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LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form O-104
Supersedes Old O-104 and O-110
Effective 1-1-83

RECEIVED
APR 1 1983
OIL CON. DIV.
DIST. 3

Operator Northwest Pipeline Corporation	
Address P.O. Box 90, Farmington, N.M. 87499	
Reason(s) for filing (Check proper box)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Recompletion <input type="checkbox"/>	
Change in Ownership <input checked="" type="checkbox"/>	

If change of ownership give name and address of previous owner Amoco Prod. Co.

I. DESCRIPTION OF WELL AND LEASE

Lease Name Rosa Unit	Well No. 87	Pool Name, including Formation Wildcat Gallup	Kind of Lease XXXX Federal or XXX	Lease No. SF 078887
Location Unit Letter <u>D</u> ; <u>1100</u> Feet From The <u>North</u> Line and <u>790</u> Feet From The <u>West</u> Line of Section <u>12</u> Township <u>31N</u> Range <u>4W</u> , NMPM, <u>Rio Arriba</u> County				

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Northwest Pipeline Corporation	P.O. Box 90, Farmington, N.M. 87499	
If well produces oil or liquids, give location of tanks.	Unit	Sec. Twp. Rge.
		Is gas actually connected? <u>NO</u> 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 Restv.	Diff. Restv.
		X	X					
Date Spudded 10-29-81	Date Compl. Ready to Prod. 10-19-82	Total Depth 8989'	P.B.T.D. 8741' 8519					
Elevations (DF, RKB, RT, CR, etc.) 7017' KB	Name of Producing Formation Gallup	Top Oil/Gas Pay 7281'	Tubing Depth 8008'					
Perforations 7281' - 8005			Depth Casing Shoe 8986'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
SEE ATTACHMENT FOR TUBING, CASING & CEMENTING RECORD								

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	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL Test Date 12-8-82

Actual Prod. Test-MCF/D AOF 2246 -	Length of Test 3 hrs	Bbls. Condensate/MMCF -	Gravity of Condensate -
Testing Method (pilot, back pr.) Back Pressure	Tubing Pressure (Shut-in) 2670 psig	Casing Pressure (Shut-in) 2670 psig	Choke Size 2" X .075"

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.

Donna J. Bracco B
Donna J. Bracco (Signature)
Production Clerk
(Title)
March 23, 1983
(Date)

OIL CONSERVATION COMMISSION

APPROVED APR 1 - 1983
BY Original Signed by FRANK T. CHAVEZ
SUPERVISOR DISTRICT # 3
TITLE _____

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 Form O-104 must be filed for each pool in multiple

Cementing Record:

- 1) Set 13 3/8" 48# surface casing at 294' and cemented with 625 cu.ft. of class "B" neat cement containing 2% CaCl_2 . Good cement circulated to the surface.
- 2) Set 9 5/8" 32.3# intermediate casing at 4195' and cemented in two stages:
 - a. Used 331 cu.ft. of class "B" neat cement containing 50:50 poz, 6% gel, 2# med. tuf plug/SX and .8% F.L.A.
 - b. Used 2433 cu.ft. of class "B" neat cement containing 50:50 poz, 6% gel, 2# med. tuf plug/SX and .8% F.L.A. This was tailed in with 118 cu.ft. of class "B" cement. Circulated good cement to surface.
- 3) Set 5 1/2" 17# production liner from 4071' to 8986' and cemented in with 1848 cu.ft. of class "B" neat cement with 50:50 poz, 6% gel, 2# med. tuf plug/SX and 1.5% Dowell 112 fluid loss additive with .1% D-28 retarder. Tailed in with 118 cu.ft. class "B" neat cement containing 35% Silica flour and 1.5% Dowell 112 F.L.A. with .75% D-65 surfactant. Good cement reversed out following cement of liner.
- 4) Set 5 1/2" 17# production casing at 4071' and cemented with 1263 cu.ft. of class "B" neat cement containing 50:50 poz, 6% gel, 2# med. tuf plug/SX and .8% F.L.A. Tailed in with 118 cu.ft. of class "B" neat cement containing 2% CaCl_2 . Circulated 35 cu.ft. of good cement to surface.

Fracturing Record:

Frac'd interval 7917'-8805' with 82,160 gallons of 40# crosslinked gel containing 2% KCL water with 1 gallon surfactant per 1,000 gallons frac fluid and 130,000# of 20-40 sand.

Frac'd interval 7494'-7635' with 88,000 gallons of 40# crosslinked gel water containing 2% KCL water, 1 gallon of surfactant per 1,000 gallons of frac fluid and 195,000# of 20-40 sand.

Frac'd interval 7281'-7380' with 56,000 gallons of 40# crosslinked gel water containing 2% KCL water, 1 gallon surfactant per 1,000 gallons frac fluid and 123,000# of 20-40 sand.