

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 12-19-75				
Company Northwest Pipeline Corp.				Connection New Completion					
Pool Blanco				Formation Mesa Verde				Unit San Juan 32-7	
Completion Date Dec 12, 1975		Total Depth 5825'		Plug Back TD 5782'		Elevation 6366' GR		Farm or Lease Name San Juan 32-7 Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5825'	Perforations: From 5254' To 5726'		Well No. 30			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5717'	Perforations: From To		Unit Sec. Twp. Rge. B 21 32 7			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas Single					Packer Set At none		County San Juan		
Producing Thru tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	II	G _g .590	% CO ₂	% N ₂	% H ₂ S	Prover, 3/4 positive choke		Meter Run	Taps

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
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	
SI							1058		1108		SIP
1.	2	X	.750	186		69°	185		426		
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		198	1.008	.9915	1.012	2476
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/lbbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P_c 1120 P_c² 1254400

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		438	191844	1062556
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1805$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1326$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2805$

Absolute Open Flow	2805	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Well produced light to medium mist of water through out test.

Approved By Commission:	Conducted By: Jack Vescovi	Calculated By: Bobby Broughton	Checked By: <i>BGB</i>
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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

1a. TYPE OF WELL		7. Unit Agreement Name	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/>		San Juan 32-7 Unit	
b. TYPE OF COMPLETION		8. Farm or Lease Name	
NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		San Juan 32-7 Unit	
PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>		9. Well No.	
2. Name of Operator		30	
Northwest Pipeline Corporation		10. Field and Pool, or Wildcat	
3. Address of Operator		Blanco Mesa Verde	
P.O. Box 90 Farmington New Mexico 87401			
4. Location of Well			
UNIT LETTER <u>B</u> LOCATED <u>810</u> FEET FROM THE <u>North</u> LINE AND <u>1560</u> FEET FROM <u>East</u>		12. County	
LINE OF SEC. <u>21</u> TWP. <u>32N</u> RGE. <u>7W</u> NMPM		San Juan	
15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)
11-25-75	12-8-75	12-12-75	6366' GR
19. Elev. Casinghead	6366'		
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By
5825'	5782'		Rotary Tools A11
24. Producing Interval(s), of this completion - Top, Bottom, Name			25. Was Directional Survey Made
5254'-5726' Mesa Verde			No
26. Type Electric and Other Logs Run			27. Was Well Cored
Gamma Ray Induction & Density			No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE
9 5/8"	32.3	225'	13 3/4"
7"	23	3679'	8 3/4"
CEMENTING RECORD		AMOUNT PULLED	
180 sxs		-----	
160 sxs		-----	
29. LINER RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT
4 1/2"	3520'	5825'	215
30. TUBING RECORD			
SIZE	DEPTH SET	PACKER SET	
2 3/8"	5717'	None	
31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
1 shot @ 5254, 5304, 5360, 5436, 5442, 5482, 5488, 5502, 5508, 5514, 5582, 5588, 5594, 5600, 5606, 5612, 5632, 5638, 5650, 5656, 5662, 5668, 5674, 5686, 5700, 5706, 5726. Size = 0.32" holes		DEPTH INTERVAL	
		AMOUNT AND KIND MATERIAL USED	
		5254'-5726'	
		Acidized w/1000 gal. 7 1/2%	
		HCl. Fractured w/80,000 gal. water w/2# friction reducer/	
		1000 gal. and 70,000# 20/40 sd	
33. PRODUCTION			
Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)		Well Status (Prod. or Shut-in)
	Flowing		Shut-in
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period
12-19-75	3	3/4	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.
185 PSIG	426 PSIG		Gas - MCF
			Water - Bbl.
			Oil Gravity - API (Corr.)
			AOF 2805
34. Disposition of Gas (Sold, used for fuel, vented, etc.)			Test Witnessed By
Waiting on Pipeline Connection			
35. List of Attachments			
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.			
SIGNED <u>D. H. Maroncelli</u>		TITLE <u>Production Engineer</u>	
		DATE <u>12-22-75</u>	

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

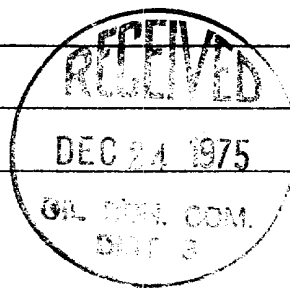
FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
2176'	2288'	112'	Ojo Alamo				
2288'	2795'	507'	Kirtland				
2795'	3200'	405'	Fruitland				
3200'	3474'	274'	Pictured Cliffs				
3474'	5250'	1776'	Lewis				
5250'	5332'	82'	Cliff House				
5332'	5575'	243'	Menefee				
5575'			Point Lookout				
5825'			T.D.				

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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-110
Effective 1-1-65



Operator Northwest Pipeline Corporation		
Address P.O. Box 90 Farmington, New Mexico 87401		
Reason(s) for filing (Check proper box)		Other (Please explain)
New Well <input checked="" type="checkbox"/>	Change In Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	
Change In Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	

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

I. DESCRIPTION OF WELL AND LEASE

Lease Name San Juan 32-7 Unit	Well No. 30	Pool Name, Including Formation Blanco Mesa Verde	Kind of Lease State, Federal, or Fee XXXXXXXXXX	Lease No.
Location Unit Letter <u>B</u> ; <u>810</u> Feet From The <u>North</u> Line and <u>1560</u> Feet From The <u>East</u> Line of Section <u>21</u> Township <u>32N</u> Range <u>7W</u> , NMPM, <u>San Juan</u> County				

I. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Northwest Pipeline Corporation	Address (Give address to which approved copy of this form is to be sent) 3539 East 30th Farmington, N.M. 87401	
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Northwest Pipeline Corporation	Address (Give address to which approved copy of this form is to be sent) 3539 East 30th Farmington, N.M. 87401	
If well produces oil or liquids, give location of tanks.	Unit	Sec.
	Twp.	Rge.
	Is gas actually connected? When	

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

V. 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 11-25-75	Date Compl. Ready to Prod. 12-12-75		Total Depth 5825'		P.B.T.D. 5782'			
Elevations (DF, RKB, RT, GR, etc.) 6366' GR	Name of Producing Formation Mesa Verde		Top Oil/Gas Pay 5254'		Tubing Depth 5717'			
Perforations 5254'-5726' w/27 shots					Depth Casing Shoe 5825			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
13 3/4"	9 5/8"		225'		180			
8 3/4"	7"		3679'		160			
6 1/8"	4 1/2" Liner		Top 3520'-5825'		215			
-----	2 3/8"		5717'		---			

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(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)

Date First New Oil Run To Tanks	Date of Test 12-19-75	Producing Method (Flow, pump, gas lift, etc.) 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 CV 2476 AOF 2805	Length of Test 3 hrs.	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) One Point Back Pressure	Tubing Pressure (Shut-in) 1058 PSIG	Casing Pressure (Shut-in) 1108 PSIG	Choke Size 3/4

VII. 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
D.H. Maroncelli (Signature)
Production Engineer
(Title)
12-22-75
(Date)

OIL CONSERVATION COMMISSION
APPROVED DEC 24 1975, 19____
BY Original Signed by A. R. Kendrick
TITLE SUPERVISOR DIST. #3

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.