MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Ballard P	Lctur e d	Cliffs	Forma	tion	Pictur	ed Cliff	<u>Es</u>	County Sa	an Juan	<u> </u>	
Init	ialX		_Annual_			_Speci	ial		_Date of '	Test	eb. 17, 1964	
Comp	any Huren I	rillin	g Compa	ay, Inc.	Lea	se <u>N</u>	levs on		Wel	l No	3	
Unit	. <u>M</u> S	ec 9	Twp	26N	Rge	8W	Purcl	haser_Sou	thern Uni	on Gas	Company	
	ng 4 1/2" W											
	ing 1" W											
	Pay: From 2											
Prod	lucing Thru:	Casi	ing	<u> </u>	Tubi.n	g	Sin	Type Wel	head-G.	gle Gas G. or (G.O. Dual	
Date	e of Complet	ion: <u>Fe</u>	b. 10,	1 964 P	acker			Reservo	ir Temp			
					O)	BSER V I	ED DATA					
Test	ed Through	(P460	泽) (Cho	ke) (M	ter)				Туре Тар	s		
Flow Data (Prover) (Choke) Press. Diff. To							Tubing		Casing D	ata	Duration	
No.	(Prover) (Line)	/		1				i i		_	of Flow	
_	Size	Siz	ze p	sig	h _w			<u> </u>		°F.		
<u>SI</u>	<u> </u>	3/41	1	67	6		580 190		585 167	600	7 Days	
2.												
3. 4.		! 						<u> </u>				
5.												
					FI.O	W CAT	CULATION	S				
No.	Coefficient (24-Hour) √h _w			1	ure	Flow Temp.		Gravity	Factor		O_MCFPD	
1.	12,3650		V	179		1.000		0.9463	1.019		2,134	
2. 3.												
4.												
5.		l										
rav	Liquid Hydro ity of Liqui			3	cf			Speci Speci	fic Gravi		arator Gas wing Fluid 356.4	
Ų 			`	-				_	202	_P _w	40.8	
No.	P _w	$P_{\mathbf{t}}^{2}$	F _c Q	(F	(cQ) ²	(F	cQ) ² -e-s)	P _w 2	$P_c^2 - P_w^2$	С	al. Pw Pc	
Į.	TC (pola)							40.8	315.6		0.338	
2. 3.						 						
4.												
5.						<u> </u>			<u> </u>			
					M	CFPD:		-				
Abso	olute Potent					,	n 0.8	<u> </u>			Carrie and Marine Control	
COM	PANYHur	on Dril	Line Co	4010	Inc.					601		
ADDI AGEI	PANY Her RESS 715 NT and TITLE	Parmer R.	Ling Cors Union	Bldg., lips, D	Inc. Denver	3. Co	olorado .	N. H.		off		
ADDI AGEI WIT	PANY Hear RESS 715 NT and TITLE NESSED	Farmer	Lling Cors Union N. Phil D. Hols	Bldg., lips, D	Inc. Denver	3, Co Supt	lorado	N. Yt.	((),12	RE	101964	
ADDI AGEI WIT	PANY Her RESS 715 NT and TITLE	Farmer	Ling Cors Union	Bldg., lips, D	Inc. Denver	3, Co Supt	lorado	10 Hz	((; _p ;2	REU	101964 20N. COM	

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.
- $h_{\mbox{W}}$ Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- F_t 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_{t} .