

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

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. RENVR. ☐ Other _____

2. NAME OF OPERATOR
Northwest Pipeline Corporation

3. ADDRESS OF OPERATOR
3539 East 30th Street - Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface NE/SW 1865' FSL & 1595' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED
API #30-039-24531

5. LEASE DESIGNATION AND SERIAL NO.
NM 03404

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Juan 31-6 Unit

8. FARM OR LEASE NAME

San Juan 31-6 Unit

9. WELL NO.

#213

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

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

Sec. 5K, T30N, R6W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

15. DATE SPUDDED 11-3-89 16. DATE T.D. REACHED 12-8-89 17. DATE COMPL. (Ready to prod.) 12-9-89 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6315' KB 19. ELEV. CASINGHEAD 6302' GR

20. TOTAL DEPTH, MD & TVD 3190' KB 21. PLUG, BACK T.D., MD & TVD 3172' KB 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY → 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2995' to 3132' 25. WAS DIRECTIONAL SURVEY MADE yes 26. TYPE ELECTRIC AND OTHER LOGS RUN Full Wave Sonic, Microlog, GR/CCL, DIL Guard/GR/SP, Spectral Density/Neutron GR 27. WAS WELL CORED yes

28. CASING RECORD (Report all strings set in well)

29. LINER RECORD

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	42#	231'	17-1/2"	260 sx	
9-5/8"	40#	2978'	12-1/4"	1000 sx	

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	2756'	3185'			2-7/8"	3151'	

31. PERFORATION RECORD (Interval, size and number)
2995'-3132'
4 spf (.75") total of 400 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD)
AMOUNT & KIND OF MATERIAL USED
MAR 07 1990
OIL CON. DIV.
DIST. 3

33.* PRODUCTION
DATE FIRST PRODUCTION Waiting on pipe-line connection
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing, during completion operations
WELL STATUS (Producing or shut-in) Accepted for Record

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO
FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)
TSTM TSTM →

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented
35. LIST OF ATTACHMENTS
Casing & Cement Report, Deviation,
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Carrie Harmon TITLE Production Assistant DATE 2-23-90

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

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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2220' est	2380' est				
Kirtland	2380' est	2925' est				
Fruitland	2925' est	3190' est				
TD	3190' est					

CASING AND CEMENTING REPORT

Hole Size 17-1/2"

13-3/8", 43#, H-40, ST&C Hoesch ERW casing. Set at 231' KB. Cemented with 260 sx (309 cu.ft.) C1 "B" with 3% CaCl_2 and 1/4# gel flake/sk.

Hole Size 12-1/4"

9-5/8", 40#, K-55, ST&C, USS smls casing. Set at 2978' KB. Cemented w/ 875 sx (2363 cu.ft.) Class "B" 65/35 poz w/ 12% gel and 1/4# cele-flake/sk. Tailed w/ 125 sx (148 cu.ft.) C1 "B" w/ 1/4# cele-flake/sk.

Hole Size 6-1/4"

5-1/2", 23#, P110, LT&C smls casing. Set at 3185'. Not cemented.

Carrie Harmon
Carrie Harmon

2-8-90
Date