

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

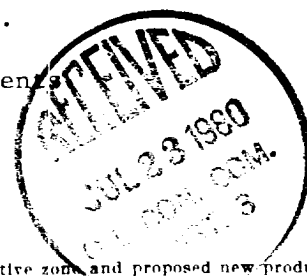
1. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 012335
2. NAME OF OPERATOR Northwest Pipeline Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 90, Farmington, New Mexico 87401		7. UNIT AGREEMENT NAME San Juan 30-5 Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1120' FSL & 1580' FEL At proposed prod. zone As Above		8. FARM OR LEASE NAME San Juan 30-5 Unit
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 Miles South		9. WELL NO. 14 A
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1120'		10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde
16. NO. OF ACRES IN LEASE NA		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 31, T30N, R5W
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		12. COUNTY OR PARISH Rio Arriba
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2980'		13. STATE New Mexico
19. PROPOSED DEPTH 6200'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DE, RT, GR, etc.) 6672'		22. APPROX. DATE WORK WILL START* October 15, 1979

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4"	9 5/8"	32.3#	200	125 sks
8 3/4"	7"	20.0#	3500	150 sks
6 1/4"	4 1/2"	10.5#	3300-6200	375 sks

It is proposed to drill this well to total depth using a water base mud & gas. In the event Hydrocarbons are encountered on a commercial basis, 4 1/2" production casing will be set and cemented, and the zone of interest will be perforated and stimulated. A B.O.P. will be installed on the surface casing head and all subsequent operations will be conducted through the B.O.P.'s. B.O.P.'s will be tested daily.

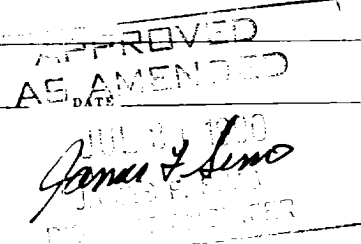
For additional pertinent information, please refer to the attachment.
The E/2 of Section 30 is dedicated. Gas is dedicated.



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.

23. SIGNED William J. Billman TITLE Drilling Engineer DATE 9/25/79
William J. Billman
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____



*See Instructions On Reverse Side

44-111000

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

All distances must be from the outer boundaries of the Section

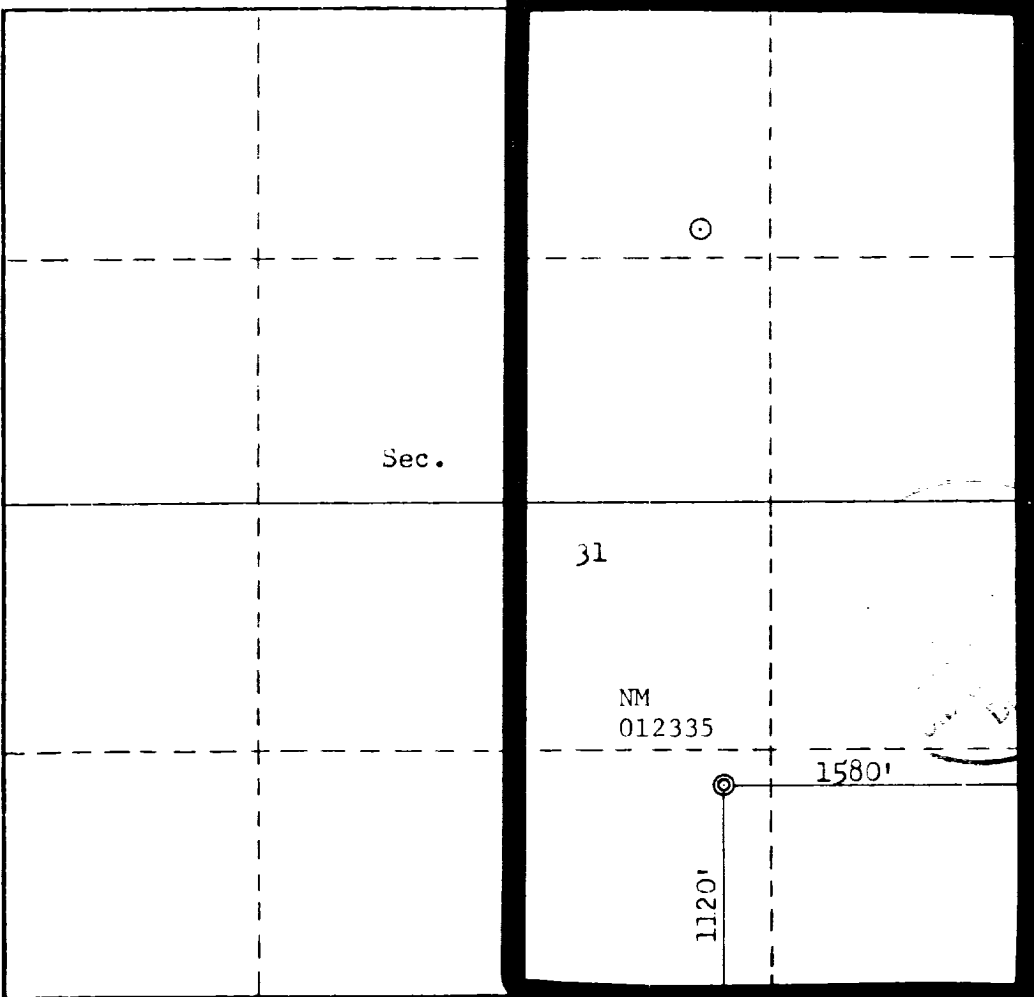
Operator NORTHWEST PIPELINE CORPORATION			Lease SAN JUAN 30-5 UNIT		Well No. 11A
Unit Letter 0	Section 31	Township 30N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 1120 feet from the South line and 1580 feet from the East line					
Ground Level Elev. 6672	Producing Formation Mesa Verde		Pool Blanco		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 _____

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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Name: William J Billman Position: Drilling Engineer Company: Northwest Pipeline Date: September 24, 1979 <i>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.</i> Date Surveyed: September 23, 1979 Registered Professional Engineer and/or Land Surveyor: Fred B. Kerr Jr. Certificate No. 3950
--	---