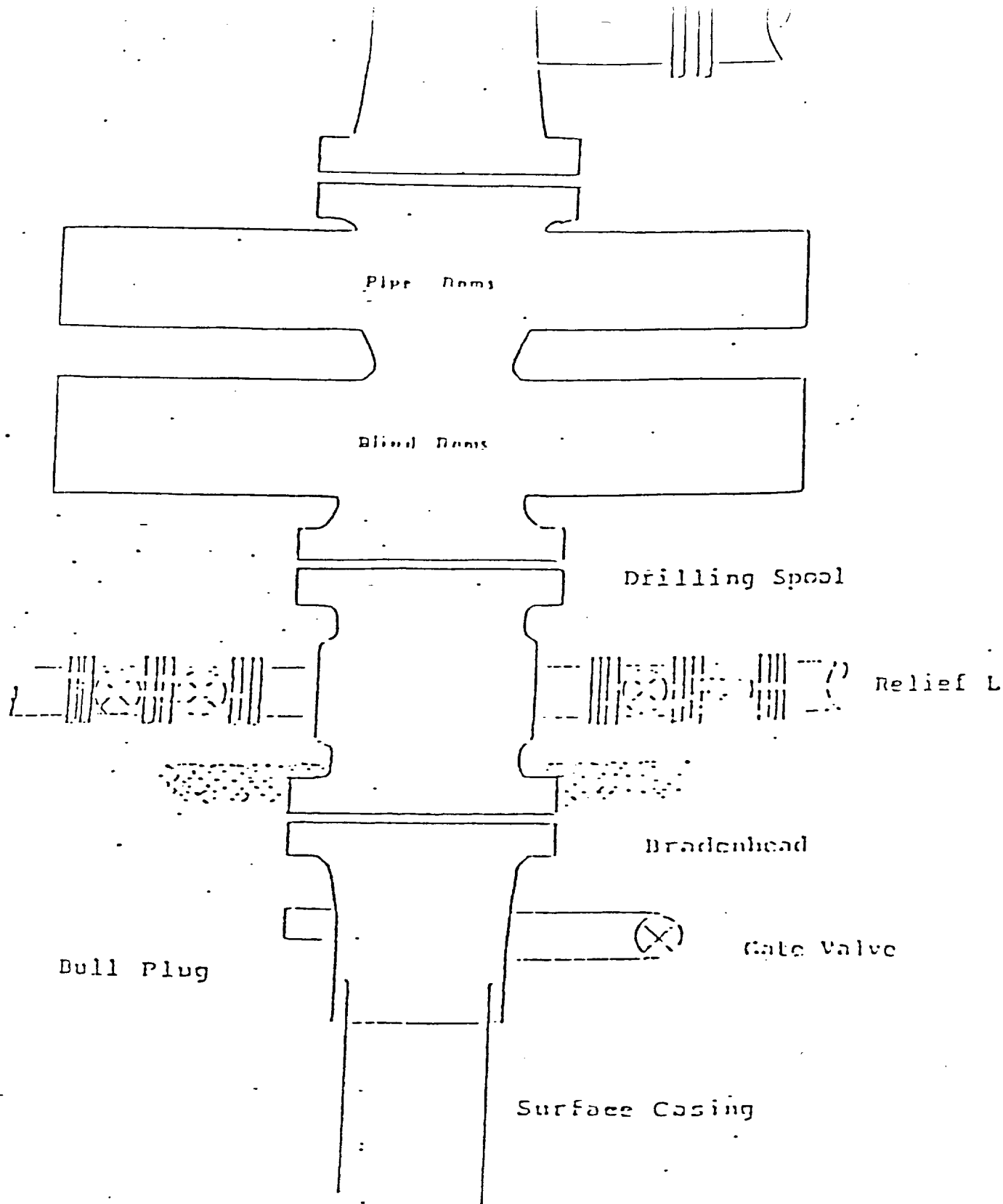
Registered Professional Engineer
and Land Surveyor

D. R. Reddy
Certificate No.

NEW PE&LS NO. 5412

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900





Series 900 Double Gate BOP, rated
at 3000 psi Working Pressure

BLOWOUT PREVENTER ARRANGEMENT

J. T. HAILE PETROLEUM, LTD.
ROSEWOOD FEDERAL #1
Sec. 15, T16S, R29E
Eddy County, New Mexico

SUPPLEMENTAL DRILLING DATA

DAVID C. COLLIER
ROSEWOOD FEDERAL #1
SW/4 SE/4 SECTION 15-16S-29E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Sandy soil of Quaternary Age.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Anhydrite	250'	Seven Rivers	920'
Salt	280'	Queen	1510'
Base Salt	620'	Penrose	1740'
Yates	770'	Grayburg	1900'

3. ANTICIPATED POROSITY ZONES:

Water: Above 150'
Oil: Seven Rivers, Queen and Grayburg

4. CASING DESIGN:

Size	Interval	Weight	Grade	Joint
8 5/8"	0 - 280'	24.0#	K-55	STC
4 1/2" - 5 1/2"	0 - 2400'	10.5# / 15.5#	J-55	STC

5. PRESSURE CONTROL EQUIPMENT: An annular or a double ram-type preventer.

6. CIRCULATING MEDIUM:

0' - 280' Fresh water mud with gel or lime as needed for viscosity control.

280' - 1500' Brine water.

1500' - 2400' Salt water mud, conditioned as necessary for control of viscosity and water loss.

7. AUXILIARY EQUIPMENT: Drill string safety valve.

8. TESTING, LOGGING AND CORING PROGRAMS: No coring or DST's are planned. Electric logs will include a CNL-FDC w/GR.

9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about May 15, 1986. Duration of drilling, completion and testing operations should be 10 to 40 days.

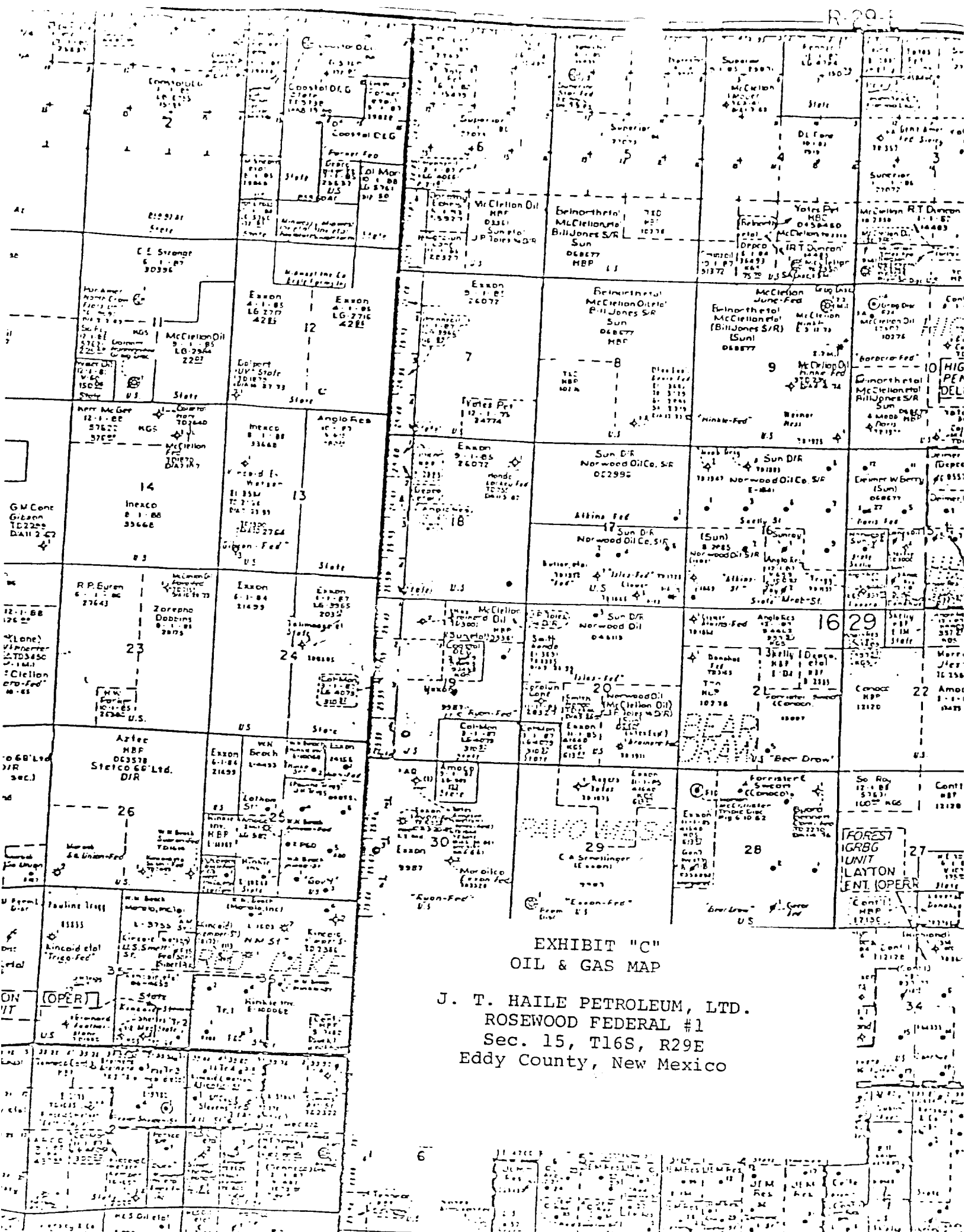


EXHIBIT "C"
OIL & GAS MAP

J. T. HAILE PETROLEUM, LTD.
ROSEWOOD FEDERAL #1
Sec. 15, T16S, R29E
Eddy County, New Mexico

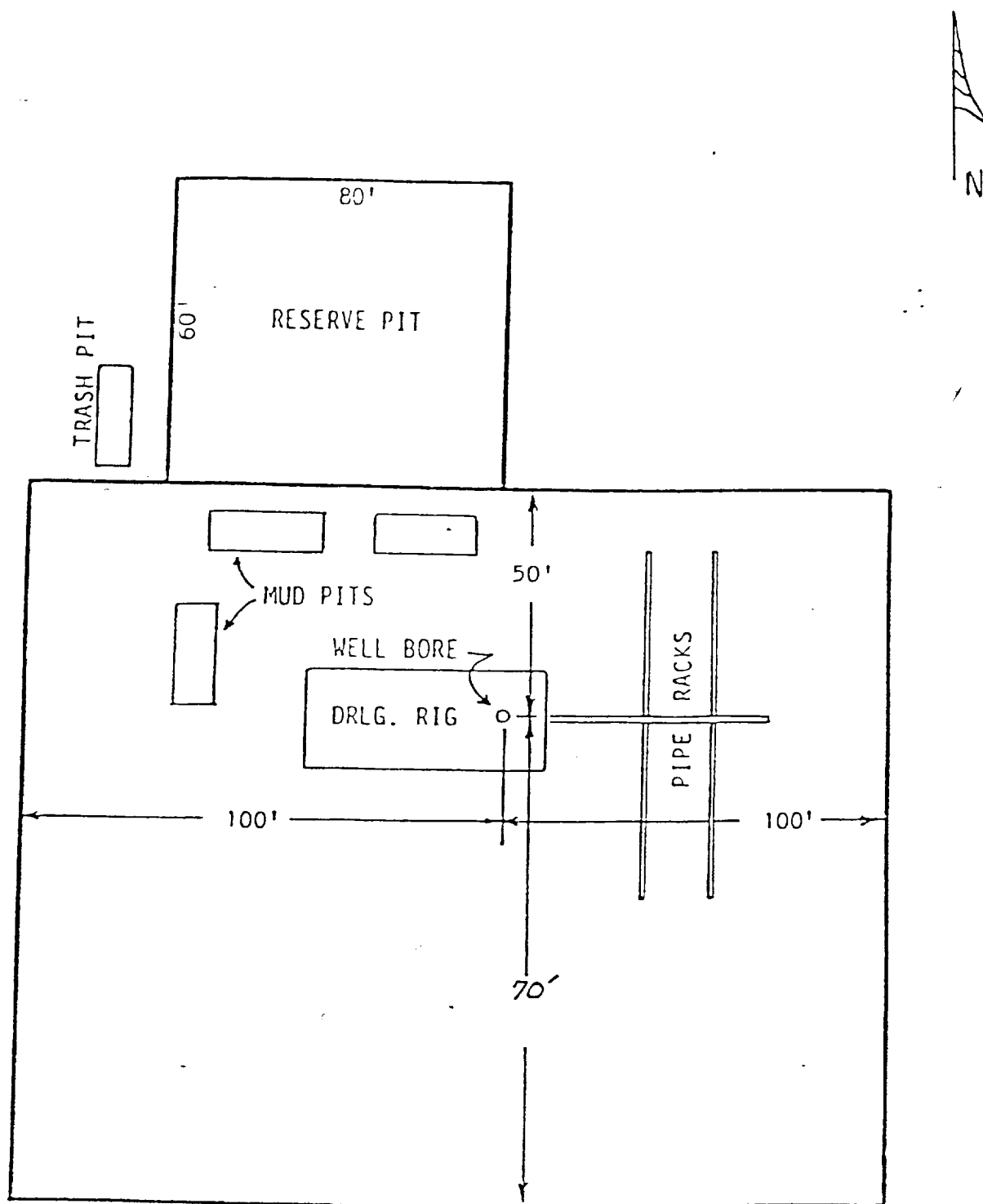


EXHIBIT "D"
SKETCH OF WELL PAD

J. T. HAILE PETROLEUM, LTD.
ROSEWOOD FEDERAL #L
Sec. 15, T16S, R29E
Eddy County, New Mexico