NI MEXICO OIL CONSERVATION COMMISS N

	Unit								Piller.	Prom	Forn Revised	n C-122
	M	and the second		MULTI	-POINT	BACK PRES	SSURE TE	ST FOR GAS	s weels;	€ે ,	Revi/Sec	.2 -1- 77
Poo	1 Jalmat		Formation				BACK PRESSURE TEST FOR GAS			Les All	9 / 5 >	
Initial		Annual			Special			Date of Test				
Com	pany Ki Pas	· · · ·	1 _		v	_Lease			Wel	1 No		
	t											
										To	Company	
Фub	ing 5.5	13	· • • • • • • • • • • • • • • • • • • •	n		330	D.	J00	7	343	3	
0	ing 2.0		·•• **	3.	995	ונכ"	''	328	<u> </u>	7331	7	 -
	Pay: From											
Pro	ducing Thru	: Ca	sing		T\	lbing	Sin	Type We ngle-Brade	ell enhead	or (.O. Dual	
Dat	e of Complet	tion:_	3-6-19	50	Packe	Tone		Reserve	oir Temp.			
	PRACED	1	8-70-7	960		OBSERV	ED DATA					
Tes	ted Through	(Pro	wer) (Choke)	(Meter	<u>)</u>			Type Tar	os		
		·	Flow D	ata			[Tubing	g Data	Casing I		<u> </u>	
No.	(Prover)		oke) iice)	Press	Diff	Temp.	Press	1	Press.	Temp.	1	ation Flow
	Size	4 -	ize	psig	h _w	°F.	psig	°F.	psig	[⊃] F•	Hı	
SI l.		 					878		465	ļ	72	
1. 2. 3.	4	1.5		362 304	3,29	66	36k		387		2h	
4. 5.	4	1.50	XO	266	25.00	66	275		367		2	
<u>5.</u>	4	1.5	<i>N</i>	236	33.64	98	245		358	<u> </u>		
	Coeffic	ent			ressure	FLOW CAI	CULATION Temp.	NS Gravity	Compre		Rate of 1	
No.	(24-hour)					Fac	ctor	Factor	Factor		Q-MCFPD	
,	(24-ho)	ır) √ h _w p		p _f	psia	F	t Fg		Fpv		@ 15.025 psia	
1. 2. 3.	13.99 13.99		73.91			-993		-9578	1.437		614.8	
3° 4.	13.37		83.04			.7%		.9578 .9578	1,000		1.114	
4. 5.	13.99		91.5	6		.978		.9578	1.081		1,815	
					PF	RESSURE	CALCULAT	IONS				
	Liquid Hydro					cf/bbl.			fic Gravi			
	ity of Liqui	id Hyd		ons 1e -5)		deg.	•	Speci Pa	lfic Gravi	.ty Flov P2 Pc	ring Fluid	1054
c	Nessured		·				-	C	478.2		28.7	
	$P_{\mathbf{W}}$		2 7	_	(n o)2	, ,	2012	Б.О	$P_c^2 - P_w^2$	C	, n	
No.	Pt (psia)	1	$\frac{2}{t}$ F	_c Q	$(F_cQ)^2$		$\left(\frac{1}{1-\epsilon^{-s}}\right)^2$	P_w^2	Pc-Pw	I Ca	P. P.	¥.
$\frac{1}{2}$	130.2							185.1	13.5		,899A	
3.	400.2				LANER ED.			150.2	84,2		.8365)
<u>4.</u> 5.	365.2							133.4	95.3		.795	
	olute Potent	tial:				MCFPD						
COM	PANY		eral C					9				
ADD! ∆Œ₽¹	RESS				en Heart berik	,						
WIT!	NESSED	W1 6.	P_{i}	Wa	soft	I.	T. Wrigh	it - Petre	Louis Engl	3007		
1:13M	PANY				, ,							

REMARKS

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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.
- F_{σ} Gravity correction factor.
- Et Flowing temperature correction factor.
- F_{nv} Supercompressability factor.
- n I 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_{t} .