Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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

2. NAME OF OPERATOR
Northwest Pipeline Corporation

3. ADDRESS OF OPERATOR
501 Airport Drive Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1100' FWL - 1180' FNL

5. LEASE DESIGNATION AND SERIAL NO.
NM 03189

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Cox Canyon

8. FARM OR LEASE NAME
Cox Canyon Unit

9. WELL NO.
15

10. FIELD AND POOL, OR WILDCAT
Blanco Pictured Cliffs Ext.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 21, T32N, R11W NMPM

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6862' GL

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	X	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	X	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(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.) *

6-3-74 Spudded well. Drilled 12 1/4" surface hole to 156' K.B. Ran 3 joints 8 5/8" 24# J-55 casing, 139' set @ 151' K.B. Cemented with 90 sacks class "B" with 1/4# flocele/sack and 3% cc. Circulated cement to surface. WOC 24 hours.

6-10-74 TD-3695'. Ran 131 joints 2 7/8" 6.4# H-40 and J-55 casing (H-40 is on bottom of string). 3682' set @ 3694' K.B. Cemented with 175 sacks of 65/35 Poz-mix with 10% gel and 1/4"cu.ft. of fine gilsouite per cu. ft. Followed with 50 sacks class "B" neat with 2 % cc. WOC 12 hours. Top of cement at 2300'.

6-28-74 PBTD - 3688'. Tested casing to 3200 psi - OK. Perforated 3562 - 74 with 36 shots.

7-1-74 Fraced with 25,000# 10-20 sand and 23,070 gallons of treated water. No ball drops. Flushed with 700 gallons of water.

1974
OIL CON. COM.
DIST. 3

RECEIVED
JUL 23 1974
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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

SIGNED O.B. Whitenburg TITLE Production&Drilling Engineer DATE July 19, 1974
O.B. Whitenburg

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

SIG 7-5-74

Type Test: [x] Initial [ ] Annual [ ] Special			Test Date: 7-12-74	
Company: Northwest Pipeline Corporation		Connection: New Well		
Pool: Blanco		Formation: Pictured Cliffs		Unit: Cox Canyon
Completion Date: 7-1-74	Total Depth: 3695	Plug Back TD: 3688	Elevation: 6862'	Farm or Lease Name: Cox Canyon Unit
Csg. Size: 2 7/8" / Wt.: 6.4# / d: 2.441 / Set At: 3694		Perforations: From 3562 To 3574		Well No.: 15
Tbg. Size: / Wt.: / d: / Set At:		Perforations: From To		Unit: B / Sec.: 21 / Twp.: 32 / Rge.: 11
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Tubingless completion		Packer Set At: -		County: San Juan
Producing Thru: Casing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a: 12 psi	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.635	-	-	-	3/4" choke	-	-

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI		-	-	-	-	-	872	-	72
1.	.750 choke						171	68°	3 hrs.
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365	-	183	.9924	.9721	1.016	2,218
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c _____ P_c^2 _____

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 781,456 / 724,812

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.0660

$\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 2.364

calculated P.W.

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OIL CON. COM.
DIST. 3

Absolute Open Flow 2,364 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks:

G1	1-e-s	$Fc0^2$	R^2	PT^2	$PT^2 + R^2$	PW
2262	.152	151588	23,041	33,489	56,530	238

Well produced dry gas through-out test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bobby Broughton	Bobby Broughton	Robert E. Fuller