



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Box 1397, Roswell, New Mexico - 88201

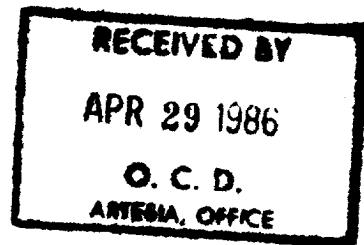
IN REPLY REFER TO

C/SF

NM-27278PD
3162.41

APR 28 1986

Ray Westall
P. O. Box 4
Loco Hills, New Mexico 88255



Dear Sir:

Your application for Permit to Drill the Featherstone Federal No. 2 well in the SW¼NW¼, sec. 26, T. 18 S., R. 20 E., Eddy County, New Mexico lease NM-27278, to a depth of 3500 feet to test the Grayburg formation in the oil-potash area, is hereby approved as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the Bureau of Land Management Office checked on the attached special stipulation, in sufficient time for a representative to witness all cementing operations.

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Sincerely,

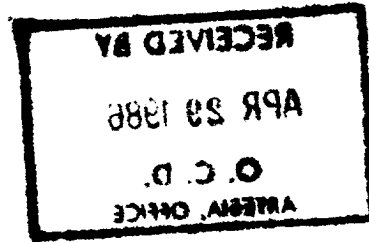
Orig. Sgd. Francis R. Cherry, Jr.

Francis R. Cherry, Jr.
District Manager

Enclosure

cc:
✓ FMOCD (Artesia) - 2
NM (067) - 2
NM (065, D. Nyffeler)

RECEIVED BY



UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒RECEIVED BY
DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐

APR 29 1986

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Ray Westall

O. C. D.

ARTESIA, OFFICE

3. ADDRESS OF OPERATOR

P. O. Box 4, Loco Hills, New Mexico 88255

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

At surface

1980 FNL & 660 FWL

At proposed prod. zone same

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

14 miles south of Loco Hills, NM

15. DISTANCE FROM PROPOSED*

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

1980'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED

40

18. DISTANCE FROM PROPOSED LOCATION*

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

1320

19. PROPOSED DEPTH

3600'

20. ROTARY OR CABLE TOOLS

Rotary

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

3406. GR

22. APPROX. DATE WORK WILL START*

ASAP

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	575'	Circulate
12 1/4"	8 5/8"	24#	1700'	Circulate
7 7/8"	5 1/2"	17#	3600'	Production

We propose to drill and test the Grayburg and intermediate formations. Approximately 575' of 13 3/8" casing will be set at top of salt and circulated. Fresh water will be used to drill the surface and brine water will be used to drill the production hole. 5 1/2" production casing will be run, circulated and perforated for production.

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

4-7-86

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

30-015-25620 7/86

5. LEASE DESIGNATION AND SERIAL NO.
NM-27278

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Featherstone Federal

9. WELL NO.
2

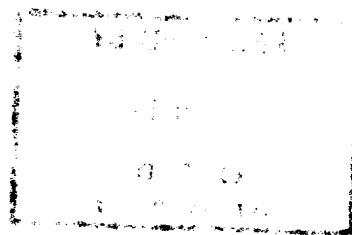
10. FIELD AND POOL, OR WILDCAT
Shugart - 9-SR-Q-G

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 26-T18S-R30E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

Posted ID-1
APL, NC
5-9-86



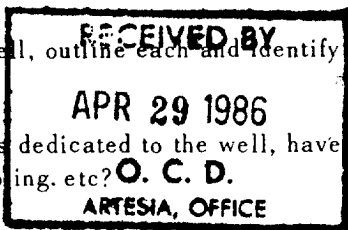
**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

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 Featherstone Federal		Well No. 2
Unit Letter E	Section 26	Township 18 South	Range 30 East	County Eddy	
Actual Footage Location of Well: 1980 feet from the North line and 610 feet from the West line					
Ground Level Elev. 3406.	Producing Formation Grayburg		Pool Shugart		Dedicated Acreage: 40 Acres

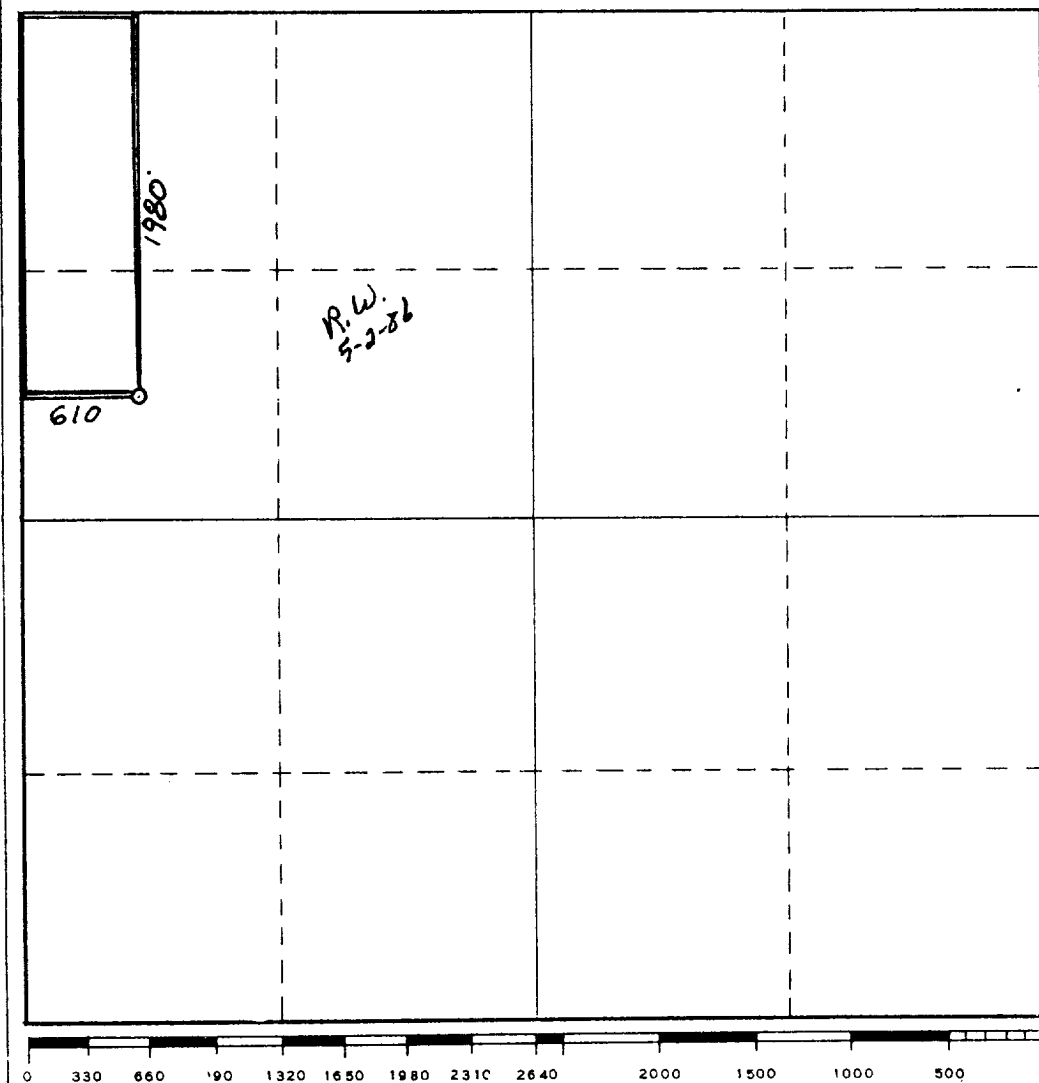
- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated 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

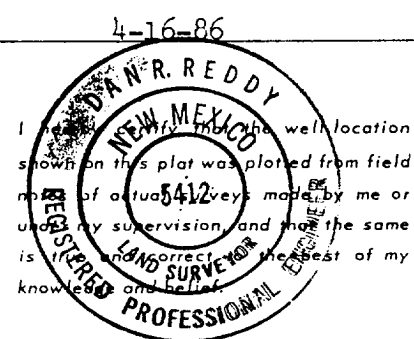
Position _____

Operator _____

Company _____

Date Ray Westall

Date 4-16-86



Date Surveyed _____

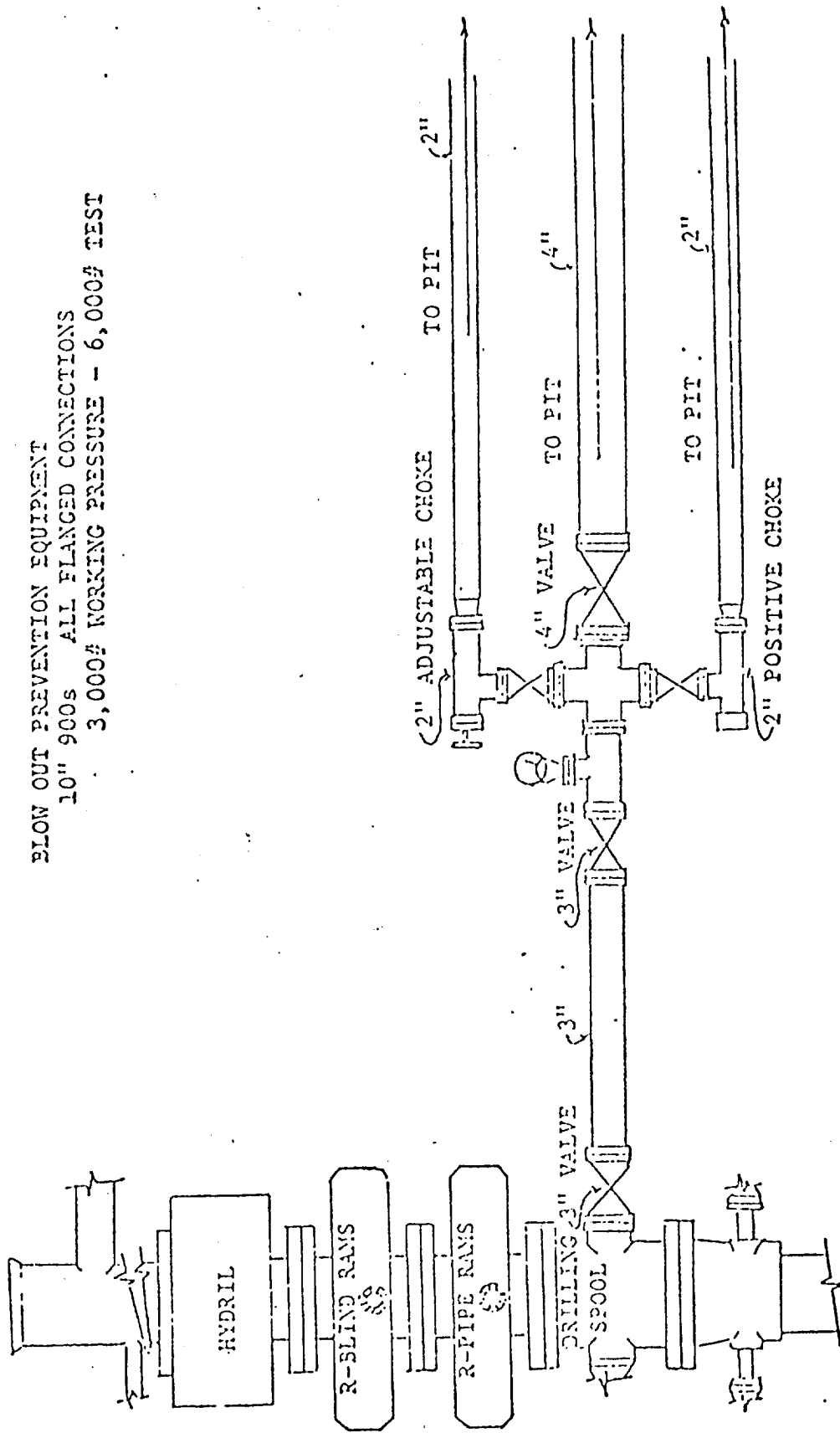
April 10, 1986

Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy

Certificate No. _____

NM PE&LS NO. 5412



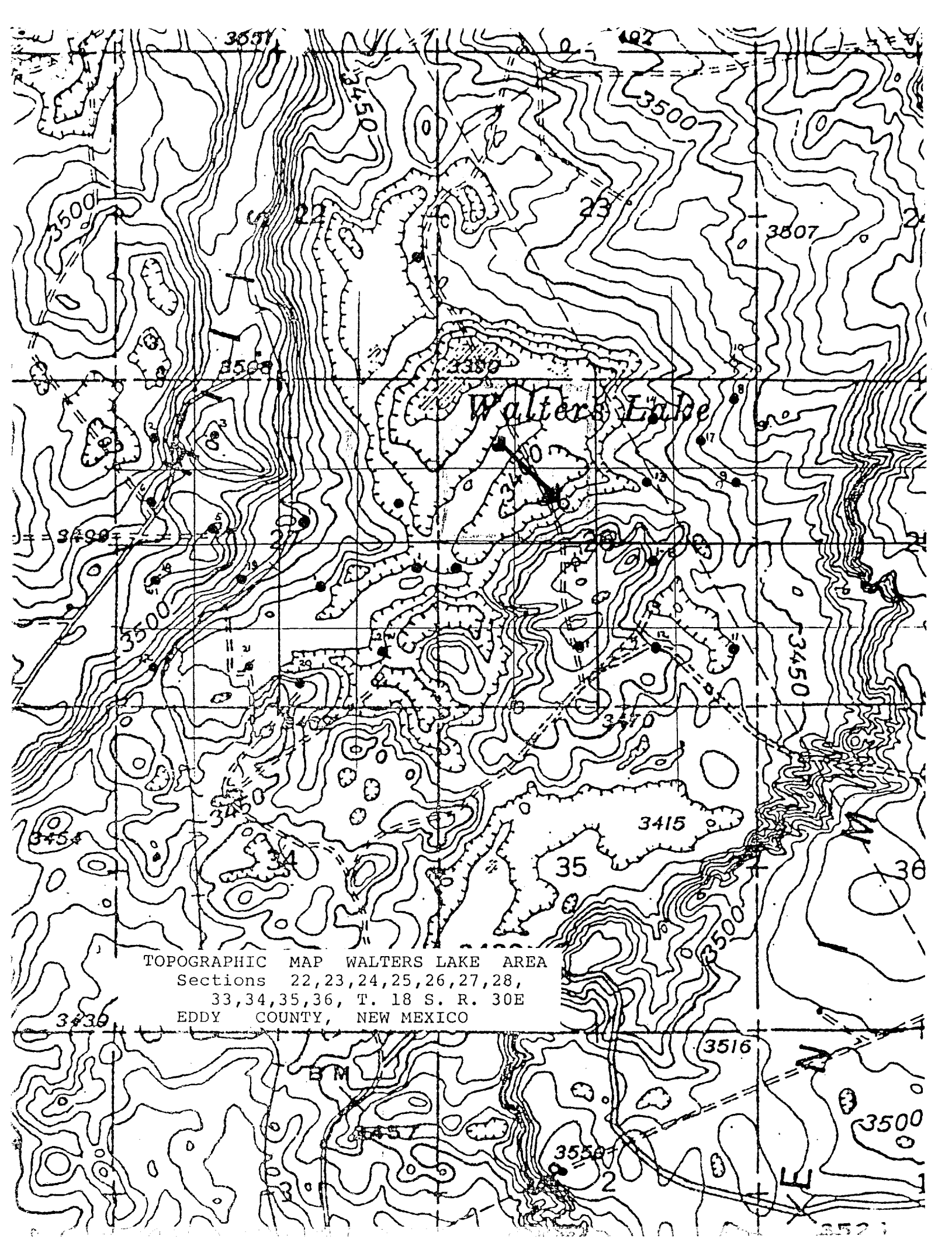
BLOW OUT PREVENTION EQUIPMENT
 10" 900s ALL FLANGED CONNECTIONS
 3,000# WORKING PRESSURE - 6,000# TEST

APPLICATION FOR DRILLING

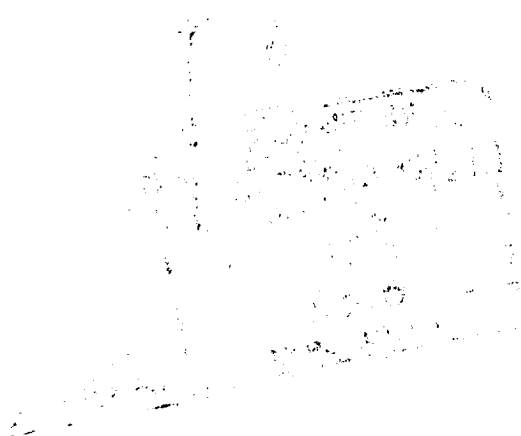
RAY WESTALL

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

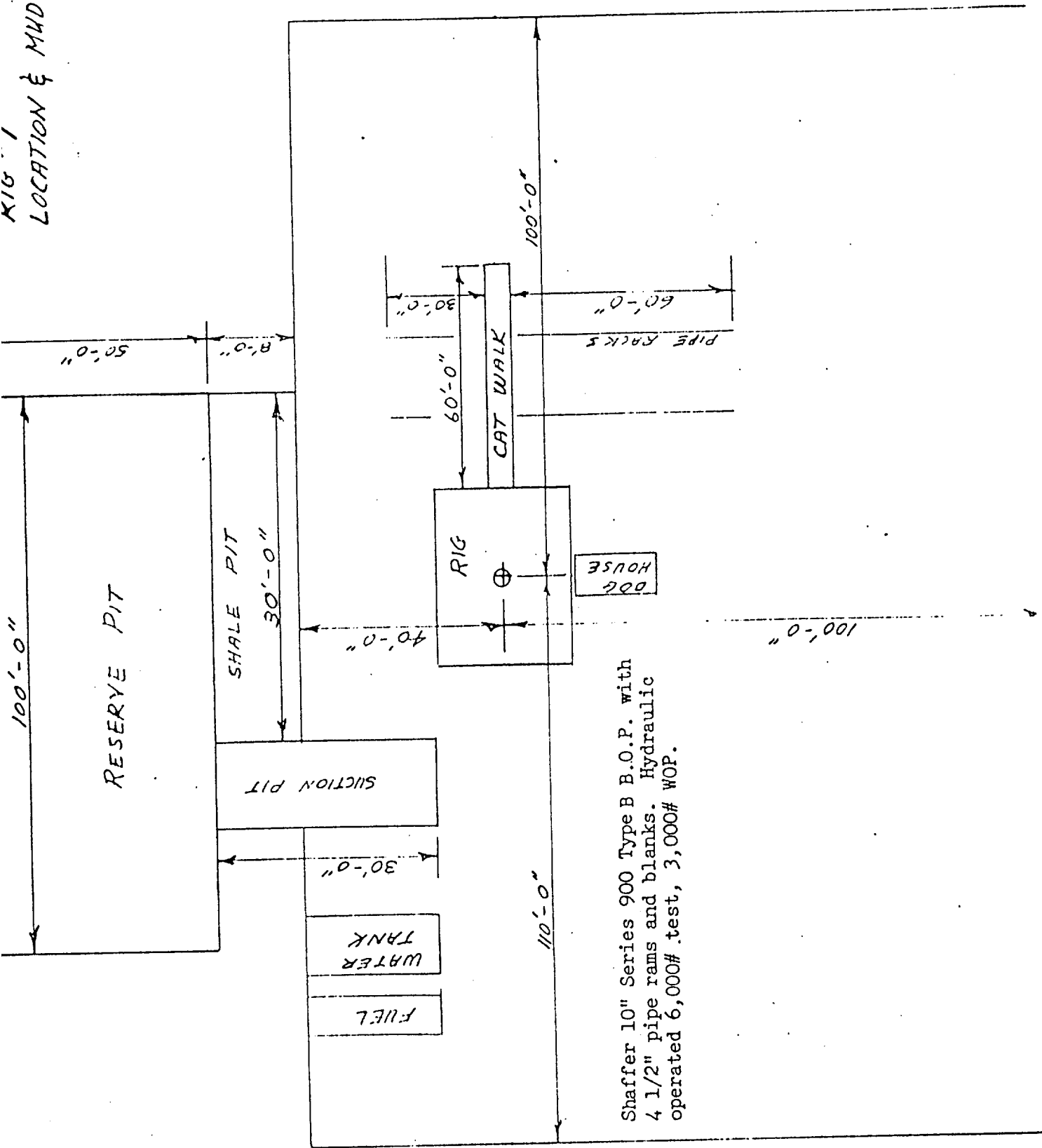
1. The Geological surface formation is quaternary.
2. The estimated tops of geologic markers are as follows:
Yates: 2050'
7 Rivers: 2500'
Queen: 3050'
Grayburg: 3500'
San Andres: 3800'
3. The estimated depths in which anticipated water, oil and gas formations are expected to be encountered:
Water 180 feet
Oil & Gas listed above.
4. Proposed Casing Program: See for 9-331C.
5. Pressure Control Equipment: See Form 9-331C and Exhibit
6. Mud Program: Mud up at 100' before TD and circulate 2 hours after TD and pull drill pipe laying down run logs and casing.
7. Auxiliary Equipment: N/A
8. Testing, Logging and Coring Program: Logging open hole, running gamma/ray and cement bond log.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated Starting Date: ASAP



TOPOGRAPHIC MAP WALTERS LAKE AREA
Sections 22,23,24,25,26,27,28,
33,34,35,36, T. 18 S. R. 30E
EDDY COUNTY, NEW MEXICO



RIG 1
LOCATION & MUD PIT SPECS.



Shaffer 10" Series 900 Type B B.O.P. with
4 1/2" pipe rams and blanks. Hydraulic
operated 6,000# test, 3,000# WOP.

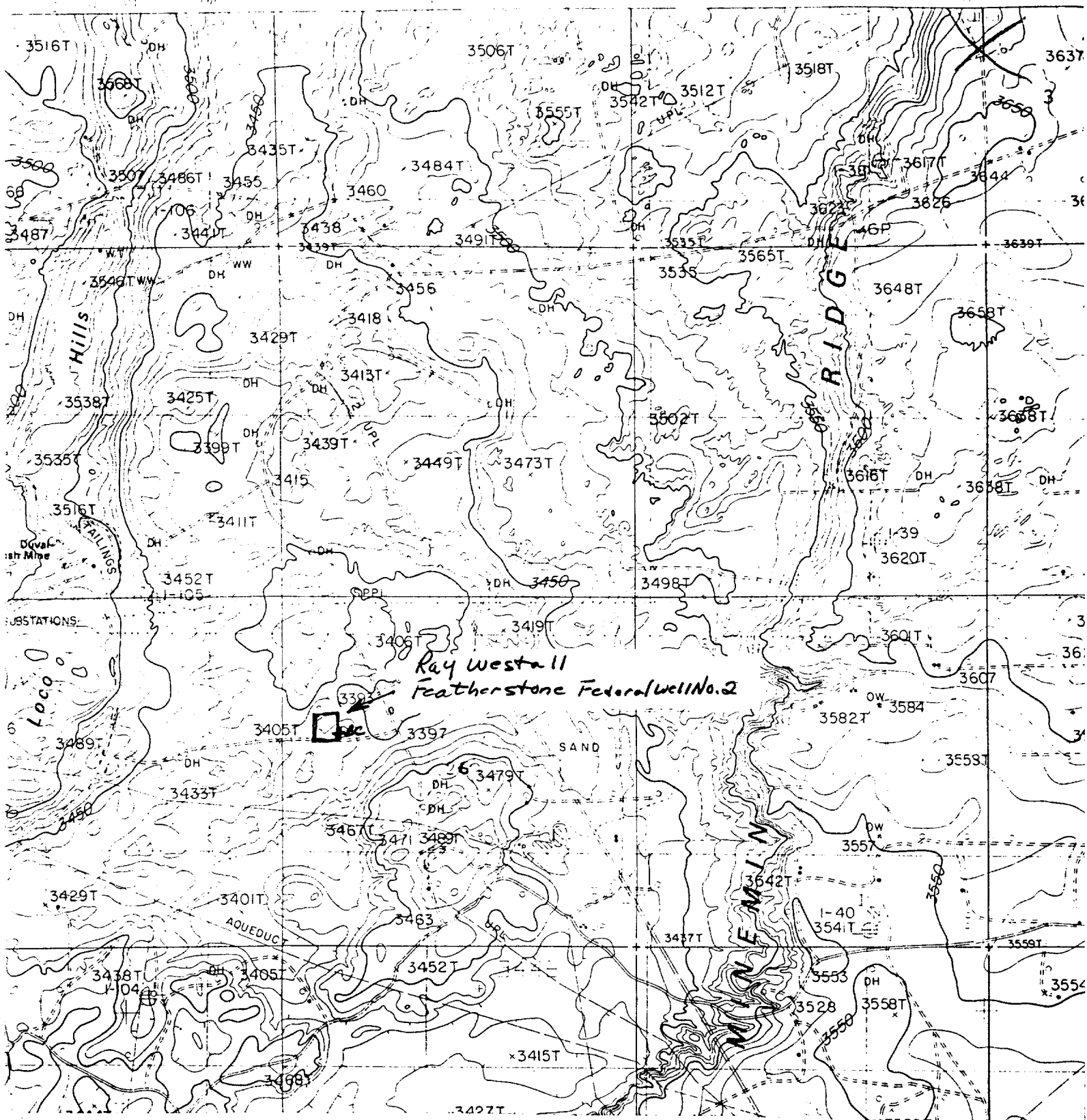


Fig. 1. USGS HACKBERRY LAKE QUADRANGLE, 7.5 Minute Series, 1:24,000, 7.5 Minute Series, 1985, (Prov. Ed.), showing RAY WESTALL's proposed Featherstone Federal Well No. 2, 1980 FNL, 660 FWL, Section 26, T18S, R30E, NMPM, Eddy County, New Mexico.