

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R3556.

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																	
3. ADDRESS OF OPERATOR P.O. Box 90, Farmington, New Mexico 87401																	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1160' FSL & 1110' FEL At top prod. interval reported below As above At total depth As above																	
14. PERMIT NO.					DATE ISSUED												
15. DATE SPUDDED 3-28-77																	
16. DATE T.D. REACHED 4-2-77																	
17. DATE COMPL. (Ready to prod.) 4-12-77																	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6419' GR																	
19. ELEV. CASINGHEAD																	
20. TOTAL DEPTH, MD & TVD 5666'				21. PLUG, BACK T.D., MD & TVD 5585'				22. IF MULTIPLE COMPL., HOW MANY*									
23. INTERVALS DRILLED BY				ROTARY TOOLS				CABLE TOOLS									
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5082' to 5548' Mesa Verde				25. WAS DIRECTIONAL SURVEY MADE No				26. WAS WELL CORED No									
27. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray - Neutron																	
23. CASING RECORD (Report all strings set in well)																	
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED							
9 5/8"		32.3		230'		12 1/4"		125 sks.									
7"		20		3675'		8 3/4"		150 sks.									
29. LINER RECORD										30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)			
4 1/2"		3496'		5662'		210				2 3/8"		5532'		None			
31. PERFORATION RECORD (Interval, size and number) One shot at: 5082', 5088', 5094', 5100', 5108', 5128', 5134', 5154', 5242', 5254', 5279', 5320', 5326', 5409', 5416', 5480', 5486', 5492', 5502', 5512', 5518', 5524', 5530', 5536', 5548'. Size: 0.32" holes										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
										DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED					
										5082' - 5548'		1500 gal. 7 1/2% HCl. Fraced w/60,000# 20/40 sand and 70,000 gal. slick water.					
33.* PRODUCTION																	
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing						WELL STATUS (Producing or shut-in) Shut-in									
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO			
4-12-77		3		48/64		→				6098							
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)					
361 PSIG		695 PSIG		→				11,493									
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Waiting on pipeline connection										TEST WITNESSED BY							
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		D.H. Maoncell						TITLE				Production Engineer		DATE		4/14/77	

*(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 33.

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: "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:				38. GEOLOGIC MARKERS		
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						
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Mesa Verde	5076'		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.	2438' 2569' 3020' 3315' 3470' 5076' 5156' 5477' 5666'	Same " " " " " " " "