MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo]	Tapa	cito	Pict	tured	Clien	Dormation	Pictu	red Cliff	8	_County	Rio	Arriba
Init	tial	x		_Annua	al		Spe c	ial	···	_Date of	Test	August 3, 1959
Comp	pany SOU	THERN	UN]	ION GA	S COM	PANY	Lease	icarilla	·	Wel	1 No	l_B
Unit	<u> </u>	_Sec	. <u>25</u>	Tw	o. <u>26</u>	N Rg	е. <u>Ц</u>	Purc	haser <u>50</u> 1	JTHERN UN	ION GAS	COMPANY
Casi	ing 53 *	Wt.	15.	<i>5#</i> I	.D. <u>4</u>	• 950 Se	t at_390	6 Pe	rf. <u>3760</u> -	-3810	To3	832-5842
Tubi	ing 2-3/8	Wt.	40	#I	.D. <u>1</u>	995 Se	t at 373	30 ' Pe	rf. 3810	<u> </u>	.To3	7301
Gas	Pay: Fr	om_37	60	_To 3	810	L	x	G			Bar.Pr	ess. <u>12.0</u>
Prod	ducing Th	ru:	Cas	ing		Tu	bing		Type We	11 Singl	e - Ge	G.O. Dual
Date	e of Comp	letio	n:	July	21. 1	959 Packe	r	Sin	gLe-Brade Reservo	enhead-G. oir Temp	G. or	G.O. Dual
	_							ED DATA				
Test	ted Throu	gh 🤦	ki di		Choke) (Never)				Type Tap	s	
				low Da				Tubing		Casing D	ata	
No.						s. Diff.	Temp.		Temp.		Temp.	Duration of Flow
	Size		Si	ze	psig	g h _w	°F.	psig	°F.	psig	³F∙	Hr.
SI			37	/I. W	1.59		<u> </u>	1028		1028 835	 	7 days
1. 2.				T _a	152		65			035	 	3 hrs.
2 : 3.												
4. 5.					ļ						 	
<u> </u>		L			L				<u> </u>	l	1	
					 -		FLOW CAL	CULATION	S			Pata of Flow
No.		Coefficient			1	Pressure	Factor		Factor Factor		Rate of Flow	
NO.	(24-	Hour)		$\sqrt{h_{\mathbf{w}}}$	$p_{\mathbf{f}}$	psia	F	t	Fg	Fpv	-	@ 15.025 psia
1.	12.3					1,63	0.99		0.9463	1.0		5,666
1. 2. 3. 4.			+				 ,					
201												
3. 1												
	Liquid Hy			ocarb			cf/bbl.deg.		Speci Speci	fic Gravi		arator Gas_wing Fluid_ 1081 717
No.	P _w	a)	Pt	F	_c Q	(F _c Q) ²	(F	(cQ) ²	P _w 2	$P_c^2 - P_w^2$	1	al. $\frac{P_{w}}{P_{c}}$
] •			75	4		<i>z</i> .						
2. 3.		-			 	 	- 					T
3. 4.						Ţ					- 	
5.			- , , , , , , , , , , , , , , , , , , ,									
	olute Por					701/74 3/77	MCFPD;	n 0.8	<u> </u>			
						ignton,	lev Mexic	30				
AGE	NT and TI	TLE	The	omes F	Per	no Eng	ineer					
	NESSED PANY											
OOFD	. 1311 1						REM	ARKS		OCIL IS		
									R	ELLIVE) UG 1 1 195	9	
									. I A	AG T T 123		

OIL CON. COM. DIST. 3

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 ($P_{\rm W}$). 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.
- $h_{\mbox{W}}^{-}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{nv} 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 $P_{\mathbf{t}}$.

No. Coples Rec	OIL CONSERVATION COMMISSION AZTEC DISTRICT OFFICE No. Copies Received							
DIST	DISTRIBUTION							
Operator	NO.							
Senta F	The second secon							
Stars person	· · · · · · · · · · · · · · · · · · ·							
USGS	The same of the sa							
Transporter	and the same of th							
File	1 7	4						