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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-116
Effective 1-1-65

I.

Operator
Northwest PIpeline Corporation

Address
P.O. Box 90, Farmington, New Mexico 87401

Reason(s) for filing *(Check proper box)*
New Well [X]
Recompletion [ ]
Change in Ownership [ ]

Change in Transporter of:
Oil [ ] Dry Gas [ ]
Casinghead Gas [ ] Condensate [ ]

Other *(Please explain)*

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
San Juan 32-7 Unit Com	24	Blanco Mesa Verde	~~XXXXXXXXX~~ Fee	

Location
Unit Letter L ; 1480 Feet From The South Line and 960 Feet From The West

Line of Section 21 Township 32N Range 7W , NMPM, San Juan County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [X]	Address *(Give address to which approved copy of this form is to be sent)*
Northwest Pipeline Corporation	3539 East 30th, Farmingotn, NM 87401
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [X]	Address *(Give address to which approved copy of this form is to be sent)*
Northwest Pipeline Corporation	3539 East 30th, Farmington, NM 87401

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					No	

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
11-1-76	11-24-76	5735'	5690'
Elevations *(DF, RKB, RT, GR, etc.,*	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
6332' GR	Mesa Verde	5338'	5640'
Perforations			**Depth Casing Shoe**
5338' to 5666' w/23 shots			5730'

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	9 5/8"	219'	115
8 3/4"	7"	3637'	170
6 1/4"	4 1/2" Liner	3479' to 5730'	220
–	2 3/8"	5640'	–

V. TEST DATA AND REQUEST FOR ALLOWABLE *(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)*

OIL WELL

Date First New Oil Run To Tanks	Date of Test	Producing Method *(Flow, pump, gas lift, etc.)*	
	11-24-76	Flow	
Length of Test	**Tubing Pressure**	**Casing Pressure**	**Choke Size**
Actual Prod. During Test	**Oil-Bbls.**	**Water-Bbls.**	**Gas-MCF**

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
CV 4433 AOF 5072	3 Hrs.		
Testing Method *(pitot, back pr.)*	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**
Back Pressure	891 PSIG	1177 PSIG	48/64

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

D.H. Maroncelli
(Signature)
Production Engineer
(Title)
12-2-76
(Date)

OIL CONSERVATION COMMISSION

APPROVED _____, 19 _____

BY Original Signed by A. R. Kendrick

TITLE SUPERVISOR DIST. NO

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

BIM/ks

NEW MEXICO OIL CONSERVATION COMMISSION

INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 77

Form C122-A
Revised 1-1-66

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Blanco	n= .75	Mesa Verde	San Juan

86935

COMPANY			WELL NAME AND NUMBER		
Northwest Pipeline Corporation			San Juan 32-7 Unit #24		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
L	21	32	7	Northwest Pipeline Corp.	
CASING O.D. - INCHES	CASING I.D - INCHES	SET AT DEPTH - FEET	TUBING O.D - INCHES	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
4.500	4.052	5730	2.375	1.995	5627
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 5338 TO 5666		CASING	TUBING XX	.594	3342
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM March 18 TO March 26			December 24, 1976		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt)	(b) Flowing Tubing Pressure (DWt)	(c) Flowing Meter Pressure (DWt)	(d) Flow Chart Static Reading	(e) Meter Error (Item c - Item d)	(f) Friction Loss (a - c) or (b - c)	(g) Average Meter Pressure (Integr.)
						374
(h) Corrected Meter Pressure (g + e)	**(i) Avg. Wellhead Press. P_t = (h + f)**	**(j) Shut-in Casing Pressure (DWt)**	**(k) Shut-in Tubing Pressure (DWt)**	**(l) P_c = higher value of (j) or (k)**	**(m) Del. Pressure**	**(n) Separator or Dehydrator Pr. (DWt) for critical flow only**
374	374	1189	903	1189	P_d = 80 / 951 %P_c	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
194	1.0000	1.0000	Q = 194 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$	$(F_c\ Q_m)^2\ (1000)$	$R^2 = (1-e^{-s})(F_c\ Q_m)^2(1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.216	3327	719	139876	140595	375

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 194\left[\left(\frac{509320}{1273126}\right)^n = (.4001)^n = .5031\right] = 98 \text{ MCF/D}$$

REMARKS:

Initial test.
1st delivered 2/24/77.

RECEIVED
MAY 17 1977
OIL CON. COM.
DIST. 3

SUMMARY

Item h 374 Psia
P_c 1189 Psia
Q 194 MCF/D
P_w 375 Psia
P_d 951 Psia
D 98 MCF/D

Company Northwest Pipeline Corporation
By Bobby J Braughton
Title Well Test Forman
Witnessed By
Company

Ch