

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.

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, N.M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1670 FSL & 1100 FEL

At top prod. interval reported below
1670 FSL & 1100 FELAt total depth
1670 FSL & 1100 FEL

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)

11-8-81

11-19-81

1-19-82

18. ELEVATIONS (DE, RESB, RT, GR, ETC.)*

6592' KB

19. ELEV. CASINGHEAD

6580' GR

20. TOTAL DEPTH, MD & TVD

8078'

8078'

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

8059'

22. IF MULTIPLE COMPL.,
HOW MANY*

2

23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

10' - 8078'

NO

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

Dakota 7886' - 8052'

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES FDC/CNL/GR

GR/CC1

27. WAS WELL CORED
YES
NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
** NOTE ** SEE BACK PAGE FOR DETAILS OF CASING RECORD.					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/4"	7880'	6020'

31. PERFORATION RECORD (Interval, size and number)

7886'	7944'	7990'	8020'	8052'
7892'	7974'	7994'	8024'	
7924'	7978'	7998'	8034'	
7928'	7982'	8005'	8040'	
7932'	7986'	8010'	8046'	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7886'-8052'	SWF w/ 120,120 gal slick water and 58,750# 40/60 sand

33.*

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

1-16-82

Flowing

Shut in

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

2-10-82

3 hrs

2" X.750"

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.)

162 psig

Pkr

CALCULATED 24-HOUR RATE

OIL—BBL.

GAS—MCF.

WATER—BBL.

OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

to be sold

TEST WITNESSED BY

Fred S. Hamrick

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

Paul C. Thompson

TITLE Prod & Drlg Manager

DATE 7 Apr 11 1982

for P.H. Wood

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

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INSTRUCTIONS

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, 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 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 office. Instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions (drillers, geologists, sample and core analysis, all types electric, etc.), formations, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments to applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State office instructions.

Each elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. It is 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 tops), bottoms) and names) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, interval to be separately produced, showing the additional data pertinent to such interval.

33. Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. Attach completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

TOP		BOTTOM		DESCRIPTION, CONTENTS, ETC.		NAME		GEOLOGIC MARKERS	
TOP		BOTTOM		DESCRIPTION, CONTENTS, ETC.		NAME		GEOLOGIC MARKERS	
MEAS. DEPTH		TRUE VERT. DEPTH		TOP		MEAS. DEPTH		TRUE VERT. DEPTH	
2252'	est	2359'		**NOTE** CASING RECORD: 10-3/4", 40.5#, 364', 13-3/4", 274 cu.ft CI"B" w/ 1/4# gel Flake/sx & 3% CaCl ₂ 7-5/8" 26.4#, 3766', 9-7/8", 460 cu.ft 65/35 poz w/ 12% gel tailed w/ 89 cu.ft CI "B" w/ 2% CaCl ₂ 5-1/2", 17#, 8078', 6-3/4", 477 cu.ft CI"B" w/ 8% gel, 12-1/2# Fine gils/sx & 0.4% R-11. Tailed w/ 118 cu.ft of CI "B" w/ 1/4# tufplug/sx & 0.4% R-11.					
2359'	est	3180'							
3180'	est	3477'							
3477'	est	3572'							
3572'	est	5360'							
5360'	EL	5710'							
5710'	EL	7734'							
7734'	EL	7798'							
7798'	EL	7883'							
7883'	EL								
8078'									

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(See other instructions on reverse side)

Form approved.
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WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR Northwest Pipeline Corporation							
3. ADDRESS OF OPERATOR P.O. Box 90, Farmington, N.M. 87401							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1670 FSL & 1100 FEL At top prod. interval reported below 1670 FSL & 1100 FEL At total depth 1670 FSL & 1100 FEL							
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED 11-8-81				16. DATE T.D. REACHED 11-19-81		17. DATE COMPL. (Ready to prod.) 1-19-82	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6592' KB				19. ELEV. CASINGHEAD 6580' GR			
20. TOTAL DEPTH, MD & TVD 8078' 8078'				21. PLUG, BACK T.D., MD & TVD 8059'		22. IF MULTIPLE COMPL., HOW MANY* 2	
23. INTERVALS DRILLED BY →				ROTARY TOOLS 0' - 8078'		CABLE TOOLS NO	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Dakota 7886' - 8052'						25. WAS DIRECTIONAL SURVEY MADE YES	
26. TYPE ELECTRIC AND OTHER LOGS RUN IES FDC/CNL/GR GR/CCI						27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
** NOTE ** SEE BACK PAGE FOR DETAILS OF CASING RECORD.							
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
1-1/4"		7880'		6020'			
31. PERFORATION RECORD (Interval, size and number)							
7886' 7944' 7990' 8020' 8052'							
7892' 7974' 7994' 8024'							
7924' 7978' 7998' 8034'							
7928' 7982' 8005' 8040'							
7932' 7986' 8010' 8046'							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
7886'-8052'				SWF w/ 120,120 gal slick water and 58,750# 40/60 sand			
33. PRODUCTION							
DATE FIRST PRODUCTION 1-16-82		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut in	
DATE OF TEST 2-10-82		HOURS TESTED 3 hrs		CHOKE SIZE 2" X.750"		PROD'N. FOR TEST PERIOD →	
FLOW. TUBING PRESS. 162 psig		CASING PRESSURE Pkr		CALCULATED 24-HOUR RATE →		OIL—BBL. -	
						GAS—MCF. CV 365 MCF	
						WATER—BBL. -	
						OIL GRAVITY-API (CORR.) -	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented - Waiting on Pipeline Connection to be sold						TEST WITNESSED BY Fred S. Hamrick	
35. LIST OF ATTACHMENTS							

35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Paul C. Thompson TITLE Prod & Drlg ManagerDATE April 8, 1982

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

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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: "Seals (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 FORMER ZONES:

SHOW ALL INTERVALS ZONES OF PRODUCTIVITY 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.	38. GEOLOGIC MARKERS	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2252' est	2359'	**NOTE** CASING RECORD: 10-3/4", 40.5#, 364', 13-3/4", 274 cu.ft CI "B" w/ 1/4# gel Flake/sx & 3% CaCl ₂ 7-5/8" 26.4#, 3766', 9-7/8", 460 cu.ft 65/35 poz w/ 12% gel tailed w/ 89 cu.ft CI "B" w/ 2% CaCl ₂ 5-1/2", 17#, 8078', 6-3/4", 477 cu.ft CI "B" w/ 8% gel, 12-1/2# Fine gils/sx & 0.4% R-11. Tailed w/ 118 cu.ft of CI "B" w/ 1/4# tufplug/sx & 0.4% R-11.			
Kirtland	2359' est	3180'				6 dbis cmt circ out
Fruitland	3180' est	3477'				
Pictured Cliffs	3477' est	3572'				
Lewis	3572' est	5360'				
Cliff House	5360' EL	5710'				
Point Lookout	5710' EL	7734'				
Greenhorn	7734' EL	7798'				
Graneros	7798' EL	7883'				
Dakota	7883' EL					
Total Depth	8078'					