MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Undesign	ated		_Form	ation_	1	Dakota		_County_	San	Juan
Init	ialX	· · · · · · · ·	Annual_			Spec	ial		_Date of	Test_7	/30/60
Comp	any South	west Px	oduction	Сотр	any L	ease	Collier	Federal	Wel	1 No.#	1
Unit	S	ec. <u>18</u>	Twp	27N	Rge	. 12W	Purcl	haser	l Paso Na	tural	Gas Company
Casi	.ng 53. W	t. 15.5	I.D.	4.99	O_Set	at_ 60	40 Per	rf. 5814	<u> </u>	To	914
Tubi	.ng 2 3/8" W	t. 4.7	I.D	1.99	5 _Set	at_ 59	06 Per	rf		To 5	906
	Pay: From_										
Prod	ucing Thru:	Casi	ng		Tub:	i.ng	X	Type We	:11 Si r	ngle -	Ges
Date	of Complet	ion:7	/21/60		Packer		Sing	gle-Brade Reservo	enhead-G. oir Temp	G. or (G.O. Dual
			,				ED DATA				
Test	ed Through	(Prove	<u>د) (Chok</u>	<u>:e) (M</u>	eter)				Type Tap	ıs	•
		Fl	ow Data			1	Tubing	Data	Casing D		<u> </u>
No.	(Prover) (Line)	(Chok		ss.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow
	Size	Siz		ig	h _w	°F•	psig	°F.	psig	[⊃] F•	Hr.
SI							1525		1525	ļ	7 Day
1. 2.		3/4'		28		83	108	83	485	 	3 Hr.
3.										 -	
7.										 	
4. 5.											
							CULATIONS				
No.	Coeffici			Pres				Gravity Factor			Rate of Flow Q-MCFPD
- 1	(24-Hou	r)	$/$ $h_{\mathbf{w}}p_{\mathbf{f}}$	ps:	ia	Fact F ₁	t	F _{g_}	Fpv		@ 15.025 psia
1.	12,3650			120		.9786		.9463	1.0	11	1,389
1. 2. 3.											
3.											
4. 5.				 							
Gas L	iquid Hydro					cf/bbl.	ALCU ATIO	Speci			arator Gas
	ty of Liqui	а нуаго	carbons_ (l-e	S)		deg.			110 Gravi 537	.су гто _ _{Pc} 2 3	wing Fluid
^ਰ c								Pw		P _w 2 1	
No.	P _w Pt (psia)	Pt ²	F _c Q	(:	$(c_cQ)^2$	(F.	$\begin{pmatrix} c^{Q} \end{pmatrix}^2 \\ -e^{-s} \end{pmatrix}$	P _w 2	$P_c^2 - P_w^2$	Ca	al. Pw Pw Pc
1. 2.								144	2218.3		.078
			 	1.							
3.			 	+-	\$ 1 m						
4. 5.			+	+		- 				 	
Abso COMP ADDR		mat Pr	odučtion	Como	MY		n .75	rico		RE	Him
WITN	ESSED			and the second of						Alp	
COMP	ANY		J,						0/	31	
		و روا	,			REM	ARKS			ALG 3 1	1860 1860

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
- Pw 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.
- $h_{\mathbf{W}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft 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 $P_{\mathbf{t}}$.

STATE OF NEW A	EXICO	
OIL CONSERVATION CO	IZZ HMMC	0#
AZT.C DISTRICT	OFFICE	
NUMBER OF COPIES RECEIVED		> -
9 ST 1910	N	
SANTA PE		i
ri.E	7	
S.G.S.		
TELESPORTE TO		
AU. ATMIT OFFICE		
MPAIO?		 -