NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Undesignated					Formation Dakota						County San Juan				
Init	ial X		Anı	nual_	·		S	pecia	1		Da	ate of	Test	8/1	2/60
Compa	any So	rthwes	t Pro	ductio	n Co	•	Lease		Hollow	ay Fede	rel	We	ell No	3	<u> </u>
Unit	<u> </u>	_Sec	6	[wp	27N	Rg	e. <u> </u>	1W	Purcl	naser_	E1	Paso	Natur	al Gas	Company
Casin	ng 5}"	Wt1	5.5	_I.D	4.99	9 _Se ¹	t at_	6535	Per	rf	6352		_To	6456	
Tubir	ng 2 3/8 (≫ t	4.70	_I.D	1.99	5 Se [†]	t at_	6426	Per	cf			_To	6420	
Gas I	Pay: From	n <u>635</u>	2 _To	6456		L6	420	xG_	0.67		4301	.4	_Bar.	Press.	12.0
Produ	icing Thru	1: C	asing_			Tul	oing_	X	04		Well	S .	lngle	- Gas	Dunl
Date	of Comple	etion:	8/	3/60		_Packer	r	•	Sing	gle-Bra _Reser	.denne voir	Temp.	· G. 0	r G.U.	Duai
							OBSI	ERVED	DATA						
Teste	ed Through	n (III		(Chok	<u>e) (</u> 1	MATORIES)					Т	ype Ta	ps		
				Data					Tubing				Data		
No.	(Prover) (Line)	(Or	ifice)	ł	Į									Duration of Flow
	Size	-	Size	ps	ig	h _w	o _F		psig	F.		sig		•	Hr.
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2.			V 					士	349			,,,,			
3.													4		
4. 5.	 	 -									_		+		
<u> </u>		L													
					r_—				LATIONS					15.1	- 0 73
No.	Coeffic	Coefficient			Pressure Flow T						y Compress. r Factor				
	(24 – Ho	ur)	_/ I	nw ^p f	p:	sia		Ft	-	Fg	_		7		5.025 psia
i. [12-3650		+'							-9463					3.702.4
2.															
3 -															
4.			 												
as Li	lquid Hydr y of Liqu					PRI	ESSURI cf/bl	ol.	CUTATIO	Spe	cific	c Grav	rity Se	eparat lowing	or Gas
C	-			(1-e=	s)					P _{C.} _	2034		P2_	413	3.1
										Pw	713	}	P _w 2	500	B.3
No.	P _w]	Pt F		Q (F _c Q		2 (F ₀) ²	P _w 2		$P_c^2 - P_w^2$		Cal.	P _W P _C
1.	· C (bera)	'						,		508.3		3624.	8	W	.350
2.					T		7				1				
3.											-				
5.		+			+-		-+						+-		
		thmes	Proc	uction				PD; n	0.7						
AGENT	and TITI	E							Foress				A.		\$ 7 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
COMPA							I	REMAR	KS				OIL	30% v	"4 1 4 1

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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw- 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_{nv} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\mathbf{t}}$.

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