NEW MEXICO OIL CONSERVATION COMMISSION

								ON COMMISS	ION	112 M.	week Form C-	
					1.05.00	3		HOBBS OF	FICE OCC	LUSER	Form C-	
	33		¥	, MULT	I-POINT	BACK ³ PRI	essure t 19	EST FOR GAR	S WELLS	18	Revised 12-1	
								Rivers			8-1-56	
								rchaser_P				
								Perf. 332				
								Perf.	_			
								699 -GL 2			ess. 13.2	
	of Compl	ation:	1-11	-44		360	S	Type Weingle-Brade Reserve	enhead-G.	G. or G	.O. Dual	
	or combr	ectou:			Pack	er	*	neservo	orr lemb.	7,7"		
						OBSER	VED DATA	A				
te	d Throug	h (F	7.03.)	(05000	(Meter)			Type Tar	s Pipe		
	7	\	Flow					ng Data	Casing I			
	(Prover (Line)		noke) Lfice)		s. Diff	. Temp.	Pres	Temp.	Press.	Temp.	Duration of Flo	
	Size		Size	psi	g h _w	°F.	psi@	g °F.	psig	°F∙	Hr.	
									863.2		72 hrs 31	
E	AH AH		.00	475.	15.8 2 23.2	90 69			771.0		23.5 hrs	
┝	}		.00	509.	3 36.5	76	+	-	709.0		24 hrs	
	4.		.00	481.		71			611.5		24 hrs	
<u></u>						<u> </u>			<u> </u>	<u> </u>		
_	Coeffi	cient.	1		ressure		LCULATIO	ONS Gravity	Compre	.ee	Rate of Flow	
	000111	CICILO			_ liessure		ctor	Factor	Factor		Q-MCFPD	
	(24-H	our)			psia		$F_{\mathbf{t}}$	Fg	Fpv		@ 15.025 psi	
_	29.9			7.86	488.6	0.97		0.9359	1.04		2502	
	29.9	2		7.31	496.4	0.99		0.9359	1.05		3132	
	29.97 29.97			9.10	522.5 495.0	0.99		0.9359	1.06	-	4064 4387	
		-										
					P	RESSURE	CALCU A1	TIONS				
	quid Hyd					_cf/bbl					rator Gas .6	
_	y of Liq	uid Hyd	rocar	bons (1-e ^{-s})	73.3	deg	•	Speci	.fic Gravi		ing Fluid 6	
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j	P _w			 								
		_ F	2 t	F_c^Q	(F _c Q)	2 ($F_cQ)^2$	P_{w}^{2}	$P_c^2 - P_w^2$	Ca		
	Pt (psia)		_			⊤–ε _)			786	w Pc	
	784.2	615 521		1.436	20.12	2.	98 73	618.0 526.3	150.1 241.8	785		
	722.2 661.1	137		7.257	31.95 53.10	* *	36	443.0	33:1	667		
	624.7	390		7.866	61.8	9.	16	399.5	368.6	632		
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REMARKS

WITNESSED

COMPANY

Permian Basia Pipeline Company

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.
- FgI Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} 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_{+} .