

**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. EESVR.  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 1090' FNL & 1090' FEL  
 At top prod. interval reported below As above  
 At total depth As above

**14. PERMIT NO.** \_\_\_\_\_ **DATE ISSUED** \_\_\_\_\_

**5. LEASE DESIGNATION AND SERIAL NO.**  
NM 011350  
**6. IF INDIAN, ALLOTTEE OR TRIBE NAME**  
\_\_\_\_\_  
**7. UNIT AGREEMENT NAME**  
San Juan 29-5 Unit  
**8. FARM OR LEASE NAME**  
San Juan 29-5 Unit  
**9. WELL NO.**  
5-X  
**10. FIELD AND POOL, OR WILDCAT**  
Blanco Mesa Verde  
**11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA**  
Sec. 33, T29N, R5W  
**12. COUNTY OR PARISH** Rio Arriba **13. STATE** NM

**15. DATE SPUNDED** \_\_\_\_\_ **16. DATE T.D. REACHED** 6-14-76 **17. DATE COMPL. (Ready to prod.)** 8-9-76 **18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*** 6731' GR **19. ELEV. CASINGHEAD** \_\_\_\_\_

**20. TOTAL DEPTH, MD & TVD** 6050' **21. PLUG, BACK T.D., MD & TVD** 6036' **22. IF MULTIPLE COMPL., HOW MANY\*** \_\_\_\_\_ **23. INTERVALS DRILLED BY** All **ROTARY TOOLS** \_\_\_\_\_ **CABLE TOOLS** \_\_\_\_\_

**24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, DATE T.D. REACHED, ELEV.** 5530 - 6010 Mesa Verde **25. WAS DIRECTIONAL SURVEY MADE** No

**26. TYPE ELECTRIC AND OTHER LOGS RUN** Gamma Ray Collar Correlation **27. WAS WELL CORED** No

**RECEIVED**  
**AUG 13 1976**

**28. CASING RECORD (Interval, size and number)**

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36	159'	13-3/4"	150 Sks.
7"	20 & 23	5470'	8-3/4"	500 Sks.
4-1/2"	10.5	6050'	6-1/8"	125 Sks.

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/4"	6003'	KB
					2-3/8"	5667'	

**31. PERFORATION RECORD (Interval, size and number)**  
 5530-5544; 5554-5568; 5611-5618 w/14 holes per zone.  
 5870-5882; 5900-5912; 5928-5940; 5964-5970;  
 5986-5992; 6004-6010 with 12 holes per zone.

**32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5870' - 6010'	60,000 # 20/40 and 66,000 gal. water.
5530' - 5618'	30,000 # 20/40 and 35,000 gal. 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
8-9-76	3 hrs.	3/4	→		810		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
56 PSIG		→		AOF 833			

**34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)** Shut-in **TEST WITNESSED BY** \_\_\_\_\_

**35. LIST OF ATTACHMENTS**  
D.H. Maroncelli

**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** 8-12-76

\*(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:** "Secks General": 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 HOLE'S ZONES:**  
 SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORDED 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.
Mesa Verde	5494'		SS. Buff to light gry., silty in part, fine to medium grained, interbedded with siltstone, shale and coal.

**38. GEOLOGIC MARKERS**

NAME	TOP	
	MEAS. DEPTH	FACE VEET. DEPTH
Ojo Alamo	2952'	Same
Kirtland	3093'	"
Fruitland	3439'	"
Pictured Cliffs	3673'	"
Lewis	3805'	"
Cliff House	5494'	"
Menefee	5568'	"
Point Lookout	5868'	"
T.D.	6050'	"