

DEVIATION REPORT

NAME OF COMPANY Northwest Pipeline Corp. ADDRESS P.O. Box 90, Farmington, NM 87401
LEASE San Juan 29-6 Unit Well #44A Unit E Section 26 TWS 29N Range 6W
POOL Blanco Mesa Verde COUNTY Rio Arriba

DEPTH

DEVIATION

245'	0°
820'	1/4°
1340'	3/4°
1505'	1 1/4°
2007'	1°
2422'	1°
2913'	1°
3400'	3/4°
3681'	3/4°
4168'	1°
4540'	1°
4915'	1°
5077'	3/4°
5677'	3/4°



Certificate: I, the undersigned, state that I, D.H. Maroncelli, acting in my capacity as Drilling Engineer of Northwest Pipeline Corp., am authorized by said Company to make this report; and that this report was prepared by me or under my supervision and directions and that the facts stated therein are true to the best of my knowledge and belief.

Subscribed and sworn to before me this 25th day of April, 1977

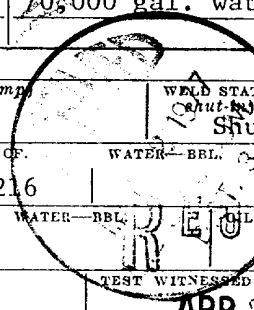
Virginia A. Copeland
NOTARY PUBLIC IN AND FOR SAN JUAN COUNTY, NEW MEXICO

Form approved.
Budget Bureau No. 42-R355.5.

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____						7. UNIT AGREEMENT NAME San Juan 29-6 Unit	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ OFF-ESVR. ☐ Other _____						S. FARM OR LEASE NAME San Juan 29-6 Unit	
2. NAME OF OPERATOR Northwest Pipeline Corporation						9. WELL NO. 44A	
3. ADDRESS OF OPERATOR P.O. Box 90, Farmington, New Mexico 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 1540' FNL & 950' FWL At top prod. interval reported below As above At total depth As above						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 26, T29N, R6W	
14. PERMIT NO.				DATE ISSUED		12. COUNTY OR PARISH Rio Arriba	
						13. STATE N.M.	
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMP. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	
4-5-77		4-11-77		4-2-77		6413' GR	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
5677'		5638'				All	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*						25. WAS DIRECTIONAL SURVEY MADE	
5102' to 5584' W/25 shots						No	
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS WELL CORED	
GR-Neutron						No	
28. CASING RECORD (Report all strings set in well)							
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
9 5/8"	32.3	237'	12 1/4"	125 sks.			
7"	20	3681'	8 3/4"	150 sks.			
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
4 1/2"	3495'	5673'	10		SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5585'	None
31. PERFORATION RECORD (Interval, size and number) One shot at:							
5102', 5108', 5140', 5146', 5159', 5164', 5176', 5184', 5258', 5264', 5270', 5312', 5400', 5406', 5494', 5500', 5506', 5512', 5524', 5534', 5549', 5554', 5562', 5566', 5584'. Size: 0.32" holes				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				5102' - 5584'		1500 gal. 7 1/2% HCl. Fraced w/ 60,000# 20/40 sand and 70,000 gal. water.	
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing gas lift, pumping—size and type of pump)				WELL STATUS (Producing or Shut-in)	
		Flowing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4-22-77	3	48/64	->		CV 8216		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	REL. GRAVITY-API (CORR.)	
481 PSIG	773 PSIG	->		AOF 15,900			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							
Waiting on pipeline connection							
35. LIST OF ATTACHMENTS							



APR 27 1977

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED D. V. Maroncelli TITLE Sr. Drilling Engineer DATE April 25, 1977

*** (See Instructions and Spaces for Additional Data on Reverse Side)**

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals: top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Mesa Verde	5098'		SS. Buff to light gry., silty in part, fine to medium grained, interbedded with siltstone, shale and coal.	Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis Cliff House Menefee Point Lookout T.D.	2405' 2536' 3031' 3326' 3481' 5098' 5172' 5491' 5677'	Same " " " " " " " "

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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

I. Operator
Northwest Pipeline Corporation
Address
P.O. Box 90, Farmington, New Mexico 87401
Reason(s) for filing (Check proper box)
New Well ☒ Change In Transporter of:
Recompletion ☐ Oil ☐ Dry Gas ☐
Change In Ownership ☐ Casinghead Gas ☐ Condensate ☐
Other (Please explain)

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
San Juan 29-6 Unit	44A	Blanco Mesa Verde	XXXX Federal XXXXX	SF 080377
Location Unit Letter <u>E</u> ; <u>1540'</u> Feet From The <u>North</u> Line and <u>950'</u> Feet From The <u>West</u> Line of Section <u>26</u> Township <u>29N</u> Range <u>6W</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
Northwest Pipeline Corporation	3539 East 30th, Farmington, New Mexico 87401
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
Northwest Pipeline Corporation	3539 East 30th, Farmington, New Mexico 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded 4-5-77	Date Compl. Ready to Prod. 4-22-77	Total Depth 5677'	P.B.T.D. 5638'					
Elevations (DF, RKB, RT, GR, etc.) 6413' GR	Name of Producing Formation Mesa Verde	Top Oil/Gas Pay 5102'	Tubing Depth 5585'					
Perforations 5102' - 5584' w/25 shots			Depth Casing Shoe 5673'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12 1/4"	9 5/8"	237'	125					
8 3/4"	7"	3681'	150					
6 1/4"	4 1/2" Liner	3495'-5673'	210					
-	2 3/8" Tubing	5585'	-					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test 4-22-77	Producing Method (Flow, pump, gas lift, etc.) Flow	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D CV 8216 AOF 15,900	Length of Test 3 hrs.	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.) Back Pressure	Tubing Pressure (Shut-in) 1014 PSIG	Casing Pressure (Shut-in) 1014 PSIG	Choke Size 48/64

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

D.H. Maroncelli

(Signature)

Drilling Engineer

(Title)

4/25/77

(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19

BY Original Signed by A. R. Hendrick
SUPERVISOR DIST. #3

TITLE _____

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.