NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122 vised 12-1-55

			MUL	ri-point H	BACK PRES	SSURE TES	T FOR GA	S WELLS	Ì	Revised 12-1-77	
Pool	Blin	ebry Gas		_Formation	n B J	incbry		County			
Init	nitial Annual				Spec		Date of Test_10-11 to 18-63				
Compa	anyShe	11 011 0	ompany		Lease	Long		Wel	1 No	5	
Unit		Sec. 11	Twp2		ge 37 -	E Purc	haser_3	L Paro Nat	ural Ga	в Сопрану	
Casir	ng 5 1/2	Wt. 15.	5 I.D. 4	. 976 S∈	et at 6()99 Pe	rf. 54	405	To 5590		
								909			
								3881			
nst a	of Comple	tion:		Pagleo	n F/0/	Sin	gle-Brade	ell <u>G.</u> enhead-G.	G. or G	.O. Dual	
Jave	OI COMPIE	.01011:	<u> 8-9-94</u>	Facke			neservo	oir Temp			
						ED DATA					
reste 	ed Through			(Meter)				Type Tap	s	186	
	/= \		ow Data	7 7:00		Tubing		Casing D		2	
No.	(Line)	(Orifi	ce) l	İ	1		İ		Temp.	Duration of Flow	
	Size	Siz	e psi	g h _w	°F•	ps i g	o _F .	psig	[⊃] F•	Hr.	
SI								1583		72	
L.	_ 4	1.50				<u> </u>	<u> </u>	1315		24	
2. □		1.50						1282		24	
+•	4	1.50				 		1214 1152	 	24 24	
5.											
			,		FT.OW CAT	CULATION	5				
T	Coefficient			Pressure		Flow Temp.		Compre	ss. I	Rate of Flow	
۱o.	(0)				Fac		Factor	Facto	r	Q-MCFPD	
	(24-Hour) -/		h _w p _f	psia	F	t	F _g	Fpv		@ 15.025 psia	
	13.99		90.82	571.2	.9924		.9339	1.066		1,255	
2.	13.99		118.34	560.2	.9924		.9 339	1.062		1,628	
3.	13.99		155.62	573.2	.9924		.9339	1.066		2,150	
5.	13.99		213.85	604.2	.9962		9339	1.072		2,984	
<u> </u>				PR	ESSURE C	ALCU ATI	ons		<u> L .</u>		
s Li	quid Hydr	ocarbon I	Ratio9	0.967	cf/bbl.					rator Gas_688_	
eavity of Liquid Hydrocarbons 52.3								cific Gravity Flowing Fluid _7690			
	1.758		(1-e ⁻⁵)3	134		Pc	1596.2	_Pc	2547.8	
· 	RX		T	1	- 1						
lo.		Pt ²	F _c Q	$(F_cQ)^2$	(F	$(cQ)^2$	P_w^2	$P_c^2 - P_w^2$	Cal	P _W	
	Pt (psia)				(_	. - e-5) [700 (P		
:	1328.2 1295.2	1764.1	2.206	4.866 8.191	1.9	39	1765.2 1679.4	782.6 868.4	1328.		
	1227.2	1506.0	3.780	14.288	3.3		1509.3	1038.5	1228		
	1165.2	1357.7	3.246	27.520	6.4		1364.1	1183.7	·		
•		<u> </u>		<u> </u>							
bsol COMPA	ute Poten NY		6,300		MCFPD;	n	1,000				
DDRE			Oil Comp	Rossell	N 11-						
	and TITL			Gas Tost		-E1CO					
II'I'NE			Mirray	ALLES ALLES A							
OMPA				1 Ges Com	peny						
					REM	ARKS					

Slope greater than 1.000, a slope of 1.000 drawn through highest rate of flow.

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 \equiv 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.
- 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_t .