3-NMOCC 1-Turner 1-Christman 1-San Jacinto Pet.

NEW MEXICO OIL CONSERVATION COMMISSION

1-El Paso

22

	l-Fil l-Rød			MULTI	_ P OTNT 1	RACK PRE	יי שלמווטים	ሞኖሞ ፑርክ ሮ	AC LEDITO		Form C-12 Revised 12-1-5	
Pool Basi						PRESSURE TEST FOR GAS WELLS Dakota Count						
In	itial	X							Date of			
									We:			
Uni	it J	Se	. 33 Tv							TT 140.		
Cas	sing 42	Wt	10.5#		Se	t at 63	398	Perf. 61		То	6342	
					Set at 6283 Perf.							
Gas Pay: From 6175 To 6342 L xG .680 -GL Bar.Press.												
Pro	ducing T	hru:	Casing_		Tu	bing	X	Type W	lell Singl	.o≕Cas	cos•	
Dat	e of Com	pleti	on:10 -12	-61	Packe	r	S	ingle-Brad	Well Single lenhead-G. Foir Temp.	G. or	G.O. Dual	
							ED DATA		011 10mp*			
Tes	ted Thro	ugh	(Pervex) (Choke)	(#888 *)		22 2111	•	Type Tap	s		
-			Flow D	ata			Tubir	ng Data	Casing D		T	
No.	(Prov (Lin	er) e)	(Choke) (Orifice)	Press.	Diff.		Press	Temp.	Press.		1	
SI	Siz	e	Size	psig	h _w	°F.	psig		psig	o _F .	of Flow Hr.	
1.							2111		2121			
2. 3.			3/4"				253		1434	650	3 hrs	
4.									 			
<u> </u>												
No.	FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow											
	(24-Hour)		√ h _w r	f	psia	Factor F _t		Factor F _g	Facto:		Q-MCFPD @ 15.025 psia	
1. 2. 3. 4.												
3.	12.365			265		•9952		•9393	1.02	9	3152	
5.												
					PRE	SSURE CA	ALCUI AT	IONS				
Gas L Gravi	iquid Hy	droca.	rbon R <mark>atio</mark> Hydrocarbo			cf/bbl.		Speci	fic Gravit	y Sepa	rator Gas	
Fc			(1	-e ^{:-8}		deg.		Speci P _C	fic Gravit	P2 454	ing Fluid	
								V		· ·	——————————————————————————————————————	
No.	$P_{\mathbf{W}}$		$P_{\mathbf{t}}^2 \mid \mathbf{F_{c}}$	2	$(F_cQ)^2$	(F.	0)2	P _w 2	$P_c^2 - P_w^2$	Cal	, ,	
1.	Pt (psi	a)				(1-	Q) ² e ^{-s})	' w~	1 C -1 W	P		
2. 3.	1446											
4.	1445							2090.916	2458.773		1.8504	
5.	lute Por		500									
COMP.	ANY_		Redfern &	Herd.	Inc.	MCFPD;	n_ •75	1.5865				
ADDRESS Box 1747, Midland, Texas AGENT and TITLE T. A. Dugan, Engineer Original signed by T. A. Dugan												
WITNI COMP	ESSED Any								170	11		
	REMARKS NOV1 0 1961											
									NO.	A F ft 12	om.	
										IST. 3	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 I 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.
- $h_{\mbox{W}}$ 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 $P_{\mathbf{W}}$ 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_{+} .