

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions 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											
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 1110' FSL & 1190' FEL At top prod. interval reported below As above At total depth As above											
14. PERMIT NO.				DATE ISSUED							
15. DATE SPUDDED 8-2--76				16. DATE T.D. REACHED 9-6-76				17. DATE COMPL. (Ready to prod.) 9-20-76			
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6583' GR				19. ELEV. CASINGHEAD							
20. TOTAL DEPTH, MD & TVD 5811'				21. PLUG, BACK T.D., MD & TVD 5763'				22. IF MULTIPLE COMPL., HOW MANY*			
23. INTERVALS DRILLED BY →				ROTARY TOOLS ALL				CABLE TOOLS			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5142' - 5740' Mesa Verde										25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Induction & Density										27. WAS WELL CORED No	
28. 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"		40#		226'		12 1/4"		115sxs.			
7"		20#		3646'		8 3/4"		200 sxs.			
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)			
4 1/2"		3465'		5807'		220					
30. TUBING RECORD											
SIZE		DEPTH SET (MD)		PACKER SET (MD)							
2 3/8"		5720'		None							
31. PERFORATION RECORD (Interval, size and number of holes) One shot at: 5142', 5148', 5156', 5164', 5173', 5198', 5206', 5213', 5224', 5433', 5470', 5478', 5484', 5490', 5500', 5572', 5578', 5588', 5594', 5604', 5614', 5620', 5633', 5641', & 5740'. Size: 0.32" holes											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED							
5142' - 5740'				1,500 gals. 7 1/2% HCl w/35 ball sealers. Fraced with 70,000 gals. water and 60,000 # 20/40 sand.							
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 9-20-76		HOURS TESTED 3		CHOKE SIZE 3/4		PROD'N. FOR TEST PERIOD →		OIL—BBL. CV 4715		GAS—MCF. WATER—BBL.	
FLOW. TUBING PRESS. 421 PSIG		CASING PRESSURE 745 PSIG		CALCULATED 24-HOUR RATE →		OIL—BBL.		GAS—MCF. WATER—BBL.		OIL GRAVITY-API (CORR.)	
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. Maroncelli		TITLE Production Engineer						DATE 9-22-76			

*(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: "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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Mesa Verde	5084'		SS. Buff to light gry., silty in part, fine to medium grained, interbedded with siltstone, shale and coal.	Ojo Alamo	2157'	Same
				Kirtland	2397'	"
				Fruitland	3037'	"
				Pictured Cliffs	3255'	"
				Lewis	3446'	"
				Cliff House	5084'	"
				Menefee	5232'	"
				Point Lookout	5563'	"
				T.D.	5811'	"