MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Angels Pe	ak Dalost	F	ormation	Daler	ta		County	San Ju	
Init	ial X	A1	nnual		Spec	ial		Date of	Test	-25-59
Compa	any Pan Ass	ricen Pe	broleum C	o r p.	Lease	SA Hargi	gae "H"	Wel	1 No	1
Unit	<u>ab</u> s	ec. <u>9</u>	Twp _ 278	Rg	e. <u>10</u> V	Purc	haser_	athern it	den Ges	Concasy
Casin	ng <u>1-1/2</u> W	t. 9.5	_I.D	090 Se	t at 69	96 Pe	rf	<u> </u>	To	64.99
Tubir	ng 2-3/8 W	t. 407	_i.D1.	95 _Se	t at 64	5 Pe	rf	m endedj	no pers	prations
Gas I	Pay: From_	6461 To	64.99	L 64	45 x(0.70(#) _GL_	0.2	Bar.Pre	ss. <u>12</u>
Produ	ucing Thru:	Casing	<u> </u>	Tu	bing	<u>x</u>	Type We	11	2 (0.1	
Date of Completion: 9.6.99 Pac					Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.					
					OBSERVI	ED DATA				
Ceste	ed Through	(processed	(Choke)	(110000)	L			Type Tap	s	
			n Data			Tubing	Data	Casing D		
No.		(COURSE					l	Press.	1 1	Duration of Flow
SI	Size	Size	<u> </u>	h _w	°F.	psig 1927	° _F ,	psig	°F∙	Hr.
1. 2.	2"				64 (T)			122		3 hours
3.										
5.							<u> </u>			
					FLOW CALC					
io.	Coefficient Pressu			Factor		Factor Factor Q-MCFPD				
L. L	(24-Hour		h _w p _f	psia	Ft		F _g	F _{pv}		15.025 psia
2.										
) c 										
- 1								<u></u>		
					ESSURE CA	LCULATI			_	_
	quid Hydrod y of Liquid		rbons		cf/bbl. deg.		Speci		ty Flowi	ing Fluid
:			_(1-e ^{-S})				Pc_1	139	Pc_ 3.7	59,72
\top	P _w					2		2 0		
Io •	Pt (psia)	Pt ²	F _c Q	$(F_cQ)^2$	(F _c	Q) ² e-s)	P _w 2	$P_c^2 - P_w^2$	Cal P _v	
						69	5,596	3,064,169		
bsol		mortum !	93 Petrology			n 0,75				
DDRE		n. n. h	ington, in	Area P	THE TRANSPORT	R	M. Bane	y dr. 1	7 7 H	l l
	SSED						Paus	<u>r., Jr </u>	<u> </u>	
, old R	··· <u>-</u>				REMA	RKS	 	- marketo, og		
							/est	MEN		
							RIL	MI FR		

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.
- 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.
- Fpv 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_{+} .

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