

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

NM 36195

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Remmele Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated Abo

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

Sec. 28-6S-22E

12. COUNTY OR PARISH 13. STATE

Chaves

N.M.

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE

RECEIVED

MULTIPLE ☐

2. NAME OF OPERATOR

TRANSWESTERN GAS SUPPLY COMPANY

3. ADDRESS OF OPERATOR

P.O. Box 2521, Houston, TX 77001

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

At surface

990' /N 1788' /W Sec. 28-6S-22E

At proposed prod. zone

Same

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

27 Miles Northwest of Roswell, New Mexico

15. DISTANCE FROM PROPOSED\*

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

990'

16. NO. OF ACRES IN LEASE

2560.00

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

NW 1/4 - 160 Ac.

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

4500' Abo

20. ROTARY OR CABLE TOOLS

Rotary

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

4289' GL

22. APPROX. DATE WORK WILL START\*

May 1, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

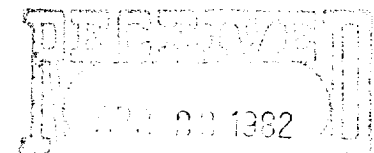
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48.0# K-55	60'	RediMix - Shoe to Surface
12 1/4"	8 5/8"	24.0# K-55	1800'±	± 950 sx - Circulate
7 7/8"	4 1/2"	10.5# J-55	TD	± 350 sx - Cover Abo

Propose to drill to about 4500' to test Abo and intermediate formations.

See attached "Supplemental Drilling Data".

See Exhibit "D" for BOP diagram.

Gas is dedicated.

U.S. GEOLOGICAL SURVEY  
ROOM 111, NEW MEXICO

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

JERRY W. STEWART

TITLE Agent

DATE April 21, 1982

(This space for Federal or State office use)

PERMIT NO.

GEORGE H. STEWART

APPROVAL DATE

APPROVED BY

MAY 20 1982  
JAMES A. GILLHAM  
DISTRICT SUPERVISOR

TITLE

DATE



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

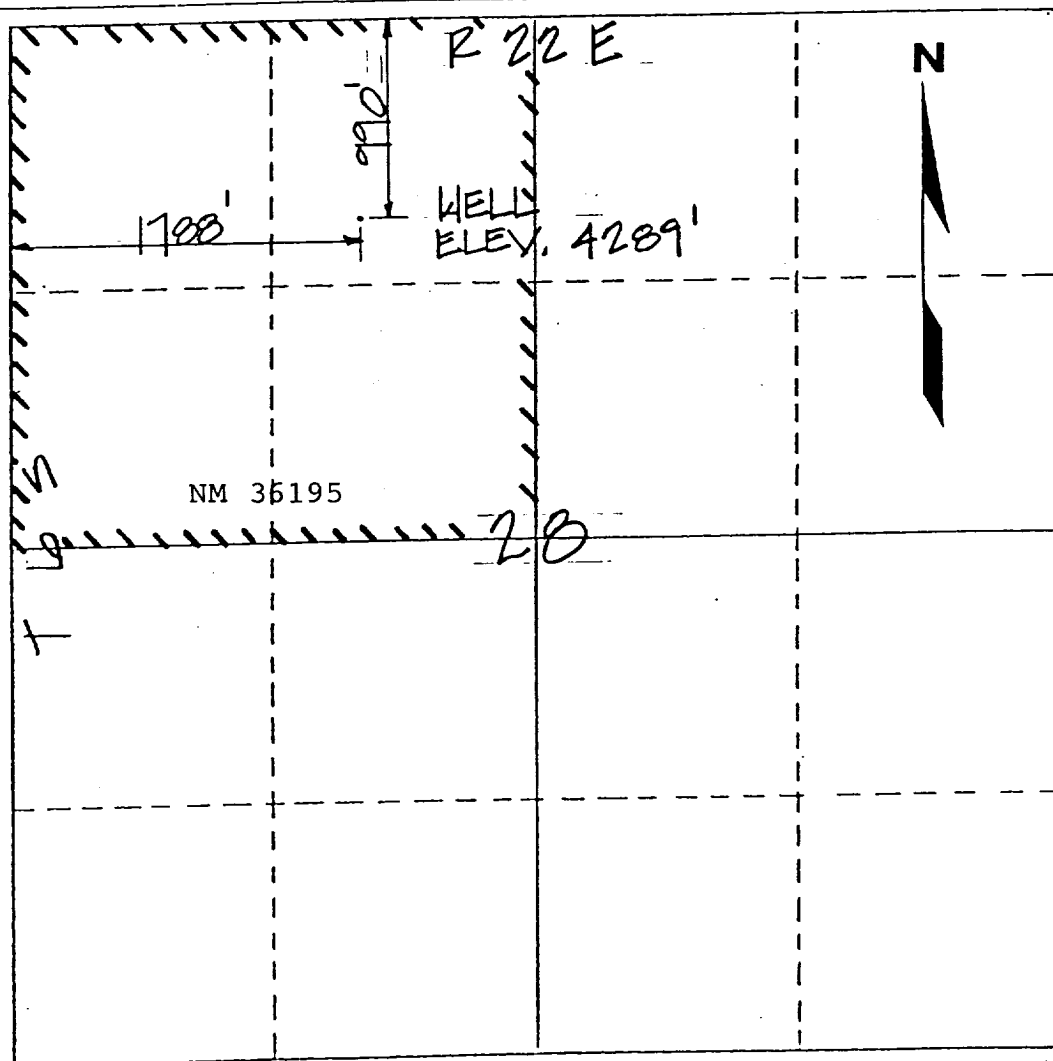
Operator <b>TRANSWESTERN GAS SUPPLY COMPANY</b>			Lease <b>Remmele Federal</b>		Well No. <b>1</b>
Unit Letter <b>C</b>	Section <b>28</b>	Township <b>6-S</b>	Range <b>22-E</b>	County <b>Chaves</b>	
Actual Footage Location of Well: <b>990</b> feet from the <b>NORTH</b> line and <b>1788</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>4289'</b> <b>(Corr.)</b>	Producing Formation <b>Abo</b>		Pool <b>Undesignated Abo</b>		Dedicated Acreage: <b>(NW 1/4) 160</b> 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). **Single Lease**
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.

*Serry W. Long*  
Name  
**SERRY W. LONG**

Position

Agent

Company

**TRANSWESTERN GAS SUPPLY CO.**

Date

**April 21, 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.

**REGISTERED LAND SURVEYOR**  
31 March 1982

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

**Gordon, J. Douglas, PLS**  
**N.M. License No. 6054**

Certificate No.

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## SUPPLEMENTAL DRILLING DATA

TRANSWESTERN GAS SUPPLY COMPANY  
No.1 Remmele Federal  
990'/N 1788'/W Sec.28-6S-22E  
Chaves County, N.M.

NM 36195

The following items supplement Form 9-331C in accordance with instructions contained in NTL-6.

1. SURFACE FORMATION: Permian San Andres
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

San Andres	Surface
Glorieta	1150'
Tubb	2300'
Abo	2750'
3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATION:

Water	- Surface to 300'
Gas	- 2750' to 4500'
4. PROPOSED CASING PROGRAM:

13 3/8" Casing	- Set two joints with rat hole machine and grout to surface.
8 5/8" Casing	- Set at 1800' ± and cement with an estimated 950 sx of cement. (Circulate)
4 1/2" Casing	- Set to total depth and cement with an estimated 350 sx of cement to isolate all water, oil and gas zones.

Type of cement and additives will be determined by hole conditions. The intermediate and production casing strings will be tested to 1000 psi.
5. PRESSURE CONTROL EQUIPMENT: Blowout preventer stack will consist of double-ram blowout preventer rated to 3000#WP. A sketch of the BOP is attached.
6. CIRCULATING MEDIUM: Hole for 13 3/8" conductor pipe will be drilled with a rat hole auger. Mud will

\_\_\_\_\_

be used as the circulating medium. Mud additives will be used as hole conditions dictate.

7. AUXILIARY EQUIPMENT: Full-opening kelly cock, to fit the drill string in use, will be kept on the rig floor at all times.
8. TESTING, LOGGING AND CORING PROGRAM:

Samples:	Surface casing shoe to TD
DST:	None anticipated
Logging:	Gamma Ray-Neutron log and other logs as recommended by well-site geologist.
Coring:	None anticipated
9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE:

None anticipated. Maximum bottom-hole pressure should not exceed 1200 psi. Bottom-hole temperature will be about 110°F.
10. ANTICIPATED STARTING DATE: Drilling will commence about May 1, 1982. Drilling should be completed within 10 days. Completion operations (perforations and stimulation) will follow drilling operations.





NM 36195

3739

47'30"

COUNTY ROAD

TO HWY 285

FRED POOL  
3 MCKNIGHT

EXISTING  
ROAD

NEW  
ROAD

FRED POOL  
#2 MCKNIGHT

China

### Draw

1 010 000  
FEET

3737

3736

3735

33°45'   
104°45'

524

525

1380 000 FEET

526

EXHIBIT B  
CONTOUR MAP

Control by USGS and USC&amp;GS

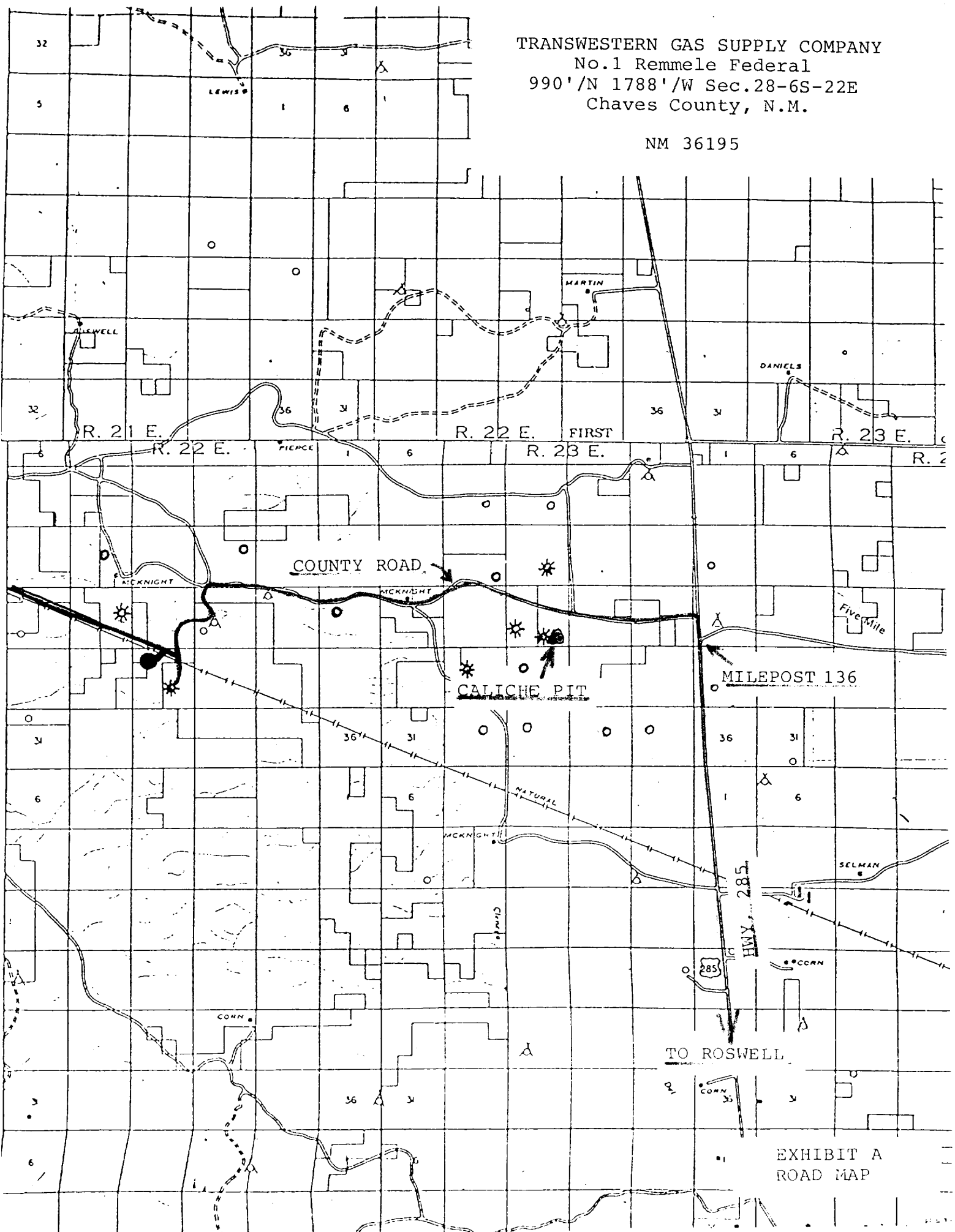
Tonnography by photogrammetric methods from aerial

SEP WELLI  
51 III NE

★  
MA  
:GN

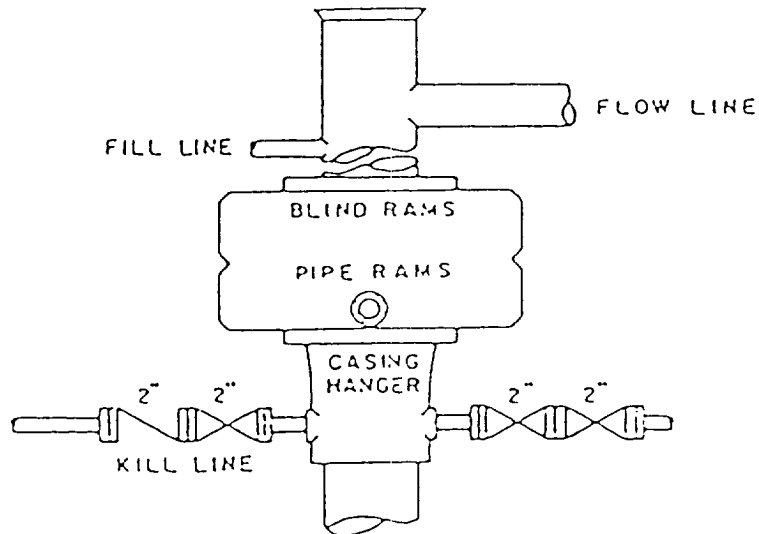


NM 36195



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TRANSWESTERN GAS SUPPLY COMPANY  
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Chaves County, N.M.

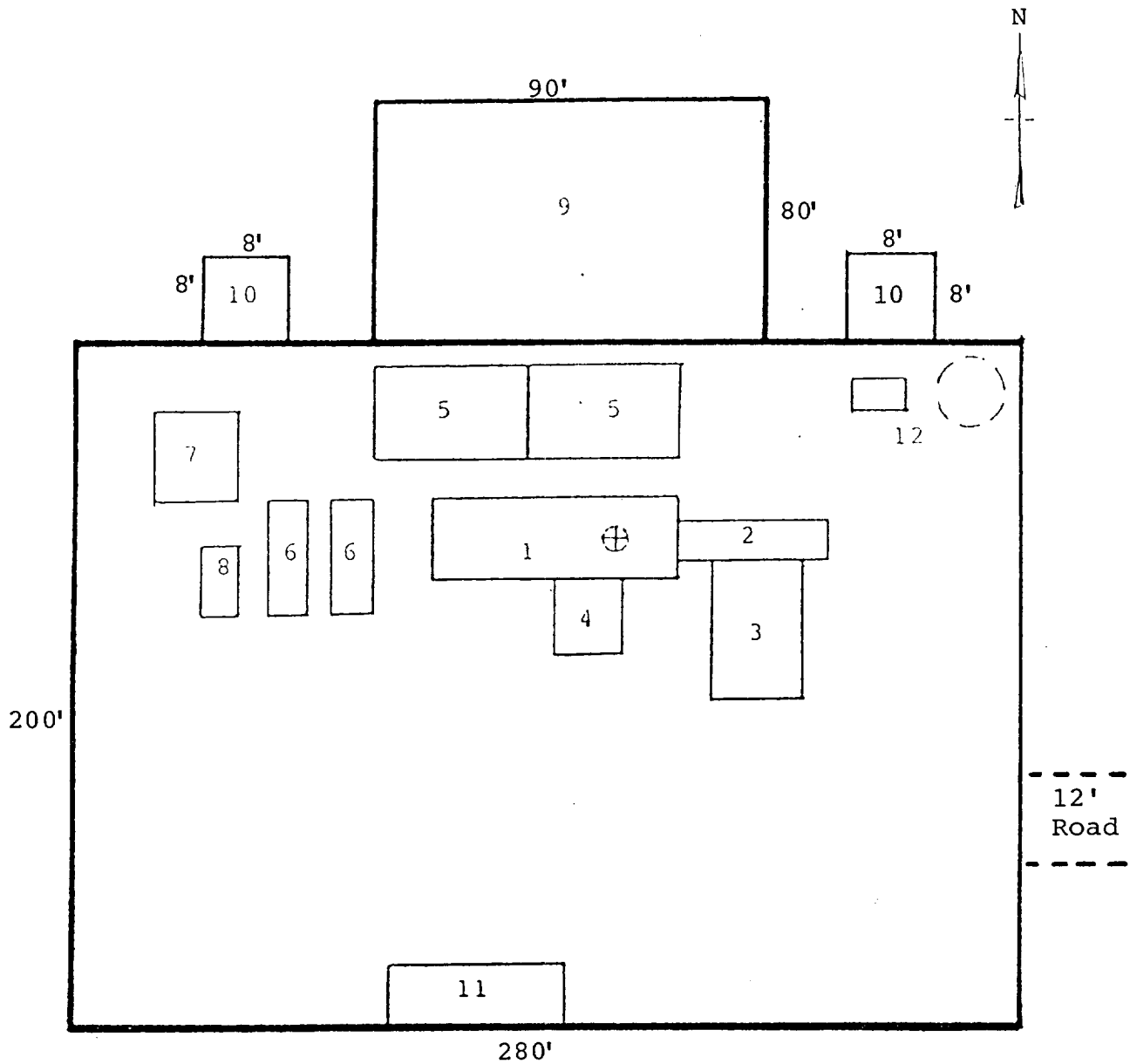


BOP STACK

3000 PSI WORKING PRESSURE  
RAMS TO BE OPERATED DAILY



TRANSWESTERN GAS SUPPLY COMPANY  
 No.1 Remmele Federal  
 990' N 1788' W Sec.28-6S-22E  
 Chaves County, N.M.



RIG LAYOUT

- |                 |                           |
|-----------------|---------------------------|
| 1. Substructure | 7. Water Tank             |
| 2. Catwalk      | 8. Light Plant            |
| 3. Pipe Rack    | 9. Reserve Pit            |
| 4. Doghouse     | 10. Trash Pit             |
| 5. Mud Pits     | 11. Trailer House         |
| 6. Mud Pumps    | 12. Production Facilities |

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REHABILITATION PLAN

Lease No.: 407-0 NM 36195, Well Names and No.: 1 Remmele Federal  
Subdivision: NW1, Section 28, T. 6 S., R. 22 E.,  
County Chaves, State New Mexico

Transwestern Gas Supply ~~Oil~~ Company intends to drill a well on surface ~~owned~~ <sup>LEASED</sup> by William D. McKnight. The lessee/operator agrees to complete the following rehabilitation work if the well is a producer:

- ☒ Yes ☐ No Maintain access road and provide adequate drainage from road.  
☒ Yes ☐ No Reshape and seed any area not needed for maintenance of the production facilities.

Other requirements: \_\_\_\_\_

The following work will be completed when the well is abandoned/dry hole:

WELL LOCATION

- ☒ Yes ☐ No Pit will be fenced until dry, then filled to conform to surrounding topography.  
☒ Yes ☐ No Water bars will be constructed as deemed necessary.  
☒ Yes ☐ No Site will require reshaping to conform to surrounding topography.  
☒ Yes ☐ No Entire disturbed area will be seeded with the following seed mixture:

To be decided later

ACCESS ROAD

- ☒ Yes ☐ No Access road will be closed, rehabilitated and seeded using the same seed mixture as above.  
☒ Yes ☐ No Water bars will be constructed on the access road as deemed necessary.

Other requirements: \_\_\_\_\_

LESSEE  
SURFACE OWNER

OPERATOR/LESSEE

Name: W. D. McKnight  
Address: \_\_\_\_\_  
City: Roswell  
State: New Mexico  
Phone No.: 623-6403  
Date: \_\_\_\_\_

Name: Transwestern Gas Supply  
Address: P. O. Box 2521  
City: Houston  
State: Texas  
Phone No.: (713) 759-3131  
Date: \_\_\_\_\_

I CERTIFY rehabilitation has been discussed with me, the surface owner:

William W. McKnight  
(Surface owner's signature)

This plan covers rehabilitation requirements only and does not affect any other agreements between the lessee/operator and surface owner.

