NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

TI_POINT BACK PRESSURE TEST FOR GAS WELLS	Revised 12-1-55
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			MULTI	-POINT BAC	CK PRES	SURE TES	T FOR GAS	WELLS]	Revised 12-1-99		
Pao	Basin D	Basin Dakota Formation Dakota County San Jua						ıa n				
	tial II											
	pany South											
	Unit G Sec. 7 Twp. 26-N Rge. 8-W Purchaser El Paso Natural Gas Company Casing 5-1/2 Wt. 17.0% I.D. h.892 Set at 6660 Perf. 63h0 To 6560											
	ing 1-1/2 V						4.5					
	Pay: From											
	ducing Thru:	_										
Date	e of Complet	cion: 12	2-24-64	Packer	6200	Sin	gle-Brade Reservo	enhead-G. (G. or G	.O. Dual		
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			ED DATA	_					
Tes	ted Through	PPOVOT	·) (Choke)		ODOLIKY			Туре Тара	5			
		Flo	w Data			Tubing	Data	Casing Da	ata			
	(Prover)	(Choke) Press	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration		
No.	(Line) Size	(Orific	e) psig	h _w	o _F .	p sig	o _F ,	psig	o _{F∙}	of Flow Hr.		
SI		 		 		2084				33 days		
1.	2#	3/4	450		700	450	700			3 hrs.		
2.				 						<u> </u>		
3. 4.		 		 								
5.				 								
- -				FI	OW CAL	CULATION	S					
No.				Pressure Flor		Temp.	Gravity Factor	Factor		Q-MCFPD		
NO.			h _w p _f psia		Ft		F _g F _p					
1.	12.3650			462	.9905		9066	1.062		5448		
2.												
3.												
4. 5.												
Gas 1 Grav:	Liquid Hydro ity of Liqui 16.46				SSURE CA		Speci	fic Gravit fic Gravit 2096		ing Fluid		
U							U——		_			
No.	P _w	$P_{t}^{\omega} \mid F_{c}Q \mid (F_{c}Q)^{\omega}$		$(F_cQ)^2$	2 (F _c Q) ²		P _w 2	$P_c^2 - P_w^2$	Ca	1. Pw Pc		
1.	Pt (psia)	213444	89.674	8041.426	(1-€)		254545 8	1847758 159		Fw Fc		
2.												
3.									 	_		
<u>4.</u> 5.		 			+			 	1			
	alute Pere	-101-	10425		MCFPD:		75					
	olute Potent PANY Sout	hern Uni	on Produc	tion Compa	hy (**	·					
ADDRESS P. O. Box 808 - Farmington, New Mexico Uriginal Signed By												
AGENT and TITLE Verne S. Rockhold, Jr. Engineer VERNE ROCKHOLD WITNESSED Herman McMally												
WIINDODD												
(3) New Mexico Cil Conservation Commission REMARKS (1) Mr. Paul Clote (1) El Paso Natural Gas Co., Proration Dept. Box 1492, El Paso, Texas												
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(1) (1)	El Paso Na Mr. H. L. File	tural Ga	s Co., Pr s, Box 99	oration De O, Farming	ept. Bos	x 1492, 1 sw Mexico	El Paso,	Texas	JA JIO	CON. COM.		

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 I 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. psia
- P_w 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{nv} Supercompressability factor.
- n I Slope of back pressure curve.

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