

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039 22943

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. Jicarilla Lease #93	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Northwest Pipeline Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 90, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Jicarilla 93	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1660 FWL & 1850 FNL At proposed prod. zone 1660 FWL & 1850 FNL		9. WELL NO. #12	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 17 miles NW of Lindrith, New Mexico		10. FIELD AND POOL, OR WILDCAT Blanco MV / Gavilan PC _{apt}	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest d. unit line, if any) 1660'	16. NO. OF ACRES IN LEASE 2560	17. NO. OF ACRES ASSIGNED TO THIS WELL 160 PC 320 MV	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR PLUGGED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 6220'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7152' GR		22. APPROX. DATE WORK WILL START* April 1982	

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#	200'	137 cu.ft. of slurry
8-3/4"	7"	20#	4160'	200 cu.ft. of slurry
6-1/4"	4-1/2"	10.5#	6220'	400 cu.ft. of slurry

Selectively perforate and stimulate the Pictured Cliffs and 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 W/2 of Section 34 is dedicated to the Mesa Verde well and the NW/4 of Section 34 is dedicated to the Pictured Cliffs well.

Gas is dedicated.

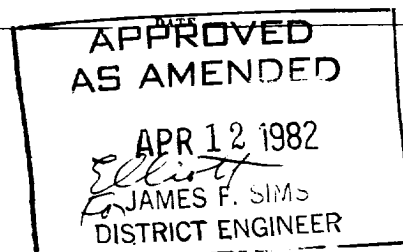
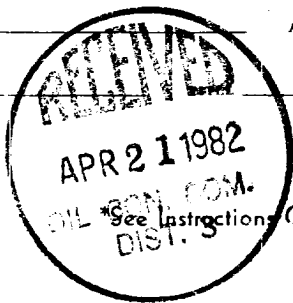
"THIS IS A DEMAND WELL ON JICARILLA LAND"

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 Mike Turnbaugh TITLE Drilling Engineer DATE March 30, 1982
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:



MJT:djb 3-30-82

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

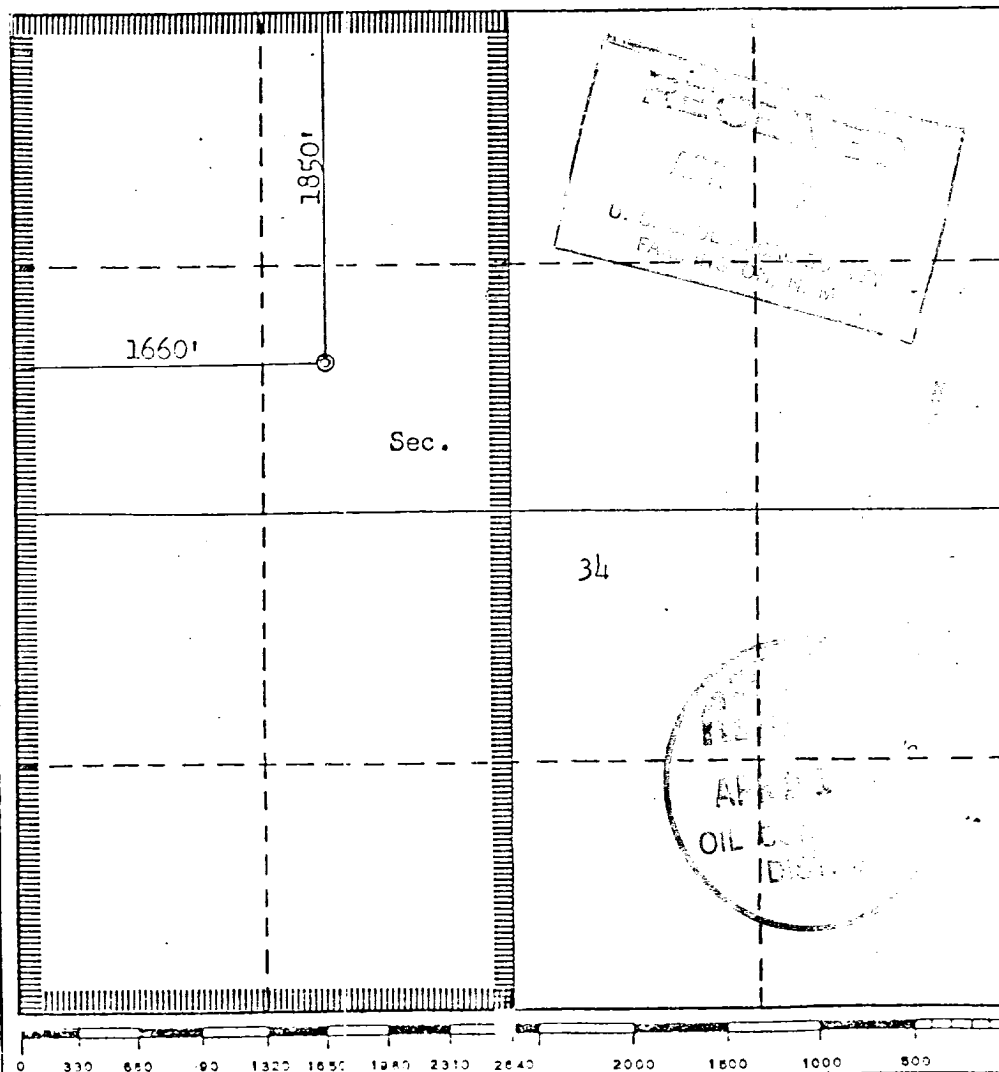
Operator NORTHWEST PIPELINE CORPORATION			Lease JICARILLA 93		Well No. 12
Unit Letter F	Section 34	Township 27N	Range 3W	County Rio Arriba	
Actual Footage Location of Well: 1850 feet from the North line and 1660 feet from the West line					
Ground Level Elev. 7152	Producing Formation Pictured Cliffs/MV	Pool Gavilan PC / Blanco MV		Dedicated Acreage: PC 160/MV 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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Mike Turnbaugh
Name

Mike Turnbaugh

Position
Drilling Engineer

Company
Northwest Pipeline Corporation

Date
March 30, 1982

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

March 26, 1982
Registered Professional Surveyor and/or Land Surveyor

Fred B. Kern Jr.
Fred B. Kern Jr.

Certificate No.
3950