## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised	12-1-55

Poc	ol Basin	Basin Formation Dakota					County San Juan				
Initial X Annual Special Date of Test 12-13-61										-13-61	
Company Skelly Oil Company						Lease Mexico-Fed #K#			Well No. 1		
Uni	t <u>B</u>	_Sec	Tw <sub>1</sub>	0 - <b>28</b>	N Rg	e1 <b>0</b> /	y Purc	haser			
	ing OD										
	oing <b>2_3/8"0</b>										
											ess. 12.0
									•		
110	ducing Thr	u: Cas	2T118		1u	owig	Sin	Iype we gle-Brade	enhead-G.	G. or C	.O. Dual
Dat	e of Compte	etion:	12-14	-61	Packe			Reserve	oir Temp.		
						OBSERV	ED DATA				
Tes	ted Through	n (1/4)	44) (	Choke)	(AAAAA)				Type Tap	os	
	(Prover		low Da		Diff	Temp			Casing I	)ata Temp	Duration
No.	(Line) Size	1/4 4		Ī	1 1			i -	psig		
SI	5126	- 51	.26	here	11W	r •	1955	F 4	1992	1 .	nr•
1. 2. 3.		3/	T.M	443		60	44.3	60	983		3 hours
<u>3.</u>											
4. 5.											
				<del></del>			CULATION				
No.	(24-Hour) $\sqrt{h_{w}p_{f}}$		Factor		tor	Gravity Compress. Rate of Flow Factor Factor Q-MCFPD			O-MCPPD		
<del>,  </del>			√ h <sub>w</sub> r								
1. 2. 3. 4.	12.3650				455	1.0000		9258	1.058		5511
2° 4•											
<u> </u>									<del></del>		
							ALCU ATI				
	Liquid Hydr ity of Liqu		ocarbo	ns		cf/bbl. deg.					rator Gas ing Fluid
`c		<del></del>	(1	_e <del>-s</del> )_				Pc	2004	_Pc	016.0
	$P_{\mathbf{w}}$								<u> </u>	<del></del>	
No.	w Pt (psia)	$P_{t}^{2}$	Fc	Q	$(F_cQ)^2$	(F	cQ) <sup>2</sup> -e <sup>-s</sup> )	$P_w^2$	$P_c^2 - P_w^2$	Ca	$\begin{array}{c c} P_{W} \\ \hline P_{C} \end{array}$
<u>ļ.</u>	TC (poid)							90.0	3026		P <sub>c</sub>
1. 2. 3. 4. 5.		<del> </del>	1								
4. 5.		<u> </u>									
	olute Poten			\		MCFPD;	n <u>0.75</u>				
ADDI	RESS P.	O DRAW	ER 510	FARM	INOTON,	NEW MEX					
WITI	NT and TITI NESSED	E Wa	llion	~S	ingl	7	PRODUCTI	ON ENGIN	DID'R		
COM	PANY					REM	ARKS			, T	
											$T_{\omega}$

## 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 (Pw). MCF/da. @ 15.025 psia and 60° F.
- PcI 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.
- Ft Flowing temperature correction factor.
- $F_{pv}$  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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