

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
OCT 10 1984
OIL CON. DIV.
DIST. 3

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special					Test Date: 9/28/84	
Company: Northwest Pipeline Corporation				Connection: New Completion		
Pool: Basin			Formation: Dakota		Unit: San Juan 30-5	
Completion Date: 8/22/84		Total Depth: 8303'		Plug Back TD: 8290'	Elevation: 6858' KB	
Csg. Size: 4.500	Wt.: 10.5	d: 4.052	Set At: 8303'	Perforations: From 8162' To 8221'		
Thg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 8182'	Perforations: From To		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Gas - Single				Packer Set At: None		
Producing Thru Tubing		Reservoir Temp. °F @		Baro. Press. - P _a : 12.0		
L H		G _g Est.: .590	% CO ₂	% N ₂	% H ₂ S	
				Positive Choke		
FLOW DATA			TUBING DATA		CASING DATA	
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	
1.	2"	X .750"			63°	
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 F _g	
1.	9.604		53	.997	1.302	
2.						
3.						
4.						
5.						
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio Mcf/bbl.	
1.					A.P.I. Gravity of Liquid Hydrocarbons Deg.	
2.					Specific Gravity Separator Gas X X X X X X X X	
3.					Specific Gravity Flowing Fluid X X X X X	
4.					Critical Pressure P.S.I.A. P.S.I.A.	
5.					Critical Temperature R R	
$P_c = 2677$ $P_c^2 = 7166329$ (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0157$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0118$						
NO.	F _t ²	P _w	P _w ²	P _c ² - P _w ²		
1.		333	110889	7055440		
2.						
3.						
4.						
5.						
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 673$						
Absolute Open Flow: 673 Mcfd @ 15.025				Angle of Slope θ: 75		
Remarks: Produced medium mist throughout test. Vented 122 MCF.						
Approved By Commission:		Conducted By: Gip Aulbert		Calculated By: M.J. Turnbaugh		
				Checked By:		

SK1

DISTRICT II
P.O. Drawer BD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator PHILLIPS PETROLEUM COMPANY	Well APN No.
Address 300 W ARRINGTON, SUITE 200, FARMINGTON, NM 87401	
Reason(s) for Filing (Check proper box) ☐ (Other (Please explain))	
New Well ☐	Change in Transporter of: ☐ Oil ☐ Dry Gas ☐
Recompletion ☐	Orinthead Gas ☐ Condensate ☐
Change in Operator ☒	
If change of operator give name and address of previous operator Northwest Pipeline Corp., 3535 E. 30th, Farmington, NM 87401	

II. DESCRIPTION OF WELL AND LEASE

Lease Name San Juan 30-5 Unit	Well No. 99	Pool Name, Including Formation Basin Dakota	Kind of Lease State, Federal or Free	Lease No.
Location Ush Letter A : 940 Feet From The North Line and 1080 Feet From The East Line Section 33 Township 30N Range 5W NMPL Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent) Gary Energy P.O. Box 159, Bloomfield, NM 87413					
Name of Authorized Transporter of Crude Oil ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent) Northwest Pipeline Corp. P.O. Box 58900, SLC, Utah 84158-0900					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Top	Rgn.	Is gas actually connected?	When? Attn: Claire Potter

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
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

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 Tank	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

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

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

L. E. Robinson
Signature
L. E. Robinson Sr. Drlg. & Prod. Engr.
Printed Name
APR 01 1991 (505) 599-3412
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved APR 01 1991

By *[Signature]*
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.