MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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Pool R	LEIN D	LEOTA			Formation	nDAID	TA		County	BAN .	JUAN
[nitial_	X		Annı	ual	lSpecial				Date of	Test_	11-30-66
ompany_		157 <u>7</u> 2	OBUCTI	ON CO	RP.	_Lease	BLANCO 1	19-13	Wel	l No.	1-7
nit		Sec	7 Tw	⁄р 2	R.	ge. 13W	Purc	haser_	L PASO NAT	runt g	LS CO.
asing_	<u> </u>	Vt. <u>9.5</u>	611.6 I	.D. 4	.090 .000 _{S∈}	et at_	131 Pe	erf.	087	То	6187
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							Sin	ola_Brade	anhead C	C 039	C O Dual
	, compage		11-1	5-60	r acke			neserve	orr lemb.		G-O- Duai
netod Th		(D		(1) 1) (Mar))		ED DATA		_		
sted Ir	rougn) (Mateur)				Type Tap	s	
(Pr	over)	Flow Dat			ress. Diff. T		Tubing Press.	Data Temp.	Casing D	ata Temp.	Duratio
) (I	ine) ize	(Garaic	iner)			o _F .	i			1	of Flo
 		3.		psi	g h _w	·F.	psig 1990	· F.	psig 2064	°F∙	
				<u> </u>			AUGU		2004		81
9'		3/	4	 			264	84	643		3 hrs
									<u> </u>	<u> </u>	
	effici	ent		F	ressure		CULATION Temp.	S Gravity	Compre	ss.	Rate of Flow
• ((24-Hour) -		7 h 7	$\sqrt{h_{\mathbf{W}}p_{\mathbf{f}}}$ p		Fac F	tor	Factor	Facto	r	Q-MCFPD
 		- /	V 'W	71	psia	r.	t	Fg	Fpv		@ 15.025 psia
12.	265				276	0.977	22 0	. 9006			
					2.0	<u> </u>		, 5000	1.64		3,200
Liquid vity of	Liquid	d Hydr	ocarbo			cf/bbl. deg.	ALCU ATI	Speci Speci		y Flo	arator Gas_wing Fluid
P _w Pt (1	osia)	Pt	Fo	,Q	$(F_cQ)^2$	(F ₀	Q) ² -e-s)	P _w 2	P _c ² -P _w ²		Pw Pc
61	5							429.025	3680,761		1,1106
SOLUTE MANY		NORT	WRST.	PRODUC BLDG	TION COR ALMIQUE F. Well T	DOME, N.	n75/	1.6618			
MPANY						REMA	RKS				
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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 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
- Pr Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}$ Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.

DRILLING DEPARTMENT

					CON	MPANY _	AUG T	ODUCTION CORP.		
					LEA	ASE E	ANCO	29-12	_ WELL NO.	1-7
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					DAI	LE OF .	IESI		<i></i>	
SHUT-IN PRESS	SURE (PSIC	G): TUBING	G 1990	CASING	2064	9	5.I.	PERIOD _	7	DAY
SIZE BLOW NI	PLE 2-3/8	" TEG								
	***************************************			·						
FLOW THROUGH	3/4" T.	C. CHOKE			_ WORKIN	NG PRES	SSURE	S FROM _	CABING	
TIME			Q	(MCFD) 5 PSIA &		WELLE	HEAD	WORKING		
HOURS MINUT	<u>res</u> <u>i</u>	PRESSURE	15.02	PSIA &	60°F				TEMP	
0 30		450					1363			
0 45		417		*					76	
1 00		379					843		-80	
0 45 1 00 1 30 2 00 2 30 3 00		225 297					784 705		_82_ _84_	
2 30		267					71		_84_	
3 00	 -	264_		*************************************			543		_84_	
										
START AT:	10:00 a.	л,			_ END T	EST AT	::	1:00 p.m	<u> </u>	
REMARKS:	MARTED BLO	MING MRAW	T GROAT I			10100 W				_
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