3-OCC
2-Phillips (Corbett, Hintze)
1-Comm. Pub. Lands
1-H.L. Kendrick

NEW MEXICO OIL CONSERVATION COMMISSION

1-B. Parrish

1-LDH, 1-TCA 1-T. Cowan

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

	?-F				-FOINT DA								
							DAKOT A						
Initi	ial X Annual			1	Special				Date of 1	rest	8/11/64		
Compa	any Beta	Develo	pment	Co.	I	ease	San .	Juan 28-6	Well	l No	105		
Jnit	N Se	ec. <u>3</u>	5_Twp)	28 N Rge	• 6 N	Purc	haser <u>F</u> 1	Pago Nati	mal G	e Co.		
Casir	ng 4 1/2" W	t. <u>11.</u>	60_I	D. 4.	040 Set	at	561 Pe	rf73	16	ro	7540		
	ng 2 3/8" W												
	Pay: From_												
	ucing Thru:							*					
Date	of Complet	ion:	7/30	164	Packer		Sin	Reservo: Reservo:	ir Temp	J. OF			
5	01 00 						ED DATA						
Test	ed Through	(Press	(408)	Choke	(Napar)				Туре Тар	s			
Tested Through (Prover) (Choke) (Manage)													
	(Prover)	(Choke)		Press	Diff.	Temp.	Press.	Temp.	Press.	Тетр.	Duration of Flow		
No.	(Line) Size	KROCIC	t xxx ze	psi	Diff.	o _F .	psig	o _F ,	psig	or.	(Hr.	
SI				F			2636		2591		7 Day	/9	
일 +				334		73	334	73	1205			3 Hour	
2.		7								 	+		
3.							 	-					
4· +		 											
2•				-									
					·	FLOW CAL	CULATION	IS Coord to	Compre		Rate o	P Plow	
	Coefficie				Pressure Flo		Temp.	Gravity	ractor		Q-MCFPD @ 15.025 psia		
No.	(0) 11	(24-Hour)			pșia	Factor		Factor F					
	(24-Hou	ur)	V nwpf										
1. 2. 3. 4. 5.	12.3650	12.3650		346		9877		9463	1.034		4,134		
2.													
[.]													
3. †											<u> </u>		
					PR	ESSURE (TAIUSIAT						
as I	iquid Hydro	carbo	n Rati	.0		cf/bbl	•	Speci	fic Grav	ity Ser	parator	Gas	
iravi	ty of Liqui	id Hyd:	rocart	ons	aeg.			Specific Gravity Flowing Fluid Pc 2647 Pc 7006.6				<u>ura</u>	
(1-e ⁻⁸)								P _w 1217 P _w ² 1481.0					
									1217		1461.0		
No.	P _w	P	2 F	r _c Q	(F _c Q) ²	2 9	$\left[\begin{array}{c} \mathbf{F_cQ} \right]^2 \\ \mathbf{1-e^{-s}} \right]$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$		Cal.	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$	
1.	Pt (psia)							1401.0	5525.6				
2.					<u> </u>				 				
3.		 			+								
4. 5.													
	olute Poten	tial.		4 0 40		MCFPD	: n 75						
	PANY	_			rt Co.								
ADD	RESS	234	Petr.	Club	Plaza, Fr	rmingto	n, New M	ext co					
AGE	NT and TITL	E	6 1		Drag	Notion	Engl neer						
WIT	NESSED		H. M	:Anall	·y		 -			18 S 3V			
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COMPANY El Pese Natural Gas Go. REMARKS RELLIVED AUG 17 1964													
										}			
										AUGI	COM	.]	
									\	JIL CO	N. COM	/	
									/	DIS	ST. 3		

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 T Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 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
- 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_{+} .