

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-0527746	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR HNG Oil Company		7. UNIT AGREEMENT NAME Federal "6"	
3. ADDRESS OF OPERATOR P. O. Box 767, Midland, Texas 79701		8. FARM OR LEASE NAME Federal "6"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FNL & 1980' FWL of Sec. 6, T-25S, R-27E At proposed prod. zone Morrow		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles west southwest from Malaga, New Mexico		10. FIELD AND POOL, OR WILDCAT Crawford/Morrow	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6, T-25S, R-27E NMPM	
16. NO. OF ACRES IN LEASE 987.92		12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None		19. PROPOSED DEPTH 12,500'	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* February 12, 1974	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3324.6			

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	10-3/4"	44.50#	2200	1300
9-1/2"	7-5/8"	39#	9200	900
6-1/2"	4-1/2" lnr	13.5#	12,500	500

1. 10-3/4" surface casing to be set at 2200' and cement circulated.
2. Cement behind the 7-5/8" casing should be sufficient to isolate all productive zones.
3. Cement behind the 4-1/2" liner should be sufficient to isolate all productive zones.

RECEIVED

INTENDED MUD PROGRAM

- A. 10° ppg brine water to 2200'
B. 1°-9.5 brackish water to 9200'
C. 10°-10.6 KCC water with soda ash to 12,500' total depth.

FEB 7 1974

U. S. GEOLOGICAL SURVEY

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 David Tomlin TITLE Production Clerk DATE 2/5/74
(This space for Federal or State office use)

PERMIT NO.

SUBJECT TO ATTACHED DEEP WELL CONTROL

REQUIREMENTS DATED JUN 28 1973

TITLE

DATE

DECLARED WATER BASIN

CEMENT BEHIND THE
CASING MUST BE CIRCULATED

APPROVED
FEB 12 1974
R. L. BEEKMAN
ACTING DISTRICT ENGINEER
THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
MAY 12 1974
*See Instructions On Reverse Side

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 plats, 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.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

H N G OIL COMPANY				FEDERAL 6		1
F	6	25 South	27 East	Eddy		
1980'		North	1980'	West		
3324.6	Morrow	Wildcat	Crawford Morrow	N $\frac{1}{2}$	3/2, 55	320

Outline the acreage dedicated to the subject well by colored pencil in the following manner:

If more than one lease is dedicated to the well, outline each and identify the well (lease, interest and royalty).

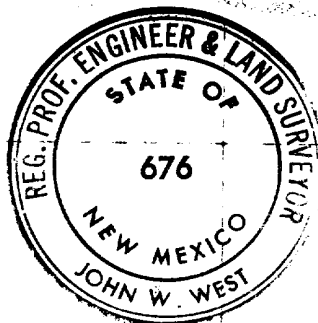
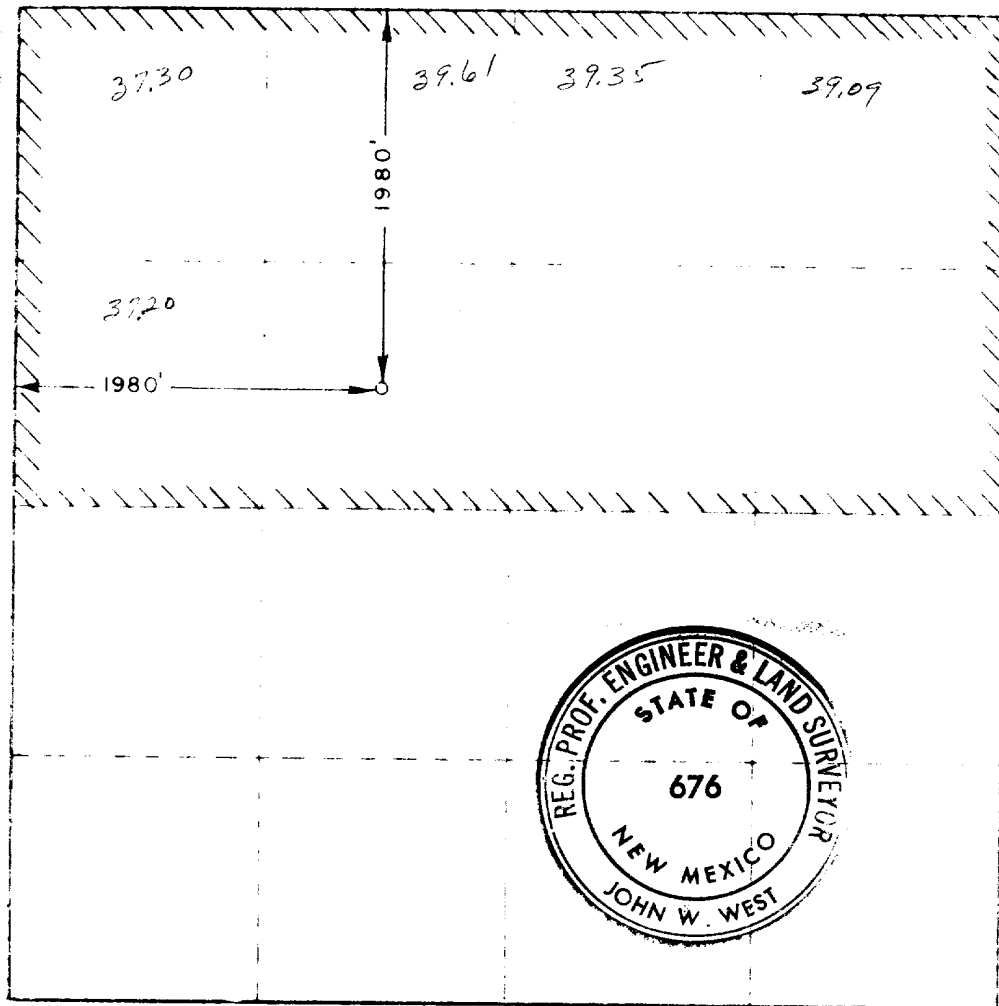
* See Reverse side

If more than one lease of different ownership is dedicated to the well, have the well identified by communitization, unitization, forced pooling, etc.

Yes ☐ No ☐ If answer is "yes," type of communitization _____

If answer is "no," list the owners and tract descriptions which have actually been included on this form if necessary: _____

No allowable will be assigned to the well until all interests have been consolidated by communitization, forced pooling, or otherwise or until a non-standard unit, eliminating such interests, has been approved.



David Tomlin
David Tomlin
Production Clerk
HNG Oil Company
2/6/74

February 5, 1974

John W. West
676

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 10230 10560 10890 11220 11550 11880 12210 12540 12870 13200 13530 13860 14190 14520 14850 15180 15510 15840 16170 16500 16830 17160 17490 17820 18150 18480 18810 19140 19470 19800 20130 20460 20790 21120 21450 21780 22110 22440 22770 23100 23430 23760 24090 24420 24750 25080 25410 25740 26070 26400 26730 27060 27390 27720 28050 28380 28710 29040 29370 29700 30030 30360 30690 31020 31350 31680 32010 32340 32670 33000 33330 33660 33990 34320 34650 34980 35310 35640 35970 36300 36630 36960 37290 37620 37950 38280 38610 38940 39270 39600 39930 40260 40590 40920 41250 41580 41910 42240 42570 42900 43230 43560 43890 44220 44550 44880 45210 45540 45870 46200 46530 46860 47190 47520 47850 48180 48510 48840 49170 49500 49830 50160 50490 50820 51150 51480 51810 52140 52470 52800 53130 53460 53790 54120 54450 54780 55110 55440 55770 56100 56430 56760 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534930 535260 535590 535920 536250 536580 536910 537240 537570 537900 538230 538560 538890 539220 539550 539880 540210 540540 540870 541200 54

- 4
- * We are dedicating the N/320 acres of USA Federal Lease #MM-0527746 which contains full interest in all of Section 6, 258 - 27E.



P. O. BOX 767, MIDLAND, TEXAS 79701 (915) 683-4871

February 5, 1974

United States Department of the Interior
Geological Survey
P. O. Drawer U
Artesia, New Mexico 88210

Attn: Mr. Jim Kaunf
District Engineer

Re: Federal "6" Well No. 1
Section 6, T-25S, R-27E
Eddy County, New Mexico

Gentlemen:

We are enclosing three maps: (1) showing existing roads, planned access roads, location of wells, and location of tank battery, (2) showing location of rig layout, mud tanks, reserve pits, well pad, and roads, (3) showing sketch of BOP stack and choke manifold.

The water supply and all brine for subject well will be hauled from Malaga, New Mexico.

All waste will be disposed of in the proper manner. All paper, mud sacks, and all other waste of this nature will be either hauled off or disposed of on the location. All metal, rubber, and other waste that needs to be hauled off will be.

The procedure for restoration of the surface is to break out all pits and restore all but the immediate well pad and tank battery pad, if a battery is required, to the natural contour of the land.

If additional information is needed, please advise.

Yours very truly,

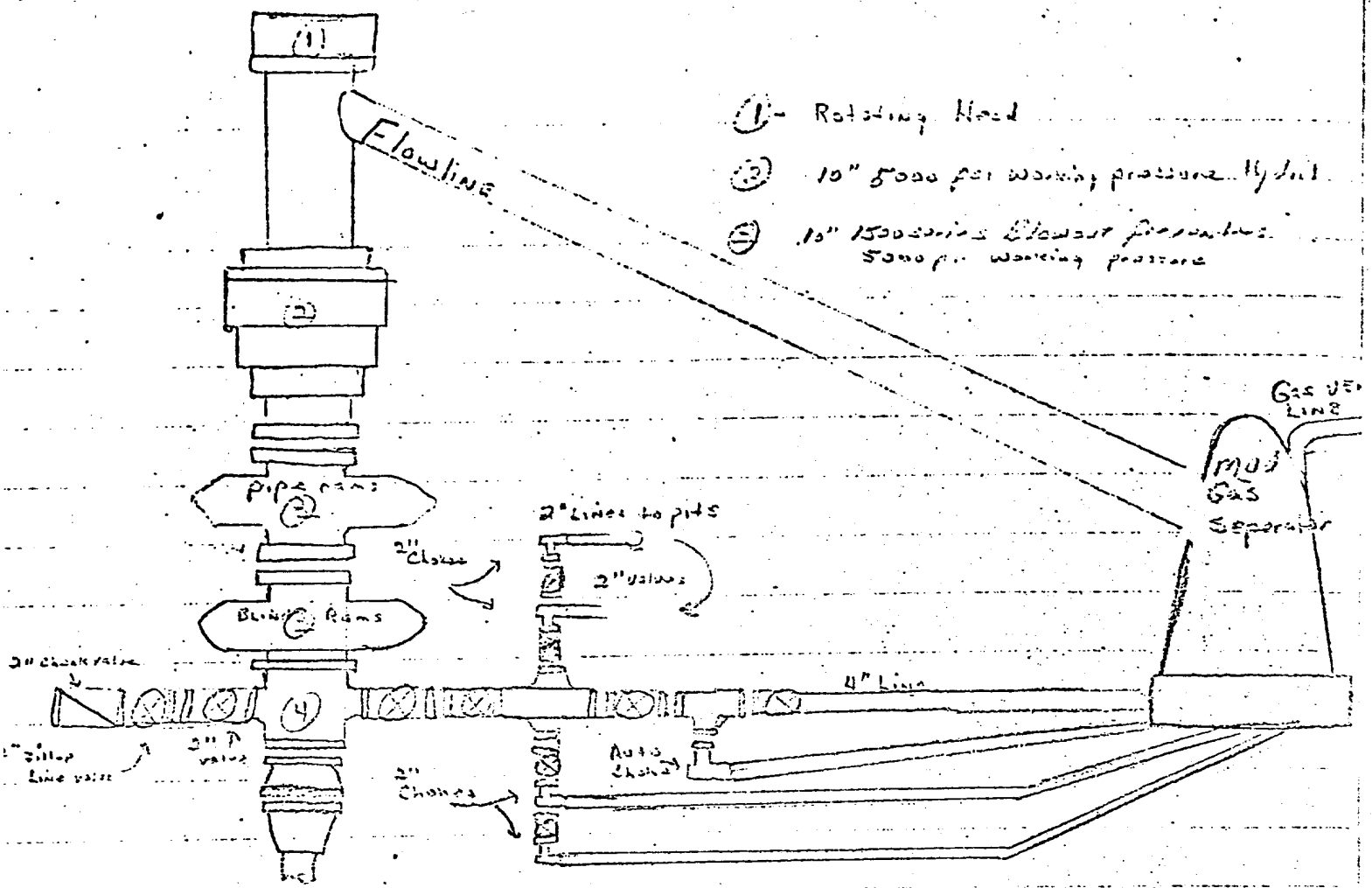
HNG OIL COMPANY

A handwritten signature in cursive script, appearing to read 'David Tomlin'.

David Tomlin
Production Clerk

DT/ft

Enclosures



④ Choke manifold space

⑤ Cameron Auto Choke

All material 5000 psi working pressure

RECEIVED

NOV 13 1973

U. S. GEO. SURVEY
LAWRENCE, KANSAS

N

MORANCO RIG 8

Burning
pit

Reserve
pit

Reserve
pit

75'

Gravel
pits

Mud
pumps

hole

45'

50'

Pipe Racks

Water Tanks

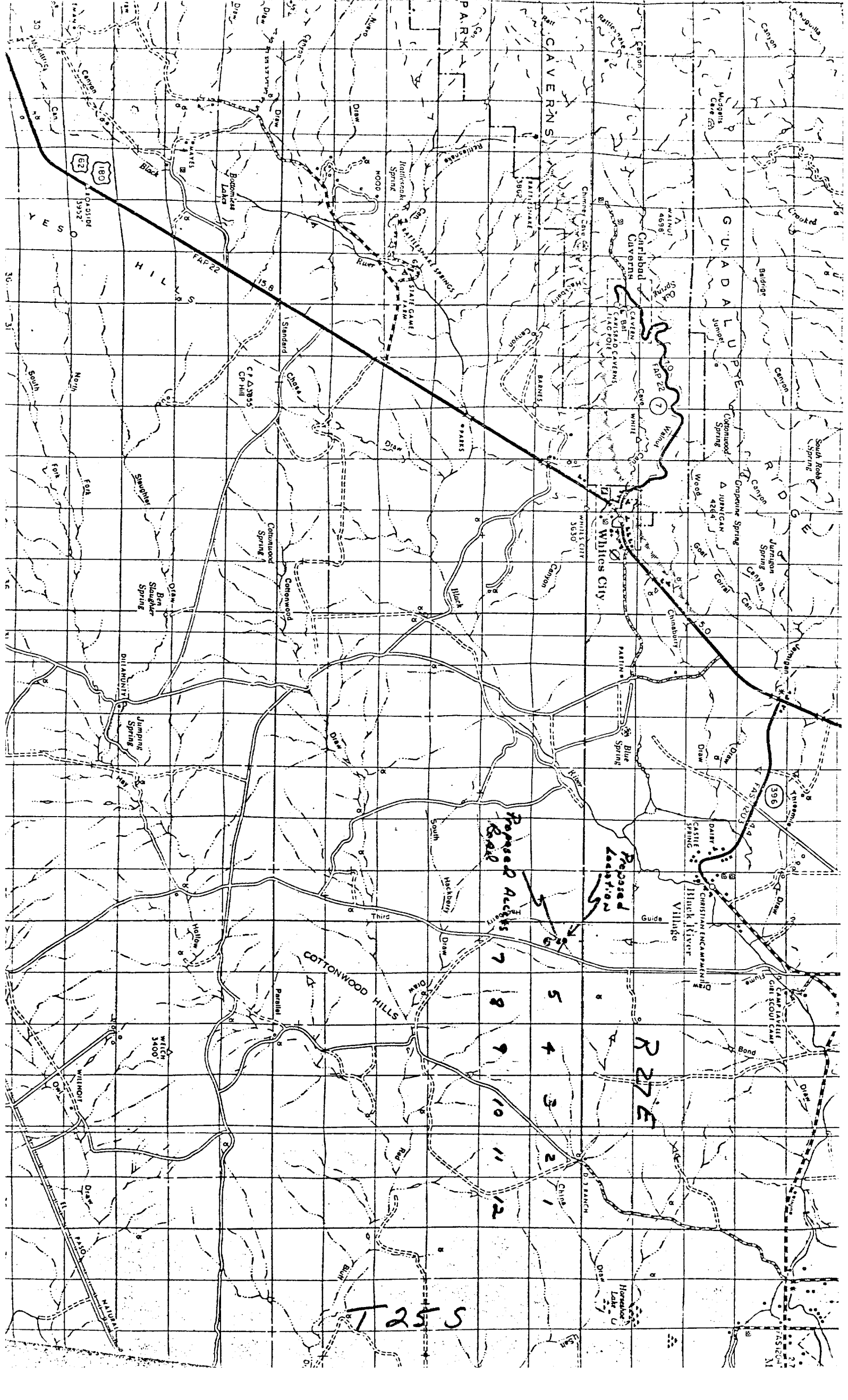
Trailer

100' 90'

55'

100'

Scale 1" = 40'



Proposed Access Road

Proposed Location

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

R 27 E

T 25 S