MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

					NE	W MEX	CICO (OIL CONS	ERVATI	ON CO	MMISSI	ON			
															Form C-12
					MULI	[I-PO]	NT B	ACK PRES	SURE T	EST F	OR GAS	WELLS		Rev	ised 12-1-5
Pool	Elene	90-P	ictur	d C11	ffs	Forma	tion	Plotu	red Cl	iffe	·	_County_	San	Juan	
Init	ial	X		Ann	ual			Spec	ial			_Date of	Test_	June	23, 1959
												B ^{ir} Wei			
												Paso Nat			
Casir	ng 4-1/ 2	5 N	it. 9	<u>.5</u>	I.D	4.090	Set	at 253	7	Perf.	24,52		To_	219	2
	_											6			
								 							1.2
\a+ a	- e C	-7 -4		8	19 1	0.50		······································	S	ingle	-Brade	11 Sing	G. or	G.O.	Dual
ate	oi Com	ртег	ion:_	AMILE	19, E	P YC P	аскет	- 3900	36	R	eservo	ir Temp.		<u> </u>	· · · · · · · · · · · · · · · · · · ·
								OBSERV	ED DAT	A					
'e st e	ed Thro	ugh	Teo		Choke) (200	(100)					Type Ta	ps		
	(low I			1			ng Da		Casing	Data	 _	
0.	(Line	e)	(SERVE		·		ł	Temp.		i	•	Press.			Duration of Flow
	Size			ize	psi	g	h _w	° _F .	psi		F.	psig	F.		Hr.
I •	Shut 1		y cay		323		- 5	(due) ^{U()}	1031 34.8		(est)	1031 323	600(est)	3 hrs.
			Ĺ		<u> </u>								1		
		<u> </u>		·				LOW CAL							
0.	Coefi	fici	ent			Press	ure	Flow Fac	-		avity actor	Compre			e of Flow MCFPD
	(24-	-Hou	r)	$\sqrt{h_{\mathbf{w}}}$	pf	psi	a	F		•	Fg	Fpv			5.025 psia
•	12,369			· · · · · · ·		335		1,000		0.5	325	1.04	2	1_	1025
•				. <u>.</u>	\rightarrow									-	
<u>. </u>															
							PRE	SSURE C	ALCUTA'	TIONS					
s Li	quid Hy	/dro	carbon	n Rati	.0			cf/bbl.			Speci	fic Gravi	ity Se	parat	or Gas
	y of Li			ocarb	ons			deg.			Speci	fic Gravi	ity Fl	owing	Fluid
	_			(1-e ^{-s}						Pc	1043	^r c	1,007	244
1	P _w	_		,	<u> </u>		. 2		. 2		 -	2 0	1		
0.	Pt (psi	ia)	P	F	'c ^Q	(F	_c Q) ²	(F	cQ) ² -e ^{-s})]	P _w 2	$P_c^2 - P_w^2$		Cal. P _w	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$
		13								129	:600	958,249			
		\dashv		- 1	,	-	-	_						T	
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. F				I		1 -				I					

Init	tial X		Ann	ual		Spec	ial		_Date of	Test_	June 23, 19	159
Comp	pany Pan Am	erican	Petro	low Co	ep.	Lease San	doval G	es Unit *	⊌ "We	ll No	1	
Unit	, <u>D</u>	Sec	35 Tv	MP. 30H	Re	ge. 9 W	Purc	haser N	Paso Na	turel G	us Company	
Casi	ing 4-1/2	Wt. 9	.5	I.D4.	090 Se	t at 2537	PePe	rf. 2452		_To	2492	
Tubi	ing 1-1/4	Wt. 2	.3	I.D. 1.	38 Se	t at 244	A Pe	rf. 243	6	_То	246	
Gas	Pay: From	24.52	_To_	2492	L 24	52 x(0.69(*) <u>-</u> GL		_Bar.Pr	ess <u>12</u> _	
Prod	lucing Thru	ı: Ca	sing_	X	Tu	lbi.ng	C:-	Type We	11 Sin	cle Gas	C O D1	 -
Date	e of Comple	tion:_	June	13, 195	9 Packe	r Nog	2111	Reservo	ir Temp.	95	G.O. Dual	
						OBSERVI	ED DATA					
Te s t	ed Through	(200	((((((((((((((((((((Choke)	(Notes)				Type Ta	ps		
			Flow I			I	Tubing	Data	Casing	Data	T	
No.	(Line)	(Cho	oke)	Press.	Diff.	Temp.	Press.	Temp.		Į.	Durat	tion Flow
	Size	S	ize	psig	h _w	°F.	psig	°F.	psig	[⊃] F•	Hr	
SI	Shut in		9			7 - 1 - A N	1031	Activ A	1031	7-01		
1. 2. 3.	∑e:	Y	<u> </u>	323		(due) ^{U()}	N.B	60°(est)	323	50° (e	12) 3 hr	T
3.		1										
4. 5.				 							 	
No.	Coeffic (24-Ho		$\sqrt{h_{\mathbf{h}}}$,p _f	essure psia	Fact F _t	emp.	Gravity Factor Fg	Fact Fpv		Rate of FI Q-MCFPD @ 15.025 p	
l. 2.	12,365	·	ļ		335	1,000		0.9325	1.0	2	1025	
3.												
3. 						 _						
	iquid Hydr ty of Liqu		rocarb		PR	cf/bbl. deg.	LCU ATI	Speci	fic Grav	ity Flow	arator Gas wing Fluid 1087,849	
10.	P _w Pt (psia)	Pt	2 F	ÇQ.	(F _c Q) ²	(F ₀	Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$]]	Pw Pc	
2. 3.				. 134				129(400	958,24			
3.	i et il i									<u> </u>		
5.					· · · · · · · · · · · · · · · · · · ·					1		
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COMP						REMA	RKS			/ell	-AWIT	
	4 · •			e magica		(LEPIA	TIMD			MEG	FIATE /	1
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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 I 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.
- 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
- P_t 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.
- Ft 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 $P_{\mathbf{t}}$.

OIL CONSERVAT	ION COMMIS	SION							
AZTEC DISTRICT OFFICE									
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DISTR	BUTION								
And the state of t	NO.								
Operator									
Santa Fa	\								
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State Land Office		-\							
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Transporter		1							
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