

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
(Revised 7/1/52)

4-N.M. OGC
1-W.R. Johnston
1-R.N. Richey
1-File

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well ☒
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered

3 - NMCC
1 - W.R. Johnston
1 - Cutler
1 - Hollis
1 - Fowler
2 - El Paso

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Blanco Mesquero Formation Mesquero County Rio Arriba
Initial I Annual _____ Special _____ Date of Test 4-13-56
Company Pacific Northwest Pipeline Corp Lease 88-6 Well No. 61-21
Unit M Sec. 21 Twp. 26N Rge. 6W Purchaser _____
Casing 7-5/8" Wt. _____ I.D. _____ Set at 3144 Perf. _____ To _____
Tubing 2-3/8" Wt. _____ I.D. _____ Set at 2466 Perf. _____ To _____
Gas Pay: From 2996 To 2470 L _____ xG .720 -GL _____ Bar. Press. 12 DATA
Producing Thru: Casing _____ Tubing I Type Well Single
Date of Completion: 4-6-56 Packer _____ Reservoir Temp. _____
Single-Bradenhead-G. G. or G.O. Dual

OBSERVED DATA

Tested Through (2996) (Choke) (2470) Shut In 7 Days Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI										
1.					72	1117	72	1117	897	3 hrs.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.3670				.9129	1.040	1042
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1189 P_c 1275.61

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.									2.8432
2.									
3.									
4.									
5.									

Absolute Potential: 8405 MCFPD; 75/ 2.1876

COMPANY PACIFIC NORTHWEST PIPELINE CORPORATION
ADDRESS 1130 West Main Street, Farmington, New Mexico
AGENT and TITLE C. E. Wagner - Gas Well Tester
WITNESSED Douglas C. Adams
COMPANY El Paso Natural Gas Company

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received <u>4</u>		
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