

NEW MEXICO OIL CONSERVATION COMMISSION

MAIN CITION AGES OFFICE OCC

Form C-122

Revised 12-1-55

ini	tial		Annual_	X		Spec	cial		Date of	Test	8-1-56	
	oany Drilli											
	: <u>I</u>											
asi	ing 5.5"	Wt. 15.	1.D.	4.95	% Se	t at 39	10 Pe	rf335	8	To	644	
'ubj	ing 2.375"	Wt. 4.	7# I.D.	1.99)5" Se	t at 378	O Pe	rf.		To		
											ess. 13.2	
- •	lucing Thru	. Oac	2		1 u	nrug-	Sin	Type w gle-Brad	enhead-G.	G. or (G.O. Dual	
ate	e of Comple	tion:_	5-20-54		Packe	r <u>3760</u>		Reserv	oir Temp.	34.6		
						OBSERV	ED DATA					
oet	ed Through	/Ministerior		\	/se \					50.4		
	ed Through				Meter				Type Tap	s PIP	<u> </u>	
_	(D)	F	low Data				Tubing		Casing I		<u> </u>	
ا. ه	(Prover) (Line)	(Cho	ke) Pro	ess.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duratio	
	Size			sig	h _w	°F.	psig	°F.	psig) Tr	of Flo	
r					W		P0-8		920.0	- F •	<u> 1 </u>	
:+	4*	2.00	5 47	5.3	8.3	86			829.7	 	71.75 hrs 31 23.75 hrs	
.	4*	2.00		2.2	13.2	72			786.5	 	24 hrs	
	4.0	2.00		7.3	71.0	62			727.7	 	24 hrs	
	4"	2.00		3.9	32.1	65			653.7	 	24 hrs	
.												
					1	FLOW CAL	CULATIONS	3				
	Coeffic	ient		Pre	ssure		Temp.	Gravity	Compre	ss.	Rate of Flow	
٥.	(2) 11		/		.	Fact	or Factor		Factor		Q-MCFPD	
	(24 - Ho	ur)	$V^{h_{\mathbf{w}}p_{\mathbf{f}}}$	psia		F	t F _g		F _p v		@ 15.025 psia	
Ŀ	29.92				8.5	0.9759		3.9393	1.049		1832	
	29.92				495.4 0.988				1.05		2371	
	29.92		102.73	灭	502.5 0.998				1.060		3055	
	29.92	29.92		125.04		0.9952		1.9393	1.057		3697	
<u> </u>				<u> </u>		 -				\bot		
					PRI	ESSURE CA	ALCU ATIO	ns				
s L	iquid Hydro	carbon	Ratio	L8.3	68	cf/bbl.		Speci	ific Consti	tr Cono	rator Gas.68	
vi	ty of Liqui	id Hydro	ocarbons	70	0.0	deg.					ing Fluid .69	
	1.793	•	(1-e ⁼		.149			p (933.2	P _C 1	n.e	
			·					- C——		c <u>_</u>		
T	$P_{\mathbf{w}}$		- 	-					<u> </u>			
· •		P _t ²	$F_{c}Q$		$(F_cQ)^2$	(F.	Q^2	$P_{w}2$	$P_c^2 - P_w^2$	Ca	1. P.	
1	Pt (psia)	1		1	. 0 -7	(1-	e-s)	W.	- C . W		$\frac{P_{W}}{P_{C}}$	
土	842.9	710.5		\dashv	10.79	1.6.		12.1	158.7	843.9		
	779.7	639.5	4.251		18.07	2.6		42.2	228,6	601.4		
	740.9	548.9	5.478		30.01	4.4		53.4	317.4	743.9		
	666.9	444.8	6.629		43.94	6.5		51.4	419.4			
\pm	000.7	444.0	0.027		7/1/7		<u>-</u>	72.3	44704	671.9	.72	

Division Production Superintendent

AGENT and TITLE WITNESSED R. L. West

COMPANY

Permian Basin 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.
- Pc= 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
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n _ Slope of back pressure curve.
- Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.