

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other _____		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other _____
2. NAME OF OPERATOR Northwest Pipeline Corporation						5. LEASE DESIGNATION AND SERIAL NO. NM 012698	
3. ADDRESS OF OPERATOR P.O. Box 90, Farmington, New Mexico 87401						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 880' FSL & 950' FEL At top prod. interval reported below same At total depth same						7. UNIT AGREEMENT NAME San Juan 29-6 Unit	
14. PERMIT NO.						8. FARM OR LEASE NAME San Juan 29-6 Unit	
DATE ISSUED						9. WELL NO. 21A	
15. DATE SPUDDED 5-7-78						10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde	
16. DATE T.D. REACHED 5-13-78						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 11 T29N R6W	
17. DATE COMPL. (Ready to prod.) 6-1-78						12. COUNTY OR PARISH Rio Arriba	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6768' GR						13. STATE New Mexico	
20. TOTAL DEPTH, MD & TVD 6080'		21. PLUG, BACK T.D., MD & TVD 6043'		22. IF MULTIPLE COMPL., HOW MANY*		19. ELEV. CASINGHEAD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5534' - 5988'; Mesa Verde						23. INTERVALS DRILLED BY all	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR-Neutron, CCL						25. WAS DIRECTIONAL SURVEY MADE no	
27. WAS WELL CORED no						27. WAS WELL CORED no	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
9-5/8"		32.3#		180'		12-1/4"	
7"		20.0#		4000'		8-3/4"	
						CEMENTING RECORD	
						125 sks	
						160 sks	
						AMOUNT PULLED	
						4 bbls	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
4-1/2"		3817'		6078'		200	
						SCREEN (MD)	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-3/8"		5981'		none			
31. PERFORATION RECORD (Interval, size and number)							
5534 5604 5746 5830 5884 5930							
5542 5654 5754 5840 5894 5940							
5546 5664 5766 5864 5906 5948							
5552 5702 5800 5870 5914 5958							
5558 5736 5808 5878 5922 5976 5988							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
5534'-5988'				Spot 500 gal 7 1/2% HCl & perfed.			
31 holes				Pumped 1000 gal 7 1/2% HCl & dropped			
				50 balls. Pumped 10,000 gal pad			
				& fraced w/ 100,000# 20/40 sand in			
				slick wtr. Total fluid 110,000 gal.			
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
N/A		Flowing				Shut-in	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
6-1-78		3 hrs		0.750"		OIL—BBL. GAS—MCF.	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL. GAS—MCF.	
178 psig		477 psig		—		CV 2259 AOF 4071	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Waiting on pipeline connection							
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Barbara C. Rex</u>		TITLE <u>Production Clerk</u>				DATE <u>June 8, 1978</u>	

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

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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 19: 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: "Sacks 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			Ss. 1t to med gry, silty in part, fn to med gr, interbedded w/ siltstone, 1t to dk gry carbonaceous shale.	Cliff House Menefee Point Lookout	5525' 5562' 5864'	same same same