3-CCC 1-N. L. Kendrick 1-Bill Parrich 1-HP Carr 1-HD 2-Dolhi Taylor 1-D, 1-F

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Pool Besin Dekota							Formation Dakota						County San Juan			
					slSpecial										V 62		
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														tetural (
Casi	ng_4	1/2	Wt.	10.	50 I.	D. 4.	090	Set	at 68	35	Perf.	661	4	To	6774	,	
														_To	_		
Gas Pay: From 6614 To 6774 L 6732 xG .625 _GL Bar.Press. 12.0															12.0		
Producing Thru: Casing Tubing Type Well Single-Gas Single-Bradenhead-G. G. or G.O. Dual																	
Date	of	Compl	etio	n:	7/17	/62	Pa	cker		<u></u>	Single- Re	Brade s erv o	nhead-G ir Temp	. G. or	G.O. I)ual 	
									OBSERV								
Test	ed T	h rou g	sh <u>(</u>	FFCO	<u>%) (c</u>	hoke)	<u>(##00+)</u>					Туре Тарѕ					
Flow Data											Tubing Data			Casing Data			
No	(P	rover) [(Cho)	ke)	Press	ł		Temp.				Press.	Temp.	7	Duration of Flow	
_		Size		Si	ze	psig	h	w			g			°F∙		Hr.	
SI 1.				-3/4	,		140			2122		3-	2104	_		7 dey 3 hr.	
2.																<u> </u>	
3.																	
4. 5.			_				-}				_				+		
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		ooffi	oien	+ 1			200001		LOW CAL				Commi	200	Pata	of Flow	
No.	Coefficient			'	Pressure Flow			cor Facto		ctor	r Factor		Q-MCFPD				
	(24-Hour) √1			$\sqrt{\ {}^{ m h}_{ m w}}^{ m p}$	h _w p _f psia			Ft		Fg		Fpv		● 15.025 psia			
1.	12,3650					152		.9723		.9798		1.0	1.012		1,812		
2.				+							 						
3. 4.																	
5.											<u>L</u>					·	
								PRE	SSURE C	ALCUI.A	TIONS						
					D / •				2612							•	
									cf/bbl. deg.		Specific Gravity Separator GasSpecific Gravity Flowing Fluid						
Gravity of Liquid Hydrocarbons_ C(1-e-							-S)					P _c	2116	Pc	4477.	•	
											1	W	1006		1179	<u> </u>	
$\neg \top$	$P_{\mathbf{w}}$		_		1				T	2		·····	2 .	,]			
No.		(:-		$P_{\mathbf{t}}^{2}$	Fc	3	(F _c	Q) ²	(F.	$\frac{c^{Q}}{-e^{-s}}$	P	w ²	P _c -P _v		al.	P _w P _c	
1	rt	(psia	' -		+				(1	-c -)	1179.4		3298.0		P _w	.513	
2.																	
3.										· · · · · · · · · · · · · · · · · · ·	ļ				_		
1. 2. 3. 4.			+-		+						 						
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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 (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
- $P_{\mathbf{w}}$ 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.
- $F_g \subseteq Gravity$ correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} 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 $P_{\mathbf{t}}$.