NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	Blanco			Fc	rmation	Mes	a Verde		_County	San	Juan
Init	ial <u>x</u>	<u>x</u>	Annu	al		Spec	ial		Date of	Test	9-11-57
CompanyPACIFIC NORTHWEST PIPELIN					Œ Lease 32- 8				Well No. 24-19		24-19
Unit	A	Sec	19 Tw	p <u>32</u>	N Rg	e. <u>8</u> w	Purc	haser <u>n</u>	ot connec	ted	
Casi	ng 5-1"	Wt	I	.D	Se	t at <u>59</u>	30¹Pe:	rf	53681	То	58161
Tubi	ng 1-1/4"	Wt	I	•D•	Se	t at <u>58</u>	1 7' Pe:	rf		To	
Gas	Pay: From	ū	To		L	х	G .650			Bar.Pre	ess. 12
Producing Thru: Casing Tubing XX Type Well single Single-Bradenhead-G. G. or G.O. Dual											
							Sin	gle-Brade	enhead-G.	G. or (G.O. Dual
							ED DATA				
Tested Through (Tropet) (Choke) (Metet) Shut in 7 days Type Taps											
			Flow Da				Tubing		Casing D		<u> </u>
No	(Prover) (Line)				Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow
ľ	Size	S	ize	psig	h _w	°F•			psig	[⊃] F•	Hr.
SI 1.		3/) _e 11	73		o	600 73	<u>54</u>	1138 715	ļ	3 hours
2. 3.		3/	·•	13			13		177		3 180416
4. 5.											
						T.OW CAT	CULATIONS	3			
	Coefficient (24-Hour) $\sqrt{h_{WH}}$				Flow Temp.		Gravity	Compress.			
No.			h.r	 o_	psia	Factor F+		Factor F _a	Factor For		Q-MCFPD @ 15.025 psia
1.	14.1605		A Mr	1	85	1.0058		•960g	1.000		1163
1. 2. 3. 4. 5.											
4.											
5.											
							ALCU ATI				
	iquid Hydr ty of Liqu		rocarbo	ons		cf/bbl. deg.		Speci	fic Gravi	ty Flow	rator Gas ving Fluid
c			(]	l-e ^{-s})				Pc	1150	_Pc	1322.5
	$P_{\mathbf{w}}$	1						707			
No.	Pt (psia)	P	E F	₂ Q	$(F_cQ)^2$	(F.	c ^{Q)² -e^{-s})}	727 P _w 2	$P_c^2 - P_w^2$	Ca	P _w P _c
I.	1 (psia)							528.5	794.0		P _w P _c 1.67
2 .		 								 	
4.										+	
5.		<u>.l</u>							<u> </u>	<u>. </u>	
Absol	lute Pocen ANY PACIFI	tial:	170		r (SORPO)	MCFPD;	n •75/	1.4689			
ADDRI	ESS 4053 V	lest Br	oadway	, Farmi	ngton, l	lev Mexi					
	T and TITL ESSED	E C. R	Wagn	er - We	11 Test	Inginee	r		_	J HA	
	ANY								- 3		
						REM	ARKS			On -	26 1957 N. Co
										, co	W. n

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
- 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv 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 $P_{\mathbf{+}}$.

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