

RECEIVED BY
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OCT 19 1984

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

ARTESIA, OFFICE

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

TRANSWESTERN GAS SUPPLY COMPANY

3. ADDRESS OF OPERATOR

2801 North Main
Roswell, New Mexico 88201

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

At surface

990'FNL 660'FEL Sec.30-4S-22E

At proposed prod. zone

Same as above

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

39 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) 660'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. None

16. NO. OF ACRES IN LEASE

1275.70

19. PROPOSED DEPTH

3400' Abo

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

4475 GL

22. APPROX. DATE WORK WILL START*

October 6, 1984

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	40'	Grouted with Redi-Mix
12-1/4"	8-5/8" LT&C	24.0# K-55	875'±	550 sx (Circulated)
7-7/8"	4-1/2" LT&C	10.5# J-55	3400'±	300 sx to cover Abo and Tubb formations

Propose to drill to about 3400' to test Abo and intermediate formations.

See attached "Supplemental Drilling Data".

See Exhibit "D" for BOP diagram.

Gas is dedicated to Transwestern Pipeline Company.

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. LONG

TITLE

Agent

DATE

October 2, 1984

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

S/Homer Meyer, Acting

TITLE

Area Manager

DATE

10-18-84

CONDITIONS OF APPROVAL, IF ANY:

*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 plat, or 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.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR Part 3160.

PRINCIPAL PURPOSE: The information is to be used to process and evaluate your application for permit to drill, deepen, or plug back an oil or gas well.

ROUTINE USES: (1) The analysis of the applicant's proposal to discover and extract the Federal or Indian resources encountered. (2) The review of procedures and equipment and the projected impact on the land involved. (3) The evaluation of the effects of proposed operation on surface and subsurface water and other environmental impacts. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions, as well as routine regulatory responsibility.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if the lessee elects to initiate drilling operations on an oil and gas lease.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq) requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases.

This information will be used to analyze and approve applications.

Response to this request is mandatory only if the lessee elects to initiate drilling operations on an oil and gas lease.

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

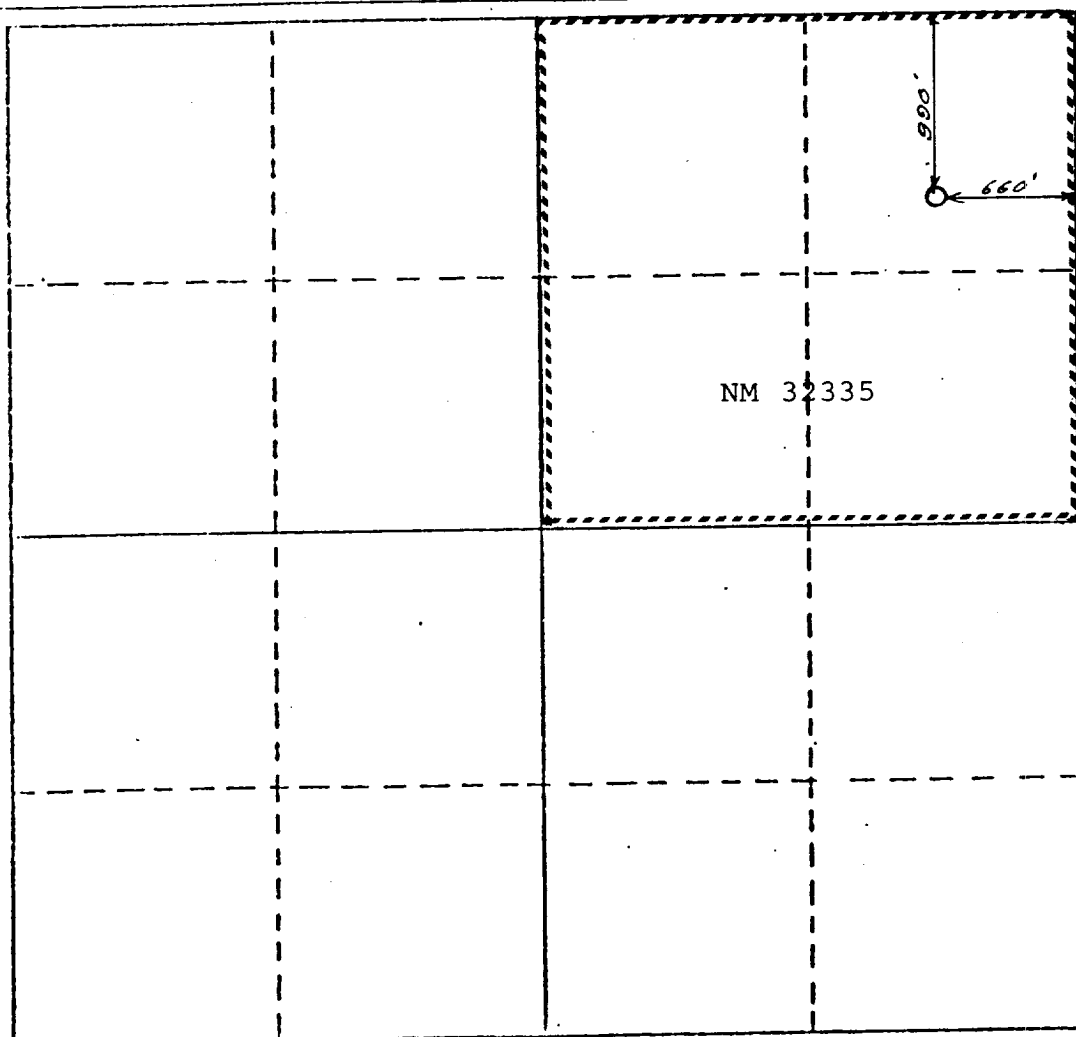
Operator Transwestern Gas Supply Co.		Lease No. 1 Pronghorn Federal		Well No. 1
Unit Letter A	Section 30	Township 4 south	Range 22 East	County Chaves
Actual Footage Location of Well: 990 feet from the North line and 660 feet from the East line				
Ground Level Elev. 4475	Producing Formation Abo	Pool Undesignated - Abo	Dedicated Acreage: 160 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.

Name
JERRY W. LONG
Position
Agent
Company
TRANSWESTERN GAS SUPPLY CO.
Date
October 2, 1984

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.

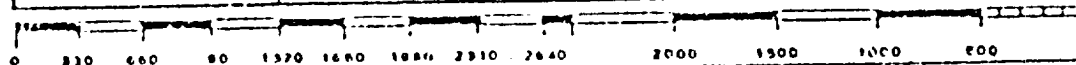
September 26, 1984

Date Surveyed
P. R. Patton

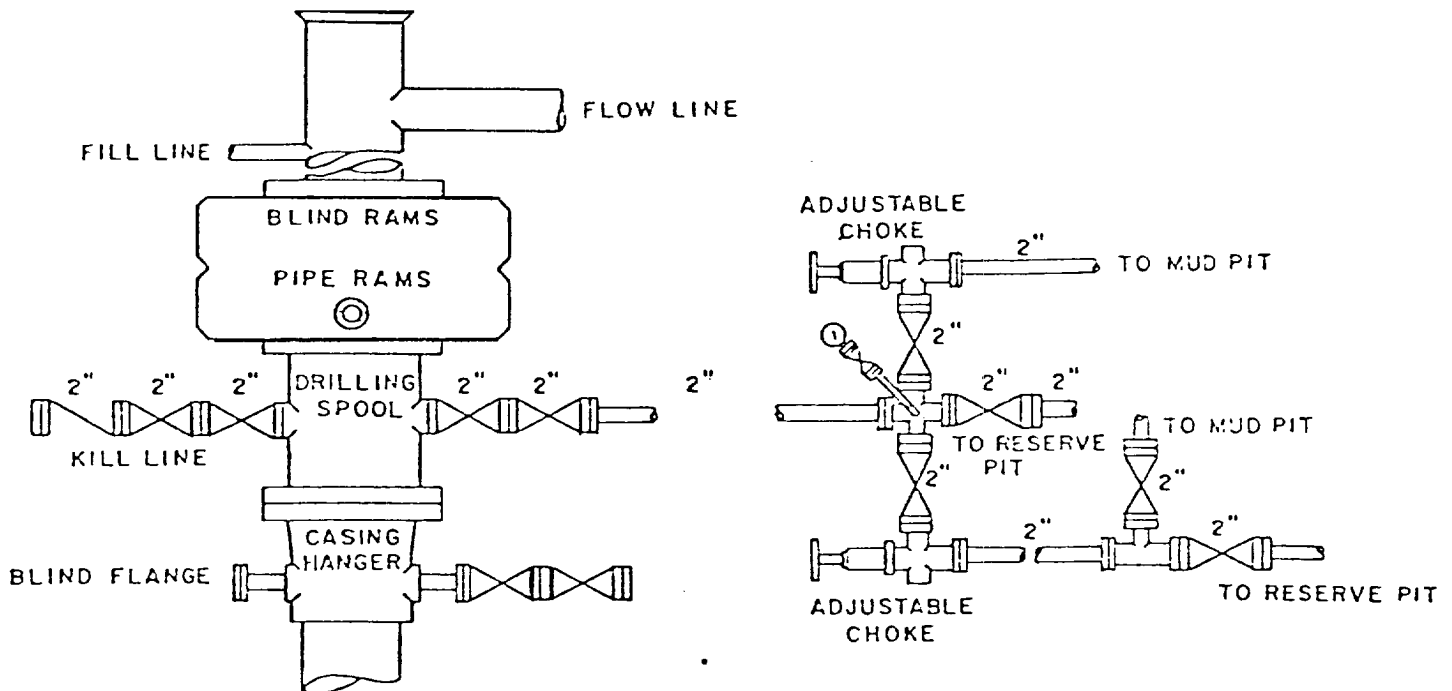
Registered Professional Engineer
and/or Land Surveyor

8112

Certificate No.



TRANSWESTERN GAS SUPPLY COMPANY
No.1 Pronghorn Federal
NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec.30-4S-22E
Chaves County, N.M.



BOP DIAGRAM

3000# Working Pressure
Rams Operated Daily

SUPPLEMENTAL DRILLING DATA

TRANSWESTERN GAS SUPPLY COMPANY
No.1 Pronghorn Federal
NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec.30-4S-22E
Chaves County, N.M.

NM 32335

The following items supplement Form 3160-3 in accordance with instructions contained in Onshore Oil and Gas Order No.1:

1. SURFACE FORMATION: Permian San Andres

2. ESTIMATED TOPS OF GEOLOGIC MARKER:

San Andres - Surface	Abo - 2745'
Glorieta - 1140'	TD - 3400'
Tubb - 2292'	

3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATION:

Fresh Water - None (Water wells in this area have been unsuccessful)
Salt Water - 2300' to TD
Gas - 2800' to 3400'

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 875'± and cement with 550± sx to circulate to surface.

4-1/2" Casing - Set to Total Depth and cement with about 300 sx to isolate all water, oil and gas zones.

5. PRESSURE CONTROL EQUIPMENT: BOP stack will consist of double-ram BOP 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 below 40'. Fresh water mud will be used to 875'. Salt gel mud will be used from 875' to TD.

TRANSWESTERN GAS SUPPLY COMPANY
No.1 Pronghorn Federal
NE¼NE¼ Sec.30-4S-22E
Chaves County, N.M.

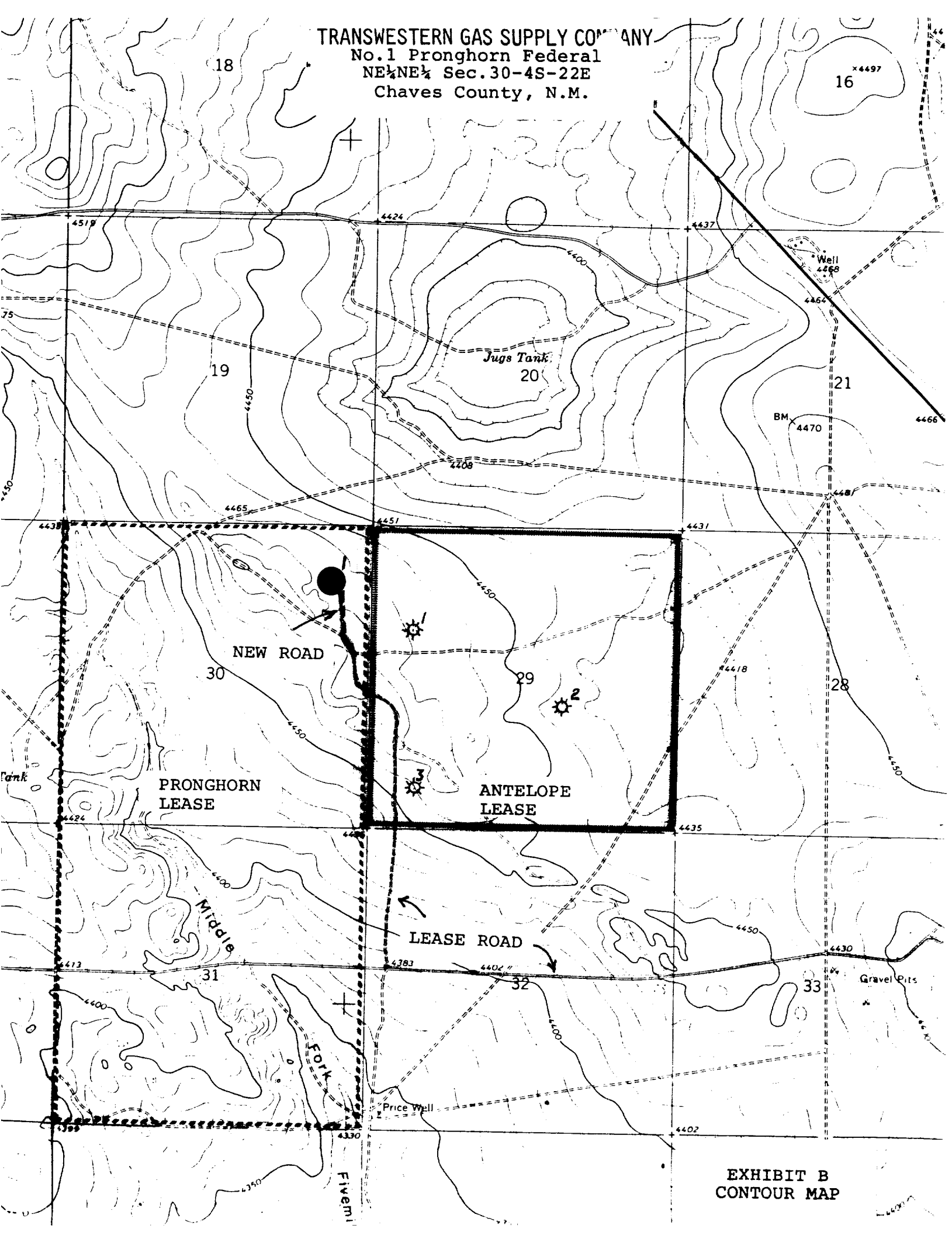
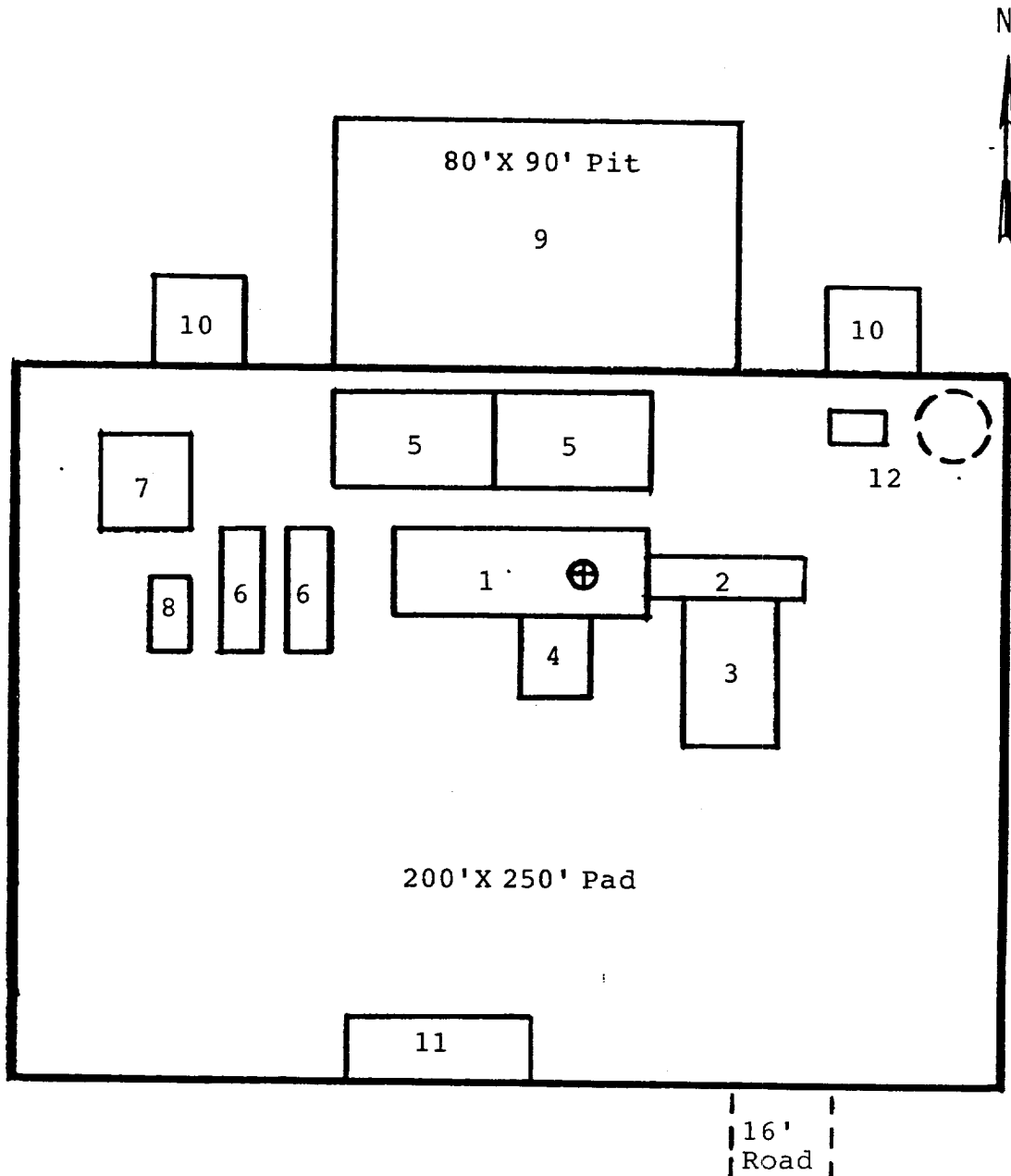


EXHIBIT B
CONTOUR MAP

TRANSWESTERN GAS SUPPLY COMPANY
No.1 Pronghorn Federal
NE¼NE¼ Sec.30-4S-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 |