

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

Ray Westall ✓

NOV 30 1981

3. ADDRESS OF OPERATOR

P.O. Box 4 Loco Hills, NM 88255

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

At surface

2080 FNL 560 FEL Letter H S-20, T-18S, R-29E

At proposed prod. zone

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

8½ miles SW of Loco Hills, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

660'

16. NO. OF ACRES IN LEASE

120

19. PROPOSED DEPTH

3,100

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3523.

22. APPROX. DATE WORK WILL START*

As soon as possible

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	350'	250 sx circulate
8"	4 1/2"	10 1/2#	3,100'	600 sx circulate

We propose to drill and test the San Andres and Intermediate formations. Approximately 350' of surface casing will be set to shut off gravel and cavings. 4½" production casing will be run, perforated and sand frac'd for production.

BOP PROGRAM: A 10" 900 Series Shaffer type F Double B.O.P. will be used in drilling this well.

MUD PROGRAM: Fresh water gel to 950' and water to TD.

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

Ray Westall

TITLE

OPERATOR

DATE

10/27/81

(This space for Federal or State office use)

APPROVED

PERMIT NO.

APPROVAL DATE

APPROVED BY

NOV 25 1981

TITLE

DATE

CONDITIONS OF APPROVAL

JAMES A. GILLHAM
DISTRICT SUPERVISOR

30-015-24001

5. LEASE DESIGNATION AND SERIAL NO.

LC-0 62404

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hewitt

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Loco Hills Qn/Gb/SA

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

S-20, T-18S, R-29E

12. COUNTY OR PARISH

Eddy

13. STATE
New Mex.

NEW MEXICO 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.

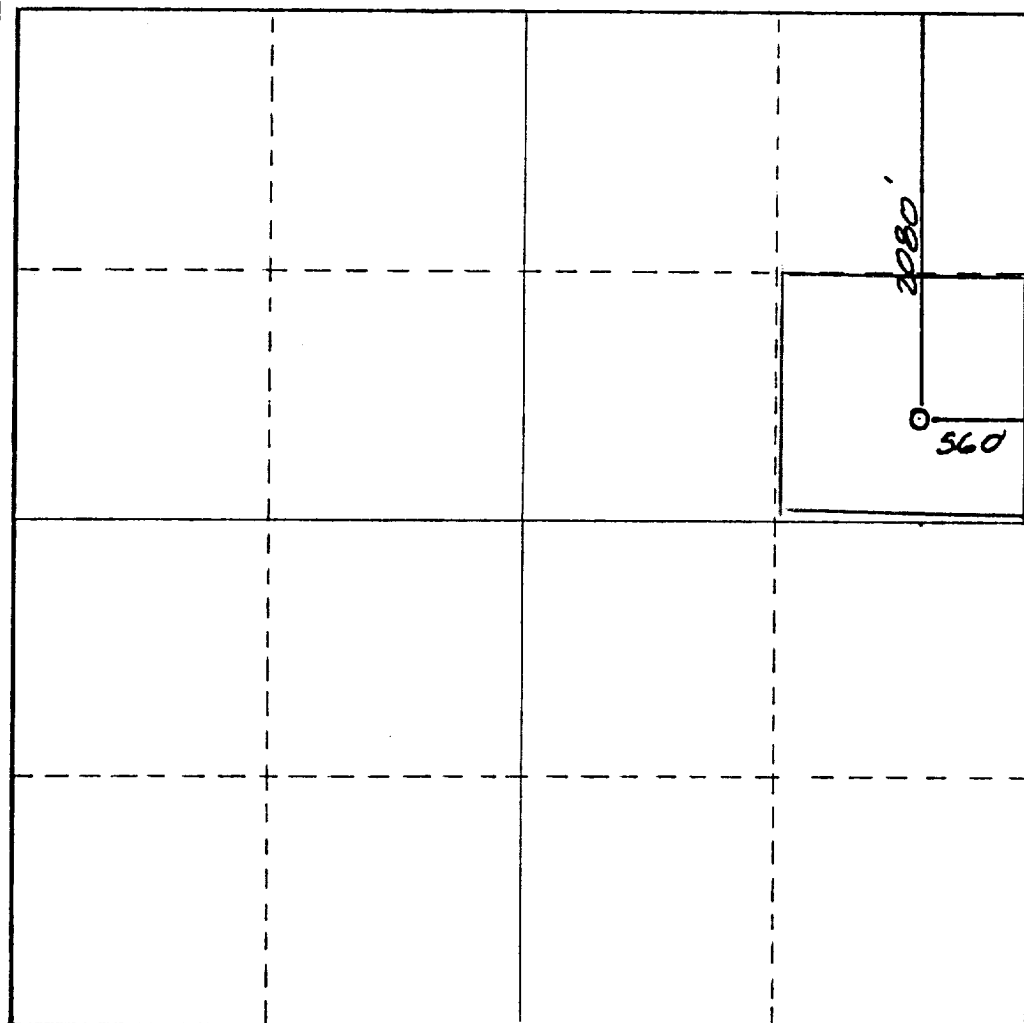
Operator RAY WESTALL		Lease Hewitt Federal		Well No. 2
Unit Letter H	Section 20	Township 18 South	Range 29 East	County Eddy
Actual Footage Location of Well: 2080 feet from the North line and 560 feet from the East line				
Ground Level Elev. 3523.	Producing Formation D-S-F	Pool See Pool Log	Dedicated Acreage: 4.0 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 Commission.



CERTIFICATION

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

Name Ray Westall
Position Operator
Company Ray Westall
Date 11-11-81

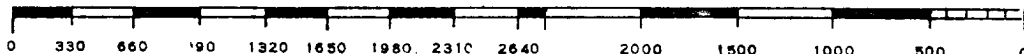
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

DAN R. REDDY
REGISTERED PROFESSIONAL ENGINEER
5412

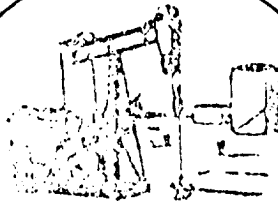
Date Surveyed
November 4, 1981
Registered Professional Engineer
and/or Land Surveyor

Dan R. Reddy
Certificate No.

NM PE&LS #5412



Ray Westall



APPLICATION FOR DRILLING

Ray Westall

Hewitt #2

Eddy County, New Mexico

In conjunction with form 9-331-C, application for permit to drill subject well, Ray Westall submits the following ten items of pertinent information in accordance with USGS requirements:

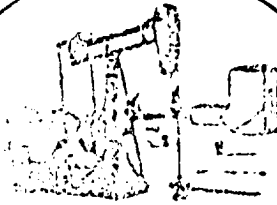
1. The Geological surface formation is quaternary.
2. The estimated tops of geologic markers are as follows:

Yates	1400
7 Rivers	1750
Queen	2050
Grayburg	2500
San Andres	3000

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

Water:	Approximately	180'
Oil & Gas:	Yates	1400'
	7 Rivers	1700
	Queen	2050
	Grayburg	2500'
	San Andres	3000

4. Proposed Casing Program: See form 9-333-C.
5. Pressure Control Equipment: See form 9-331-C and exhibit E.
6. Mud Program: Mud up 150' before TD and circulate 2 hours after TD and pull out laying down and run casing.
7. Auxiliary Equipment: N/A



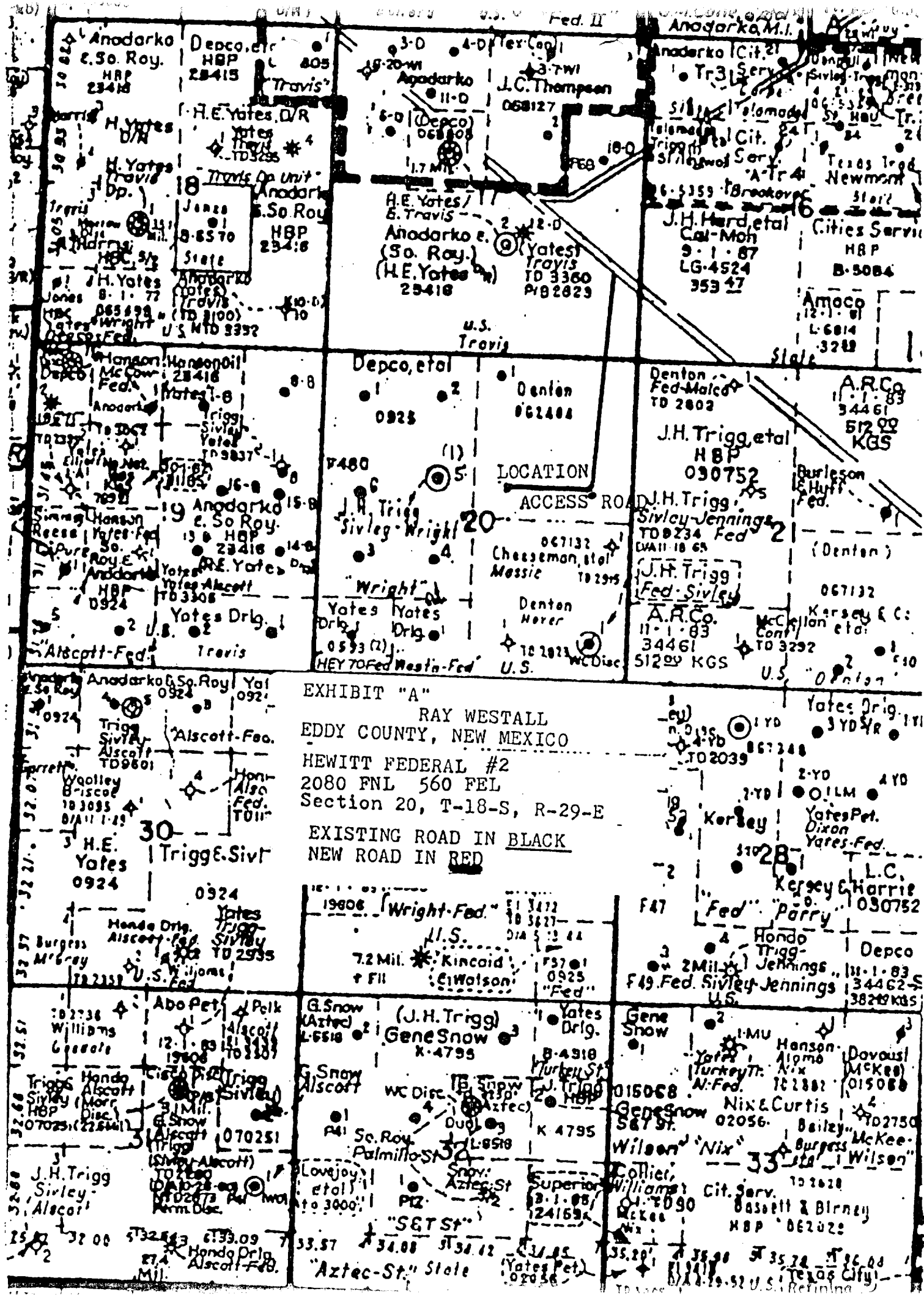
Ray Westall
Application for Drilling Cont.

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8. Testing, Logging and Coring Program: Logging casing compensated Neutron with Gamma Ray Collar Log. Cement bond with nuclear log.

9. No abnormal pressures or temperatures are anticipated.

10. Anticipated Starting Date: As soon as possible.



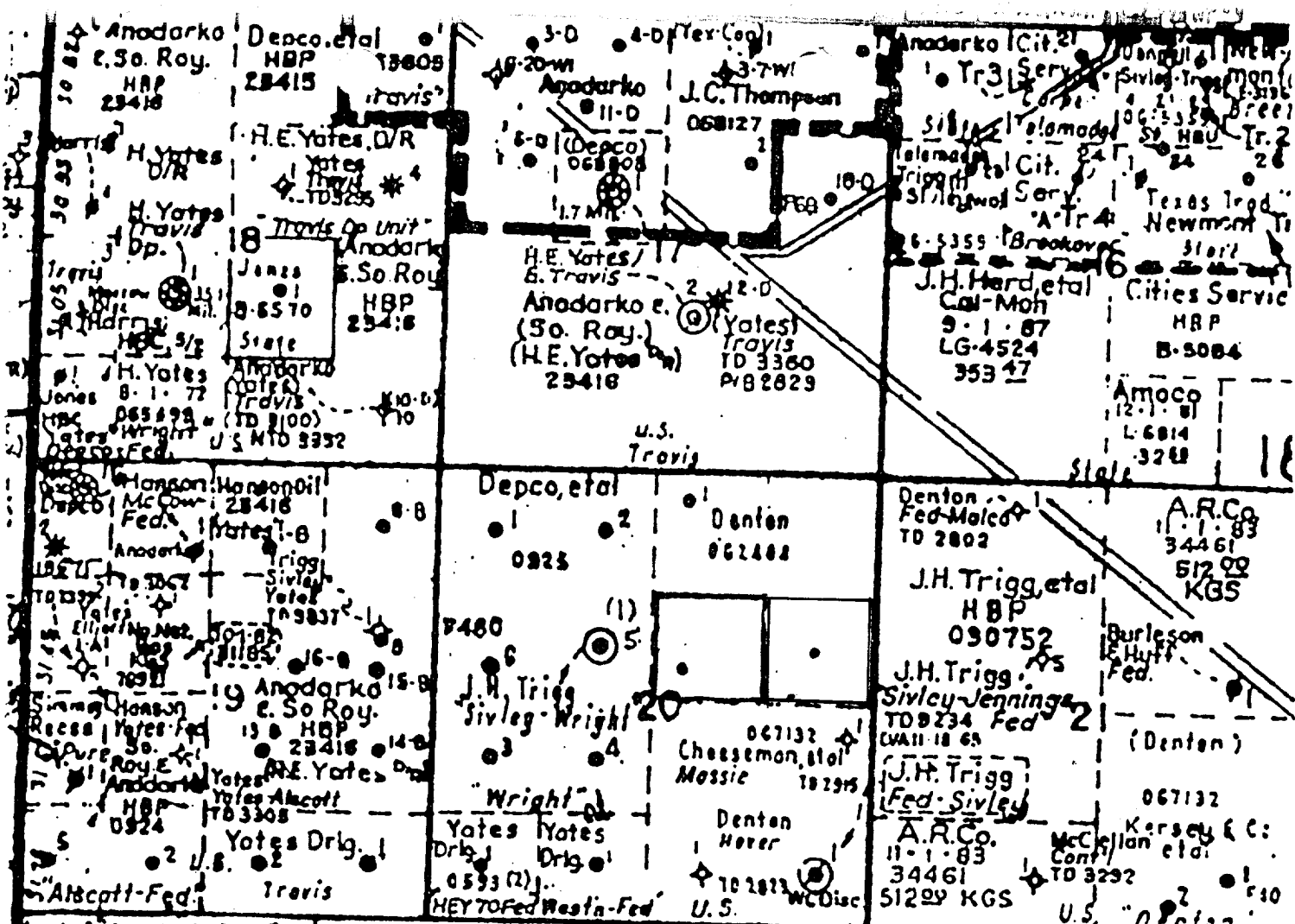


EXHIBIT "B"
RAY WESTALL
EDDY COUNTY, NEW MEXICO
HEWITT FEDERAL #2
2080 FNL 560 FEL
Section 20, T-18-S, R-29-E

