

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-22749

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | | |
|--|--|--|--|
| 1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | 7. UNIT AGREEMENT NAME San Juan 31-6 Unit | |
| b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> | | 8. FARM OR LEASE NAME San Juan 31-6 Unit | |
| 2. NAME OF OPERATOR Northwest Pipeline Corporation | | 9. WELL NO. 7A | |
| 3. ADDRESS OF OPERATOR P.O. Box 90, Farmington, N.M. 87401 | | 10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 990' FSL & 1830' FEL Sec 1, T30N, R7W At proposed prod. zone Same as above | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 1, T30N, R7W | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 10 Miles East of Navajo Dam Post Office | | 12. COUNTY OR PARISH Rio Arriba | |
| 15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest well, unit line, if any) 990' | | 13. STATE New Mexico | |
| 16. NO. OF ACRES IN LEASE N/A | | 17. NO. OF ACRES ASSIGNED TO THIS WELL 320 / E 319.70 | |
| 18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2500' | | 19. PROPOSED DEPTH 5700' | |
| 20. ROTARY OR CABLE TOOLS Rotary | | 21. APPROX. DATE WORK WILL START June 1981 | |
| 22. ELEVATIONS (Show whether DE, RT, GR, etc.) 6329' GR | | 23. DRILLING OPERATIONS TO BE PERFORMED SUBJECT TO COMPLETION OF PROPOSED CASING AND CEMENTING PROGRAM "GENERAL PROGRAM" | |

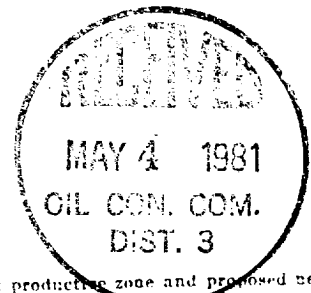
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | |
|--------------|----------------|-----------------|---------------|-----------|
| 12-1/4" | 9-5/8" | 36# | 200' | 125 cu.ft |
| 8-3/4" | 7" | 20# | 3615' | 300 cu.ft |
| 6-1/4" | 4-1/2" | 10.5# | 5700' | 350 cu.ft |

Selectively perforate and stimulate the Mesa Verde Formation
Completion plans will be determined at Total Depth

A BOP will be installed after the surface casing is set and cemented. All subsequent work will be conducted through the BOP's

The East half of Section 1 is dedicated to this well.

Gas is dedicated



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 Paul C. Thompson TITLE Drilling Engineer DATE 4-9-81
Paul C. Thompson
(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY: _____

TITLE _____

*See Instructions On Reverse Side

APPROVED
AS AMENDEDMAY 01 1981
JAMES F. SIMS
DISTRICT ENGINEER

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

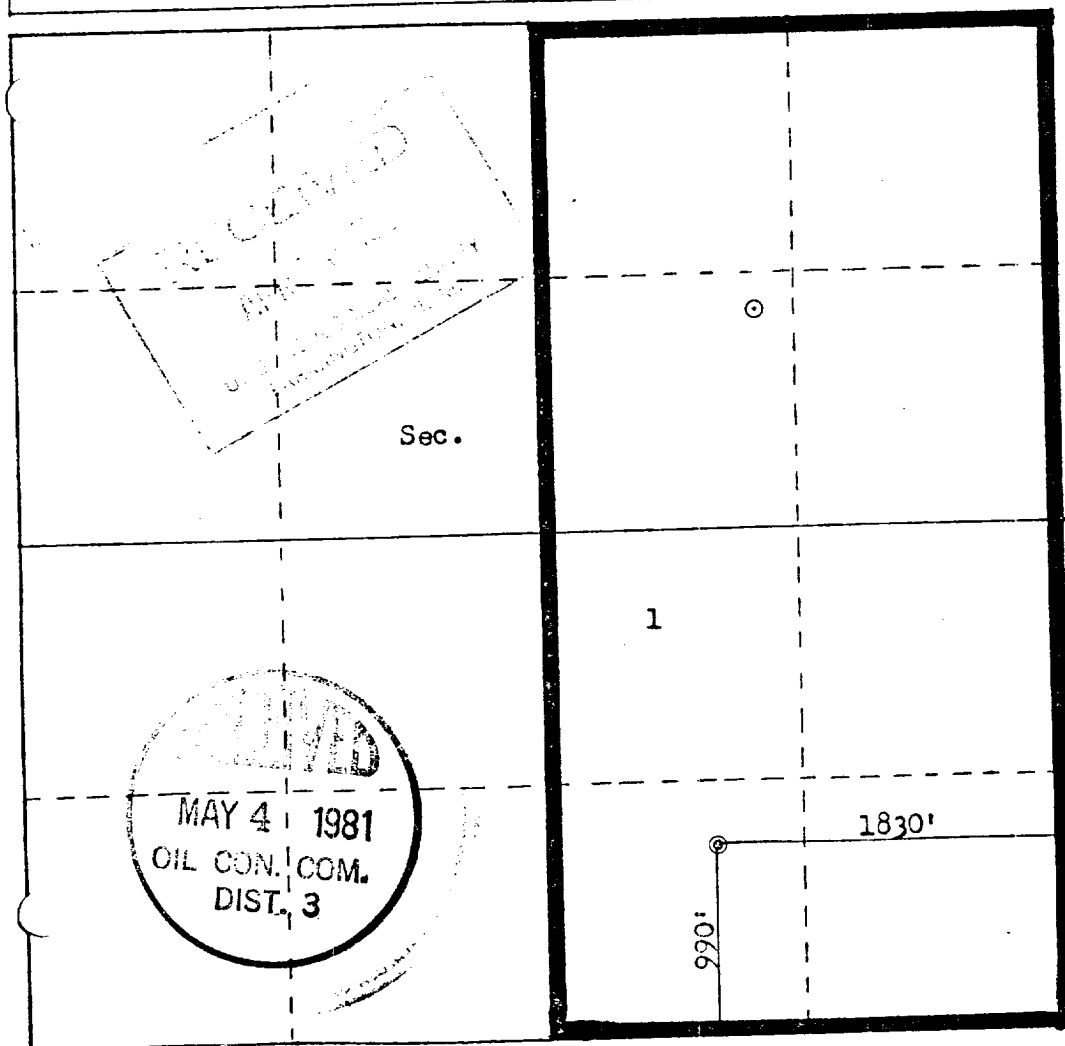
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|---|-----------------------------------|---------------------------|-----------------------------|---------------------------------|----------------|
| NORTHWEST PIPELINE CORPORATION | | | Lease SAN JUAN 31-6 UNIT | | Well No. 7A |
| Section 1 | Township 30N | Range 7W | County Rio Arriba | | |
| Actual Footage Location of Well: 990 feet from the South line and 1830 feet from the East line | | | | | |
| Ground Level Elev: 6329 | Producing Formation Mesa Verde | Pool Blanco Mesa Verde | | Dedicated Acreage: 320 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 Unitization

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.



Scale: 1"=1000'

CERTIFICATION

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

Paul C. Thompson

Name

Paul C. Thompson

Position

Drilling Engineer

Company

Northwest Pipeline Corp

Date

February 23, 1981

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.

Date Surveyed

February 18, 1981

Registered Professional Engineer
and Land Surveyor*Fred B. Kerr, Jr.*
Fred B. Kerr, Jr.

Certificate No.

3950