Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pao]	Basin Da	akota	For	mation_	Dal	kota		_County	San	Juan	
Init	ial XX	Ann	ual		Sp eci	al		_Date of	Test_	11-1	2-68
Comp	any Sout	hern Union	Product	ion Col	ease	Cong	7958	We]	ll No.	6	
Unit	. <u>H</u> s	ec. <u>35</u> T	ир. 29-3	Rge	114	Purc	naser	outhern	Union	Gas Co	ROBEY_
Casi	ing 4-1/2 W	t. 10.50	I.D. 4.	0 52 Set	at65	2 5 Per	rf. 63	90	To	6424	
Tubi	ing 1-1/2 W	t. 2.90	at 62	19 Per	rf. 6231	<u> </u>	To	62119	······································		
Gas	Pay: From_	6330 To	6424	L 623	k xG	.700		.	Bar.Pr	ress	12,0
Prod	lucing Thru:	Casing_		Tub:	ng	XXX	Type We	11 31	ngle G	as	
Date	e of Complet	ion:	11-5-62	_Packer	No	Sin •••	gle-Brade Reservo	nhe sd-G. ir Tem p.	G. or	G.O. I	rual
	_				OBSERVE			-			
Toet	ed Through	(Promon)	(Choke) +		75			Tune Tar	. •		
				M-1-4	Tubing Data Casing Data						
$\overline{}$	(Prover)	Flow I (Choke)	Press.	Diff.	Temp.			Press.	Temp.	7	Duration
No.	(Line) Size	(Orifice) Size	psig	h _w	o _F .	p sig	o _F ,	psig	oF.		of Flow Hr.
SI						1989		1977			ayrı
1. 2.	20	3/4	310		660	31,0	660	1239		-3.3	P8.
3.											
4. 5.	 		+						 	+	
No.	(24-Hour) \(\sqrt{h_{\text{W}}} \)		√p _f r	ssure	Factor F _t		Gravity Factor Fg	Factor F _{pv}		● 15.025 psia	
1. 2.	12,3650		3	52	.9943		.9250	1.001		1	$n_{\underline{}}$
3.											
4. 5.										 	
	Liquid Hydro	carbon Rat: d Hydrocarl		10		lcui at io		fic Gravi		parator	· Gas
°c		d nydrocari	(1-e ⁻⁵)		deg.		Speci	fic Gravi 2001	ity Flo		luid
°c			(1-e ⁻⁸)	(F _c Q) ²		Q) ² e-s)	Speci	fic Gravi	_Pc	bool	luid
No.	P _w		(1-e ⁻⁸)			Q) ² e ^{-s})	Speci P _C	fic Gravi	_P2	bool	'luid
No. 1. 2. 3.	P _w		(1-e ⁻⁸)			Q) ² e ^{-s})	Speci P _c P _w 2	fic Gravi 2001 P _c -P _w ²	_P2	bool	Pw Pc
No. 1. 2. 3. 4.	P _w		(1-e ⁻⁸)			Q) ² e ^{-s})	Speci P _c P _w 2	fic Gravi 2001 P _c -P _w ²	_P2	bool	Pw Pc
No. 2. 3. 4. 5. Absortant ADDR	Pw Pt (psia) Plute Potent PANY Sow RESS	Pt ial: 6 thern Unice P. O. Box Verne	FcQ FcQ FcQ Product 808 - Fa Rockhold	(F _c Q) ²	MCFPD;	n75	P _w 2	fic Gravi 2001 P _c -P _w ²	_P2	bool	Pw Pc
No. 2. 3. 4. 5. Abso COMPADDE AGEN	Pw Pt (psia) Pulute Potent PANY Sow	ial:	Coly Product 808 - Fa Rockhold	(F _c Q) ² ion Commington - Jr. 1	MCFPD;	n75	P _w 2	fic Gravi 2001 P _c -P _w ²	Pc	Cal. Pw	Pw Pc

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. psia
- PwI 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
- P_{f} Meter pressure, psia.
- $h_{\mathbf{W}}^{\perp}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv 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_{+} .