NEW MEXICO OIL CONSERVATION COMMISSION

......

			MULTI	-POINT E	BACK PRE	SSURE TES	ST FOR GA	S WELLS	F	Revised 12-1-55	
Poo	1 <u>T-V Penn</u>		F	ormatior	nation Penn (Morrow Sand)				County Chaves		
Ini	tial	<u>L</u> A1	nnual		Spec	cial		Date of	Test_	3-60	
Com	pany Robinso	on Bros. (il Produ	cers	Lease_1	ienry-Ell	Liott	We]	LI No	L	
Uni	t <u>C</u>	Sec. 22	Twp. 11	S Rg	ge . <u>31 B</u>	Purc	chaser <u>1</u>	Paso Nati	ural Gas	Co.	
	ing 5 1/2 V										
Tubing 2 3/8 Wt. 4.70 I.D. 1.995 Gas Pay: From 10,856 To 10,910 L								<u>To</u>			
Gas	Pay: From	10.856 To	10.910	L_ 10,	721 2	xG_ 0,792	7 ⁹⁷ ≤ GL ♣	83 8 (2)	Bar.Pres	55. 13.2	
Date	e of Complet	ion:		Packe	Single-Brad er 10,719 Reserv			Vell Single denhead-G. G. or G.O. Dual voir Temp			
	-										
Test	ted Through	. *			1			Turne Tor		27.6 0	
		Flow			: • 1'	Tubing				······	
No.	(Prover)	(Ghoke)	Press	Diff.		Press.	Temp.	Casing I Press.	Temp.		
	Size	(Orifice Size) psig	h _w	°F.	psig	° _F .	psig	^D F•	of Flow Hr.	
SI 1.	3.0*	1.50		15	100	3076 2768	85			72 2145	
2.	3.0"	1.50	700	49	85	2524	90		<u> </u>	2100	
3. 4.	3.0" 3.0"	1.75	690 800	<u>37</u> 57	83 82	2366 2048	92 92		┽───┼	2:15 2:00	
4. 5.	anga di Sangangangka Sangan dan sangan						1		1		
r	Coeffici					CULATION	the second s				
No.				Pressure		Temp. tor	Gravity Factor	fif Factor		Rate of Flow Q-MCFPD	
<u>-</u>	(24-Hou 14.36		h _w p _f			t F _{glu}		<u> </u>		15.025 psia	
1. 2.	14.36		02.5 \$7	703.2	0.96		0.9199	1.055		-1190 14 21.9 2612 2613 6	
3.	20.15			703.2	703.2 0.97		0.9/98	1.066		3/00 2/1/56	
3. 4. 5.	20.15	215,80	15	813.2	0.9795		0.9498	1.07	6	1330 4386.4	
				PRI	ESSURE C	ALCULATI	ONS				
	iquid Hydro.			9976	cf/bbl.		Speci	fic Gravi	ty Separ	ator Gas 0.667	
ravi	ty of Liqui. _ 9.936	d Hydroca	rbons(1_e^-s)	56.9	deg.		Speci			ng Fluid 0.751	
C	/////>		_(1)0 /_		- <u>1-1</u> -		¹ C	JARSY &	_rc <u>724</u>	U+4	
T	P _w	2				.2		2 0			
No.	Pt (psia)	Pt ²	F _c Q	(F _c Q) ²	(F (1	$\left(\frac{c^{Q}}{c^{e-s}}\right)^{2}$	P _w 2	$P_c^2 - P_w^2$	Cal P _w	• P _W P _C	
<u>1.</u> 2.	2781.2	7735-0	14.25.25.27	199.1			7823.0	1720.1	2790	90.5	
3.	2379.2	5660.6	31.00.95			6.9	6742.0	2801.1	2585	83.7 79.6	
4. 5.	2061.2	1248.5	13.02.01	1850.7			5066.5	4476.6	2210	72.5	
	lute Potent:	ial:	9200		MCFPD•	n 1.00	0)	1719.1			
COMP	ANY Robin	non Broth	ers 011)		ñ		3	3427.6			
ADDR AGEN	T and TITLE	llen Buil	ding, Mic	iland, T	ates	t - 011	Reports &	14065	1.004		
WITN COMP	ESSED	Jim Hole	orb								
0.0111	· · · · · ·	Mat 10Del	Tank Cor			1 DKO					

REMARKS

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
- 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
- P_f Meter pressure, psia.
- hw= Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{pv}I Supercompressability factor.
- n _ Slope of back pressure curve.
- Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_+ .