

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-22709

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			4. LEASE DESIGNATION AND SERIAL NO. SF 078738
2. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐			5. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. NAME OF OPERATOR Northwest Pipeline Corporation			6. UNIT AGREEMENT NAME San Juan 30-5 Unit
4. ADDRESS OF OPERATOR P.O. Box 90, Farmington, N.M. 87401			7. FARM OR LEASE NAME San Juan 30-5 Unit
5. LOCATION OF WELL (If not location clearly and in accordance with any State requirements.) At surface 790' FWL & 1350' FSL Sec 27, T30N, R5W At proposed prod. zone Same as above			8. WELL NO. #81
6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 25 Miles East of Navajo Dam			9. FIELD AND POOL OR WILDCAT Basin Dakota
7. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 790'			10. SEC. T. R. M. OR BLK. AND SURVEY OR AREA Sec 27, T30N, R5W
8. NO. OF ACRES IN LEASE N/A			11. COUNTY OR PARISH, 12. STATE Rio Arriba New Mexico
9. NO. OF ACRES ASSIGNED TO THIS WELL 320			13. PROPOSED DEPTH 8010'
10. PROPOSED DEPTH 200'			14. ROTARY OR CABLE TOOLS Rotary
11. ELEVATION (Show whether DB, RT, GR, etc.) 6539' GR			15. APPROX. DATE WORK WILL START* April 1981

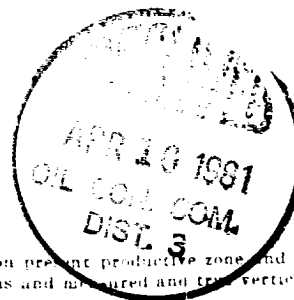
PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	350'	185 cu.ft
8-3/4"	7"	20#	3811'	300 cu.ft
6-1/4"	4-1/2"	11.6# & 10.5#	8010'	660 cu.ft

Selectively perforate and stimulate the Dakota 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 West half of Section 27 is dedicated to this well

Gas is dedicated



18. 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 prevention program, if any.

21. Paul C. Thompson TITLE Drilling Engineer DATE 2-27-81
Paul C. Thompson
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions On Reverse Side

APPROVED
AS AMENDED

APR 09 1981
James F. Sims
DISTRICT ENGINEER

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-72

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

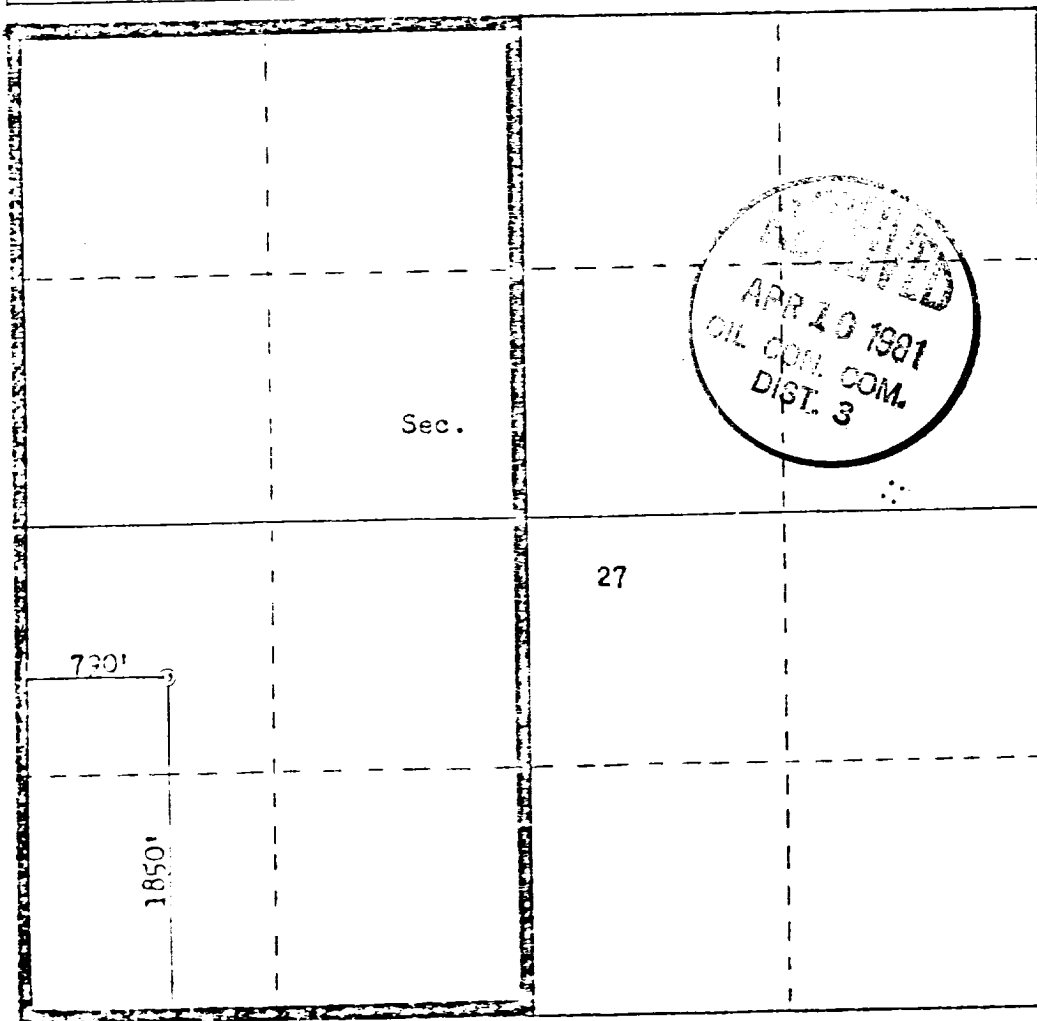
NORTHWEST PIPELINE CORPORATION			Lease SAN JUAN 30-5 UNIT		Well No. 81
Section 27	Township 30N	Range 5W	County Rio Arriba		
Location of Well:					
1850'	feet from the South	line and 790	feet from the West	line	
Ground Level Elev. 6537	Producing Formation Dakota	Pool Basin Dakota		Dedicated Acreage 320	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 19, 1981
Registered Professional Engineer and Land Surveyor <i>Fred B. Kerr Jr.</i> Fred B. Kerr Jr.

Certificate No.
3950

