NEW MEXICO OIL CONSERVATION COMMISSION

•

						HOE	BS OFFIC	E OCC		Form C-12
			MUI	LTI-POINT	BACK PRE	SSURE TE	ST FOR GA	S WELLS	F	levised 12-1-5
Pool	Rumon	t		Formatio	, Yates	1957 FE	3 11 AM	10:07 County		
	ial									
Comp	any Amera	da Petr	oleum Co:	rporation	_Lease	State	WBHGH	Wel	1 No	1
Jnit	<u> </u>	Sec3	Twp	20 _R	ge. <u></u> 36	Pure	chaser_E	1 Paso Nat	ural Ga	s Company
Casi	.ng_ 7" V	vt. 23.0	#I.D	6.366" s	et at 🕌	300 _Pe	erf. 31	50	То	3600
lubi	ng 2-3/8 " y	vt. 4.	7#_1.D	1.995 s	et at 3	6 36 Pe	erf. 36	32	To	3 636
	Parte From	31.50	To 360	0 т 3	632 .	- 0.68	2	2.701		. 12.2
mod	ucing Thru:	Caci		 m	ubing	T			d'an	
rou	uctug thru:			I		Sir		enhead-G.	G. or G.	.O. Dual
ate	of Complet	ion:)-2 3-34	Pack	er_3131		Reserve	oir Temp	91.	
					OBSERV	TED DATA				
'est	ed Through	(Deloco	nek) (State	🛋) (Meter)			Туре Тар	s FLANG	5
					۲. 			•		
	(Prover)		ow Data		Temp.		z Data Temp.	Casing D Press.	ata Temp.	Duration
0.	(Line)	(Orifi	ce)							of Flow
	Size	Siz	e ps	ig h _w	°F.		°F.	psig	°F.	Hr.
I	<u> </u>	0.7	50* 24	9 26.0	74	686			 	<u> </u>
•	4"	0.7			77	546	<u> </u>		<u> </u>	24
:†	4"	0.7			1	486	<u> </u>	<u> </u>	tA	24
	4*	0.7	X)* 32	5 75.7	82	408	1		t/t	24
					Γ	1			I	
					FLOW CAL		IS			
Τ	Coeffici	ent		Pressure		Temp.	Gravity	Compre		late of Flow
••			/ <u>.</u>			tor	Factor	Facto		Q-MCFPD
	(24-Hou	ר (י	/ h _w p _f	psia		t	Fg	Fpv	G	15.025 psia
•	3.435		82.57	262.2	0,98		0.9393	1.02		269.7
•	3.435		116.71	338.2	0.98		0.9393	1.03		383.1
•	3.435 3.435		132.13	310.2 338.2	0.98		0.9393	1.03		430.5
:+	<u> </u>		100.00	220.2	0.97	2	0.9393	1.03	3	522.3
								- <u></u> -		
				PI	RESSURE C	ALCULATI	ONS			
s L:	iquid Hydro	carbon	Ratio	Dry	cf/bbl.		Speci	fic Gravit	ty Separ	ator Gas 0.6
	ty of Liqui	d Hydro	carbons_		deg.			fic Gravit	ty_Flowi	ng Fluid
	9.936		(1-e ⁼	s) 0.1	56	-	Pc	699.2	_P ²	88.9
Т	Pw		T	1					1	
		P_t^2	F _c Q	$(F_cQ)^2$	² (F	$\left[c^{Q} \right]^{2} = e^{-s}$	P _w 2	$P_c^2 - P_w^2$	Cal	. Pw
	Pt (psia)		, in the second		(1	-e ^{-s})	FT		P_w	• P _W P _C
	639.2	408.6	2.68	7.1		.12	409.7	79.2	640.1	91.55
	559.2	312.7	3.81	14.5			315.0	173.9	561.2	
	499.2 421.2	249.2	4.28	18.3		2.86	252.1	236.8	502.1	
•		<u>+[(+</u>	- 2047	26.9	╘╌┥╴╌┦		181.6	307.3	426.1	60.9
	l		+ /			L		l	<u> </u>	
	lute Potent		680		MCFPD;	n	.5333			
	ANYA	2001 CO.	LAPLOTOD	E Corpora	101		\rightarrow +		· <u> </u>	·
	C and TITLE	- U	<u>A.</u>	Sbatt						<u></u>
	ESSED									
OMP/	ANY EP	NG								

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
- 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

P_f Meter pressure, psia.

hw= Differential meter pressure, inches water.

FgI Gravity correction factor.	¢.	*	*	*								
	4	8	*	ę								
'Ft Flowing temperature correction factor.	٤	*	•	٦								
	*	a	t	٨								
F _{pv} - Supercompressability factor.												

n [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_+ .

3