Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Dakota Formation Dakota County San Just												
Init	itial XX			Annu	al		Special			Date of Test		
Company Southern Union Production Co. Lease Angel Peak Well No. 22-B												22-8
Unit G Sec. 13 Twp. 26North Rge. 11West Purchaser Southern Union Gas Company												
Casi	ng <u>l</u>	1/2	Wt1	0.50 I	.Di	052 Se	et at	6507 P	erf. 63	on	To	61/99
Tubi	ng_1	1/2	Wt	2 .90 I	.D1	.610_Se	et at	6),27 Pc	erf. 6	12	To	61,27
Gas Pay: From 6301 To 61.99 L 61.12 xG .700 GL 11.88 Bar. Press. 12.0												
Prod	lucing	Thru	: Ca	sing		T	ıbi.ng	TT.	Type We	11	Sinde	Ges
Date	of C	omple	tion:_	11.	-3-62	Packe	r No	Si ne	ngle-Brade Reservo	nhesd-G. (ir Temp	G. Or C	G.O. Dual
								ED DATA				
Tested Through (Choke) (Majora) Type Taps												
									- Data Contra Data			
	/Pr	over	1 (Ch	oke	Pres	a. Diff.	Temp	Press	Temp	Press	Temo	Duration
No.	(L	ine)	(Uri	iice)	Į.		,	•	1023.	110000	1	of Flow
	S	ize	S	ize 	psi	g h _w	°F.			psig	F.	
SI								1845		1852	 	7 days
1.	2×			3/4"	282		700_	282	700	1091		3 hours
2.		~			 							
3.			- 		 		ļ		+		 	
4. 5. 1			+		 				 	<u> </u>		<u> </u>
/• :						· · · · · · · ·						
			 				FLOW CAL			10		Data of Flori
	Co	effic	ient		1	Pressure	Flow	Temp.	Gravity	Compre		Rate of Flow
No.	(01 !!)		,	/ \			Fac	tor	factor	Facto	r	© 15.025 psia
			ur)	r) 7 nwi		psia	F	t	·Fg	Fpv		• 17.027 psta
1. 2. 3.	12.3650					294 .99		05 9258		1-032		3440
2.									······································			
3.												
4. 5.				ļ								
5.				<u> </u>			<u></u>					
						PF	ESSURE C	ALCUI AT	IONS			
as I	iquid	Hydr	ocarbo	n Rati	٥		cf/bbl.					arator Gas
	-	-	id Hyd	rocarb	ons_	·····	deg.	ı				wing Fluid
c				(1-e ⁻⁸	<u> </u>		•	Pc	1864	_ ^P c	3474.5
	$P_{\mathbf{w}}$		 			1					1	
No.	* W		P	2 F	_c Q	(F _c Q) ²	² (F	$(c_0)^2$	P. 2	$P_c^2 - P_w^2$	Ca	al. P.
	Pt. (psia)		٠	C	, , , ,	(1	-e-s)	•	"]]	Pw Pc
1.+		<u> </u>	+			 			1216.6	2257.9	1	592
1. 2.												
3.											 	
4. 5.						 					 	
5.										L		
Abso	lute	Poten	tial:_		475	2	MCFPD;	n	.75			
COMP	ANY				Sont	hern Uni	on Produ	etion Co	Pany			
ADDR									Mexico			_ + + +
AGENT and TITLE Verne Rockhold, Jr. Engineer												
WITNESSED Verne Rockholo COMPANY Southern Union Production Company												
UUMI	VU.T				_5011	coern Uni	on Fredu REM	ction Co Marks	mbana -		HOV Z	ERW
	. (5)	Mana 1		047 0								
cc: (3) New Mexico Oil Conservation Commission (1) Mr. Paul Clote (1) Mr. L. S. Muennink												
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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 (P_W). MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- 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.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv 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 $P_{\rm t}$.