

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved,  
Budget Bureau No. 42-R355.6.

5. LEASE DESIGNATION AND SERIAL NO.

NM 03189

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Cox Canyon Unit

8. FARM OR LEASE NAME

Cox Canyon Unit

9. WELL NO.

4A

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA

Sec. 21, T32N, R11W

12. COUNTY OR  
PARISH

San Juan

13. STATE

NM

## 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 936' FSL &amp; 1178' FEL

At top prod. interval reported below

As above

At total depth

As above

14. PERMIT NO.

DATE ISSUED

15. DATE STUDDER

9-21-76

16. DATE T.D. REACHED

9-28-76

17. DATE COMPL. (Ready to prod.)

10-11-76

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

6557' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

5799'

21. PLUG, BACK T.D., MD &amp; TVD

5709'

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

All

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

5027' to 5682' Mesa Verde

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Induction and 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"      | 36 & 40         | 225'           | 12 1/4"   | 143 sks.         |               |
| 7"          | 20 & 23         | 3651'          | 8 3/4"    | 200 sks.         |               |
|             |                 |                |           |                  |               |
|             |                 |                |           |                  |               |

29. LINER RECORD

| SIZE   | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
| 4 1/2" | 3402'    | 5795'       | 230           |             | 2 3/8" | 5664'          | None            |

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number) One shot at:

5027', 5096', 5104', 5113', 5121', 5132',  
5138', 5146', 5152', 5158', 5166', 5455',  
5472', 5540', 5548', 5558', 5564', 5574',  
5586', 5592', 5598', 5606', 5614', 5661',  
5682'. Size: 0.32" holes

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                                              |
|---------------------|-------------------------------------------------------------------------------|
| 5027' - 5682'       | 1500 gal 7 1/2% HCl, fraced<br>w/70,000 gal. water and 60,000#<br>20/40 sand. |

33.\*

PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

| DATE OF TEST        | HOURS TESTED    | CHOKE SIZE              | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.              | GAS-OIL RATIO |
|---------------------|-----------------|-------------------------|-------------------------|----------|------------|-------------------------|---------------|
| 10-11-76            | 3               | 48/64                   | →                       |          | CV 4163    |                         |               |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |               |
| 331 PSIG            | 598 PSIG        | →                       |                         | AOF 11   |            |                         |               |

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

D.H. Maroncelli

TITLE Production Engineer

DATE 10-13-76

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

DHM/ks

# 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:

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.                                                                                | GEOLOGIC MARKERS |             |
|------------|-------|--------|------------------------------------------------------------------------------------------------------------|------------------|-------------|
|            |       |        |                                                                                                            | NAME             | MEAS. DEPTH |
| Mesa Verde | 5022' |        | SS. Buff to light gry., silty in part, fine to medium grained, interbedded with siltstone, shale and coal. | Ojo Alamo        | 2164'       |
|            |       |        |                                                                                                            | Kirtland         | 2404'       |
|            |       |        |                                                                                                            | Fruitland        | 3044'       |
|            |       |        |                                                                                                            | Pictured Cliffs  | 3262'       |
|            |       |        |                                                                                                            | Lewis            | 3451'       |
|            |       |        |                                                                                                            | Cliff House      | 5022'       |
|            |       |        |                                                                                                            | Menefee          | 5172'       |
|            |       |        |                                                                                                            | Point Lookout    | 5532'       |
|            |       |        |                                                                                                            | T.D.             | 5799'       |
|            |       |        |                                                                                                            |                  | Same        |