NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	1	esin			Fc	ormation_	<u>De</u>	kota			County	Sen	Juan		
Initial X Annual						Special					Date of '	rest	12-30-	63	
Comp	pany	PUBCO	PER	OLEUM	CORP.	I	ease Br	uingter	Federa	<u>L</u>	Well	l No	15-N		
Unit N Sec. 15 Twp. 30 N Rge. 11 W Purchaser R. Pese Matural Gas Company														cepeny	
Casi	ing	54 K	/t <u>1</u>	5 <u>} </u>	.D	Set	at_ <u>68</u>	80	Perf.	6660		ľo	6840		
Tubi	ing_2_	3/8 W	it. <u>4</u>	• 7 _I	.D	Set	at_ 68	67	Perf	6799		ľo	6807		
Gas Pay: From 6660 To 6858 L xG _GL Bar.Press.															
Prod	Producing Thru: Casing Tubing Tubing Type Well Single														
	Date of Completion: 12-18-63 Packer Reservoir Temp.														
	OBSERVED DATA (Thornhill-Craver) Tested Through (Choke) (Choke) Type Taps Flange Flow Data Tubing Data Casing Data														
$\overline{}$	(Pro	over)	(Ch	oke)	Press.	Diff.	Temp.	Pres	ng Data	т р. Р	asing Da	ta Temp.	D	uration	
No.	(L:	ine) ize	1/0 .	a• \	psig			1	. i	- 1	psig		1	of Flow Hr.	
	5 _#					W		1880			1880				
1. 2. 3.								415			1018		1		
3.			 		 			330			916 803	70	2		
4.								1							
5.															
No.	Coefficient (24-Hour)			I I			LOW CALCULATI Flow Temp. Factor			ity	Compress. Factor		Rate of Flow Q-MCFPD		
1.	12.3650			V "WPf"		100	.9905		.932	<u> </u>	1.033		@ 15.025 psia 3539		
2.							-,,,,		• 7,3***.				3/33		
3.															
4. 5.															
Gas L															
No.	P _w	sia)	Pt	F	P.	(F _c Q) ²	(1	F _c Q) ² L-e ^{-s})	815 ²	5 2	P _c -P _w ²	F	al.	P _w P _c	
1. 2. 3.							1				نايا ماري ي				
2.							+		<u> </u>			 			
4. 5.												 			
Absolute Potential: 4,116 MCFPD; n75 COMPANY PUBCO FATROLEM COSP. ADDRESS Postoffice Box P. Astec, New Mexico															
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	ANY				roleum	Corp.			J					ut]	
							RE	MARKS			10	DIE CE	57. 3	1	

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- PwT Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\mathbf{t}}$.