

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER		7. UNIT AGREEMENT NAME San Juan 31-6 Unit
2. NAME OF OPERATOR Northwest Pipeline Corporation		8. FARM OR LEASE NAME San Juan 31-6 Unit
3. ADDRESS OF OPERATOR 3539 East 30th Street - Farmington, NM 87401		9. WELL NO. #230
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/NE 1285' FNL & 880' FEL		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal
14. PERMIT NO. API #30-039-24556		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 27A, T31N, R6W
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6320' GR		12. COUNTY OR PARISH Rio Arriba
		13. STATE New Mexico

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER BEHIND	☐	WATER SHUT-OFF	☐
FRAC TURE TEST	☐	FRAC TURE TREATMENT	☐
SHOOT OR ACIDIZE	☐	SHOOTING OR ACIDIZING	☐
REPAIR WELL	☐	(Other) Completion Operations	☒
(Other)	☐	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

12-09-89: MOL & RU. Tested blind rams & BOPs to 2000# - ok. TIH w/ 6-1/4" bit on 3-1/2" drill pipe.

12-10-89: Tested pipe rams & csg to 2000# - ok. Drilled cmt from 2951'. Ran FDC/CNL/GR. Spectral GR/Microlog.

12-11-90: TIH w/ 6-1/4" bit on 3-1/2" drill pipe & cleaned out 5' of fill (TD at 3252').

12-12-89: Blew w/ 2.5 MMCF/D air.

12-13-89: TOH. Ran 9 jts (369') 5-1/2", 15.5#, K-55, LT&C, CF&I, smls w/ Brown left hand release liner hanger. Liner set at 3250' to 2881'. PBTB 3235'. Circulated hole w/ 120 bbls wtr. Cemented w/ 50 sx (73 cu.ft.) C1 "B" w/ .8% CFI. Plug displaced w/ 29.5 bbls wtr. Float held. Set pack off. Reversed out 3-1/2 bbls good cement. Good circulation throughout job. Plug down 2100 hrs 12-13-89. LDDP. Rig down.

2-10-90: MOL & RU. Tested casing to 4000#. RU Western and spotted 250 gal 7-1/2% HCL.

(continued on back)

18. I hereby certify that the foregoing is true and correct

SIGNED Carrie Harmon

TITLE Production Assistant

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____
Chief, Branch
Mineral Resources
Farmington Resource Area

Accepted For Record

MAR 16 1990

*See Instructions on Reverse Side

2-11-90: Ran GR/CCL logs. Perforated 2 spf (.54") from 3038'-3198' (92 holes) and had slight blow after perf.

2-12-90: RU and established a rate of 81 BPM at 2750# during a 25,000 gallon pad of 70 quality foam (base fluid 20# guar gel/1000 gallons water). Fraced well w/ a total of 191,000# sand; 10,000# 40/70 in pad and 181,000# 12/20. AIR=80 EPM, ATP=2500#, MIR=83 BPM, MTP=2800#. ISIP=1850#, 30 min 1400#, 60 min 1230#, 2 hrs 1180#. Opened well to pit through 1/4" choke. Initial FCP=1190#, 4 hrs FCP=1330#, 8 hrs=800# (well started making sand after 7 hrs), 12 hrs FCP=500#, 16 hrs FCP=470#, 19 hrs FCP=400#. Well making a heavy mist, broken gel water, N₂ and some sand.

2-13-90: Blew well at TD w/ air.

2-14-90: Ran radioactive tracer logs from 2920'-3217'. Picked up 7" retrievable EP & TIH. Set BP at 350'. Pressure tested BP to 1000#, held ok. ND frac head 8 NU tbg head. Retrieved BP. TIH w/ 2-7/8" tbg & CO 6' of fill to TD. Blew well at TD for 2 hrs. Ran 102 jts (3195') 2-7/8", 6.4#, J-55, 10rd, NUE Argentina tbg. Landed at 3209'. SN at 3175' KB. ND BOP and NU wellhead. Pumped out plug. Released rig at 2000 hrs 2/14/90.