

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-23176

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"/>			5. LEASE DESIGNATION AND SERIAL NO. NM 012332	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Northwest Pipeline Corporation			7. UNIT AGREEMENT NAME San Juan 30-5 Unit	
3. ADDRESS OF OPERATOR P.O. Box 90, Farmington, N.M. 87499			8. FARM OR LEASE NAME San Juan 30-5 Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with applicable State requirements.) At surface 2220 F ^W & 1970 F ^S NE/SW At proposed prod. zone 2220 F ^W & 1970 F ^S			9. WELL NO. #102	
11. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 20 Miles East of Navajo Dam Post Office			10. FIELD AND POOL, OR WILDCAT Basin Dakota	
12. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 420			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA K Sec 34, T30N, R5W	
13. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 300			12. COUNTY OR PARISH 13. STATE Rio Arriba N.M.	
14. NO. OF ACRES IN LEASE N/A			17. NO. OF ACRES ASSIGNED TO THIS WELL 5 320	
15. PROPOSED DEPTH 8225'			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6858' GR			22. APPROX. DATE WORK WILL START* December 1982	

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FARMINGTON, N. M.

23. 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"	32.3#	350'	220 cu. ft
8-3/4"	7"	20#	3930'	265 cu. ft
6-1/4"	4-1/2"	10.5# & 11.6#	8225'	675 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 34 is dedicated to this well.

Gas is dedicated.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

This action is subject to administrative
appeal pursuant to 30 CFR 290.

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
Paul C. Thompson
(This space for Federal or State office use)

TITLE Drilling EngineerDATE November 24, 1982

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

PCT:djb

B NSL 1616

*See Instructions On Reverse Side

NMOCC

JAMES E. SLIMS
DISTRICT ENGINEER

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-7

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

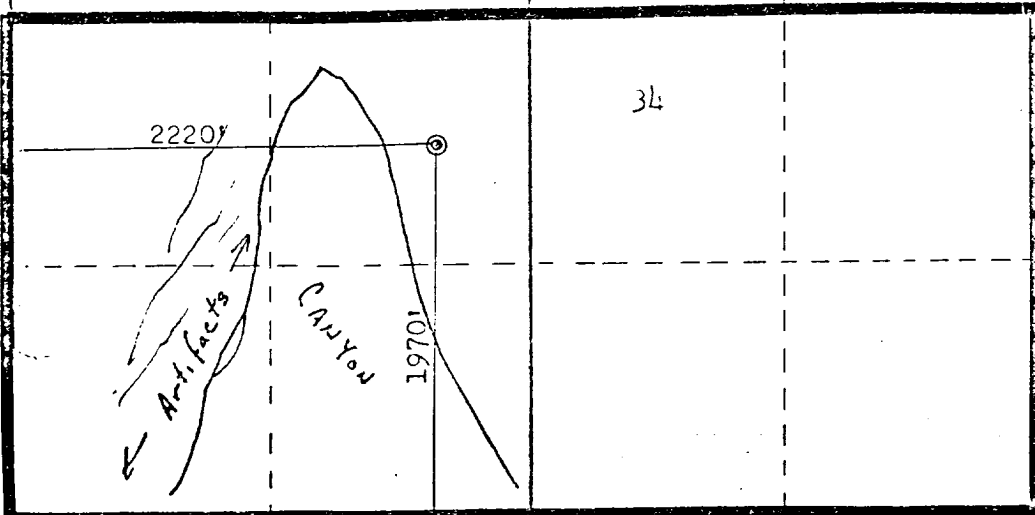
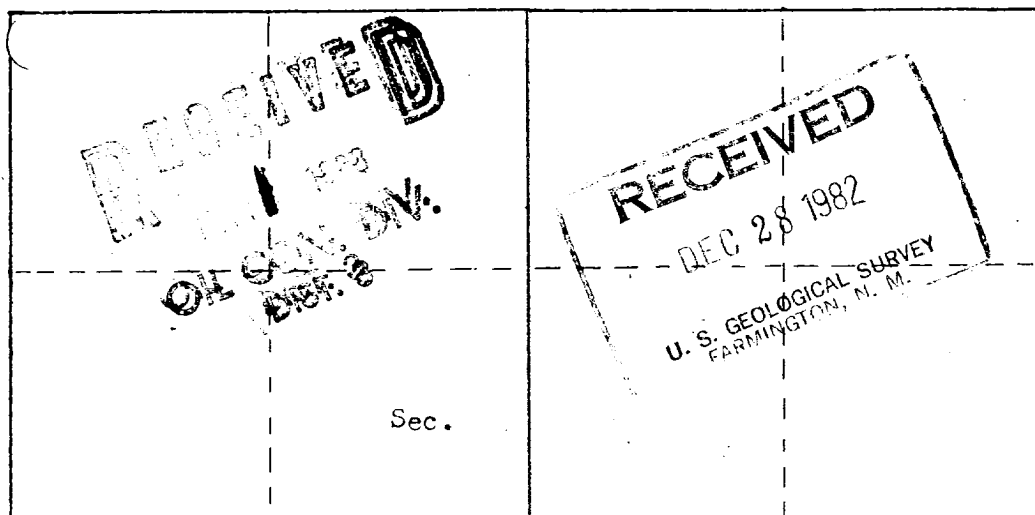
Operator NORTHWEST PIPELINE CORPORATION			Lease SAN JUAN 30-5 UNIT		Well No. 102
Unit Letter K	Section 34	Township 30N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 1970 feet from the South line and 2220 feet from the West line					
Ground Level Elev. 6853	Producing Formation DAKOTA		Pool BASIN DAKOTA	Dedicated Acreage: 5 320 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.



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 Thompson

Position

Drilling Engineer

Company

Northwest Pipeline Corp.

Date

10-22-82

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.

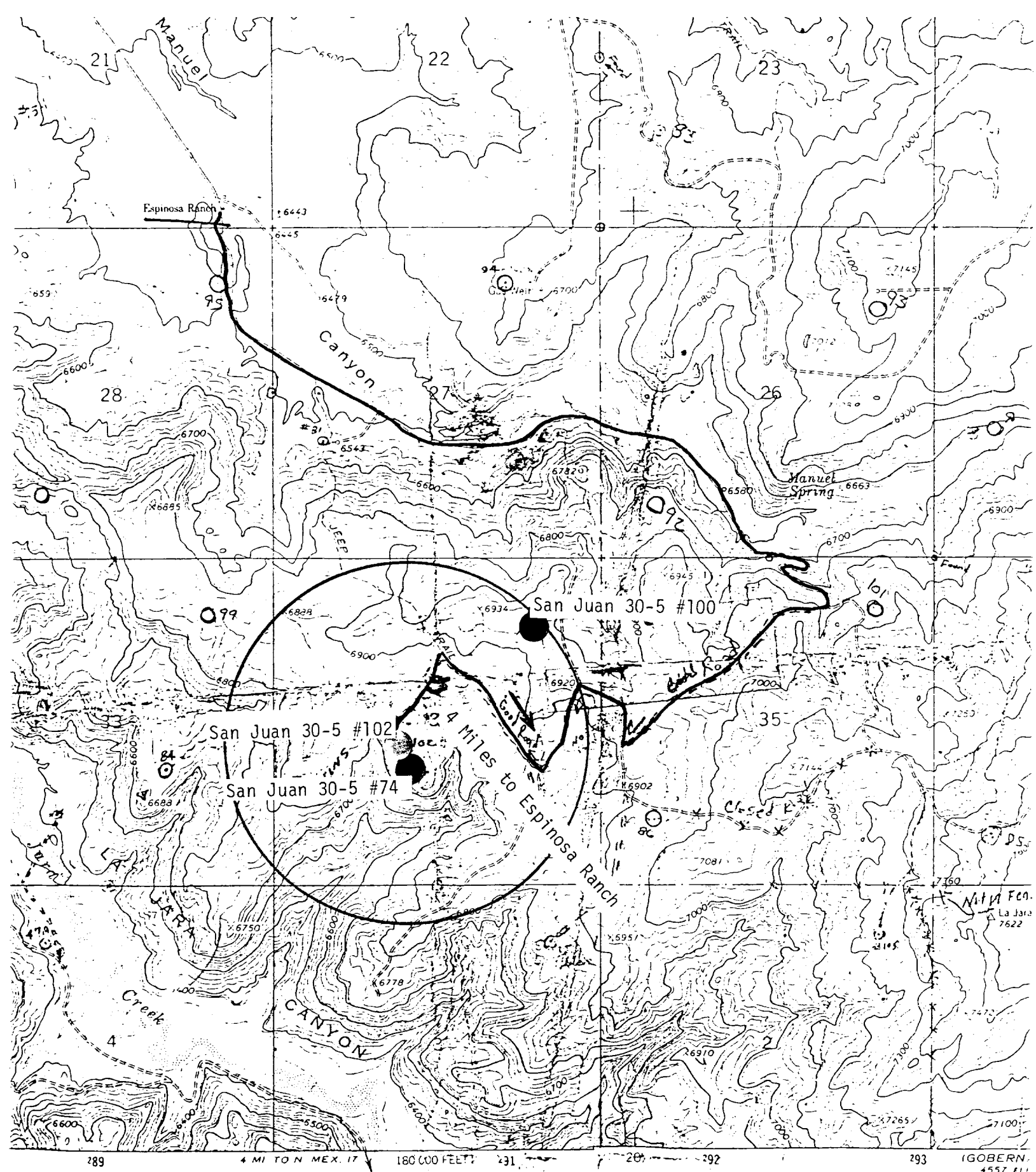
Date Surveyed

October 20, 1982

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No. 4



and published by the Geological Survey
SC&GS

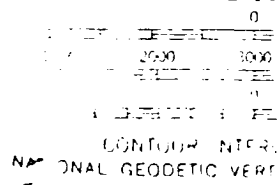
metric methods from aerial
3 and 1962. Field checked 1963

1927 North American datum
on New Mexico coordinate system, central zone
1 Transverse Mercator grid ticks.

Vicinity Map for
NORTHWEST PIPELINE CORP. #102 SAN JUAN 30-5 UNIT
2220' FSL 1970' FWL Sec. 34-T30N-R5W
RIO ARriba COUNTY, New Mexico

1/25 MILS 1/240 MILS

SCALE 1:1



CONTOUR INTERVAL
NATIONAL GEODETTIC VER