

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 _____		5. LEASE DESIGNATION AND SERIAL NO. AP 078998	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Northwest Pipeline Corporation		7. UNIT AGREEMENT NAME San Juan 32-7 Unit	
3. ADDRESS OF OPERATOR 3539 East 30th Street - Farmington, NM 87402		8. FARM OR LEASE NAME San Juan 32-7 Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 795' FSL & 1004' FWL NE/SW At top prod. interval reported below At total depth		9. WELL NO. #227	
14. PERMIT NO. API 30-045-28364		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal	
DATE ISSUED		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 18, T31N, R7W	
15. DATE SPUDDED 11-4-90		12. COUNTY OR PARISH San Juan	
16. DATE T.D. REACHED 11-11-90		13. STATE New Mexico	
17. DATE COMPL. (Ready to prod.) 11-19-90		18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 6554' KB	
19. ELEV. CASINGHEAD 6540' GR		20. TOTAL DEPTH, MD & TVD 3413' KB	
21. PLUG, BACK T.D., MD & TVD 3404' KB		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)* 3128'-3392'		25. WAS DIRECTIONAL SURVEY MADE yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL		27. WAS WELL CORED no	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9-5/8"	36# K-55	513'	12-1/4"
7"	23# K-55	3113'	8-3/4"
CEMENTING RECORD		AMOUNT PULLED	
275 sx (327 cu.ft.)			
435 sx (834 cu.ft.)			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
5-1/2"	2972'	3404'	not cemented
SCREEN (MD)		30. TUBING RECORD	
		SIZE	DEPTH SET (MD)
		2-3/8"	3377'
PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number) 3128'-3133' 3160'-3184' 524 holes total 3194'-3234' 4 spf (.65" holes) 3266'-3302' 3366'-3392'		32. ACID, SHOT, TRAP, PLUG, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED JAN 8 1991 OIL CON. DIV DIST. 3	
33. PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing during completion operations	
WELL STATUS (Producing or shut-in) Shut in			
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.
TSTM	TSTM		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented - waiting on pipeline.		35. LIST OF ATTACHMENTS Casing & Cementing Report, Deviation Report	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		FARMINGTON RESOURCE AREA BY <u>MM</u>	
SIGNED <u>Carrie Harmon</u> Carrie Harmon		TITLE Production Assistant DATE 11-29-90	

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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	2313' est.	2421' est.				
Kirtland	2421' est.	3169' est.				
Fruitland						
Top of coal	3169' est.	3383' est				
Bottom of coal	3383' est.	3413'				
Total Depth	3413'					

Casing and Cementing Report
(San Juan 32-7 #227 FRT)

Hole Size 12-1/4"

9-5/8", 36#, K-55, ST&C, USS smls csg. Set at 513' KB. Cemented with 275 sx (327 cu.ft.) Cl "B" with 3% CaCl_2 and 1/4# cello-flake/sk.

Hole Size 8-3/4"

7", 23#, K-55, LT&C, ST&C, USS smls csg. set at 3113' KB. Cemented with 360 sx (745 cu.ft.) Cl "B" with 65/35 poz with 12% gel and 1/4# cello-flake/sk. Tailed with 75 sx (89 cu.ft.) Cl "B" with 2% CaCl_2 and 1/4# cello-flake/sk.

Carrie Harmon
Carrie Harmon

Date

B

DEVIATION REPORT

COMPANY Northwest Pipeline Corporation ADDRESS 3539 East 30th - Farmington, NM

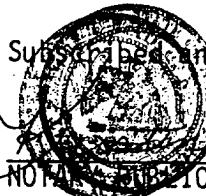
LEASE San Juan 32-7 Unit WELL 227 UNIT LETTER N SEC 18 T 31N R 7W

POOL and FORMATION Basin Fruitland Coal COUNTY San Juan

1/2° - 529'
1/2° - 1048'
3/4° - 1579'
1° - 2076'
1° - 2574'
1/2° - 3140'

Certificate: I, the undersigned, state that I, Carrie Harmon
acting in my capacity as Production Assistant of Northwest Pipeline Corporation,
am authorized by said Company to make this report which was prepared by me or under
my supervision and direction; and that the facts stated herein are true to the best
of my knowledge and belief.

Subscribed and sworn to before me this 29 day of November, 19 90

 OFFICIAL SEAL
KRISTINE E. RUSSELL
NOTARY PUBLIC, NEW MEXICO
My Commission Expires 4-9-92

NOTARY PUBLIC IN AND FOR THE COUNTY OF SAN JUAN, NEW MEXICO

My Commission Expires 4-9-92