NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

ool B	inebry		F	ormation_	Bline	pry		_County_	Lea		
itial		Annu	ial	X	Spec	ial		Date of	Test An	3-8, 1 9	<u>957</u>
mpany G	11 011 C	orp.		I	Lease	Vivian		Wel	ll No	5	
it D	Sec.	30 Tw	p. 2	Rge	38E	Purc	haser	Paso No	atural (as Co.	
							-				
								3971			
oducing '	Thru:	Casing_		Tub	oing	X Sin	Type We gle-Brade	ell Sing enhead-G.	G. or G	.O. Dual	
ce of Co	mpletion	: 8-14-	-48	Packer	5375		Reservo	oir Temp.			
					OBSERV	ED DATA					
sted Thro	ough 🚝	POVER) (Official)	(Meter)				Туре Тар	os_ n	eg.ca.	
		Flow D	ata			Tubing	Data	Casing D	ata		
(D)		XXXXX)	Press	. Diff.	Temp.	Press.	Temp.		Temp.	Dura	
(Lin	ne) (01 4e	rifice) Size	psig	h _w	°F.	psig	o _F .	psig	o _F .	of Hr	
				 	14	21/1580	1540			2h/48/7	2
h		1.50			90	1460	<u> </u>			24	
<u>h</u>		1.50	733		90 91	1290			-	24 24	
l l		1.50	703	79,21	71	950	 	 	 	24	
<u> </u>			+	F	LOW CAL	CULATION	s				
Coefficient (24-Hour)			Pressure			Flow Temp. Gravit		Factor Q-MCFPD			
		$\sqrt{h_{\mathbf{w}}}$	h _w p _f psia		F+		F~	Fny		@ 15.025 psi	
13.9		91.	45		.972	3	.9258	1.0	79	1213	
13.9	13.99		49		•9723		.9258	1.075		<u> 1996 </u>	
13.9	13.99		203.75 138.15		.971 .970	}	.9258 .9258	1.075		2756 3210	
13.9 13.9 13.9 13.9	Z	2,500					.7.50		/16		
Liquid Hity of I	Hydrocart Liquid Hy •936	oon Rati	o_ 95, ons_ l-e ^{-s})	885	cf/bbl.	ALCU ATI	Speci Speci	fic Gravi fic Gravi .634.2	ty Flow	rator Gas ing Fluid 670.6	-7
P _w	sia)	$P_{\mathbf{t}}^2$ \mathbf{F}	_c Q	$(F_cQ)^2$	(F ₀	Q) ² =e-s)	P _w 2	P _c -P _w ²	Ca P		
1473	.2 21		-35	152.52	3	6.5	2206.8	463.8	2485.	5 -91	
1303	.Z 10	90.1 19 90.1 27	-03	729.66	17		1792.3 1429.6	878.3 1241.0	1338.	6 .73	
1111	46	27.8 31	.89	1016.97		2.1	1170.9	1499.7	1082.		
1118		27.8 TT	59	1016.97	IJ:	2.1	1170.9	1499.7	1082.	1 .66)

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.

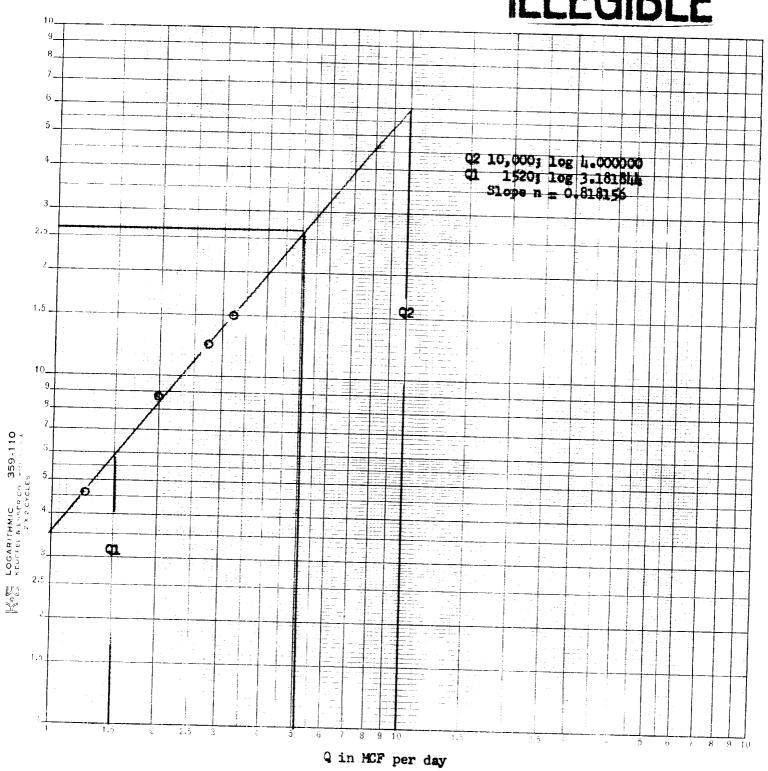
NOMENCLATURE

- Q I Actual rate of flow at end of flow period at W. H. working pressure (P_W) . MCF/da. @ 15.025 psia and 600 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg 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_{+} .

Gulf Oil Corp.
Vivian No. 5
D=30-22S-38E Lea Co.
Blandry Pool
Aug. 3-8, 1957
A. P. = 5100 MCF

ILLEGIBLE



Clarebuy :

: 1

.