NEW MEXICO OIL CONSERVATION COMMISSION 748 077

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Po	ol <u>Besin De</u>	itota		F	ormation	Dakot			County_	San Jus	NO.	
In	itial X		_Annual			Spec	cial		Date of	Test 1	-20-62	
Cor	mpany Ten	eco 011	Company	<u>y</u>		Lease Co	rnell Ga	in Unit "C	 ₩e:	Ll No.	1	
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	sing 4.5									To 6	1463	
	oing 2-1/16 I											
	s Pay: From											
Pro	oducing Thru	: Casi	ing		Tu	bi.ng	X	Туре We	ell Singl	e Gns		
Dat	ce of Complet	tion:			Packe	r	Si	ngle-Brade Reserve	enhead-G. oir Temp.	G. or (3.0. Dual	
							ED DATA					
Tes	sted Through	ARREA	(Cho	ke)	(HELEH)				TANGENCIES	XX		
			ow Data				Tubine	g Data Casing Data				
No.	(Prover) (Line)	(Chok	e) Pr	ess.	Diff.	Temp.		Temp.	Press.		1	
	Size	Siz	e p	sig	h _w	o _F .	psig	o _F .	psig	o _F .	of Flow Hr.	
SI l.		3/4		_			2077	70	2051 475		7 Days	
1. 2. 3.									712		3 Fours	
4.		Ĺ						 				
5.	<u> </u>											
	On Reini			T		LOW CAL						
No.		Coefficient		i i		Flow Temp. Factor		Gravity Factor	Compre	ss.	Rate of Flow Q-MCFPD	
	(24-Hour)				psia	F ₁	t	Fg	Fpv		@ 15.025 psia	
1. 2. 3. 4. 5.	12.3050				166	0.990	9.	35.5	1.015		s 1978	
3.												
4.												
												
					PRE	ESSURE CA	lcui ati	ons				
Gas I	Liquid Hydro	carbon 1	Ratio			cf/bbl.		Speci	fic Gravit	tv Sena	rator Gas	
Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing F										ing Fluid		
^г с			(1-e ⁻	٠-				P _c	2069	Pc	1363651	
	D I		 									
No.	$P_{\mathbf{w}}$	$P_{\mathbf{t}}^2$	F _c Q		$(F_cQ)^2$	(F	$(Q)^2$ (e^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	1. P.	
	Pt (psia)					(1-	e ^{-s})			P,		
1. 2.	70,			+		- -		31763	M26752			
3.								;		 		
2. 3. 4. 5.				\bot		4						
Abso	olute Potent:	ial:	2063			MCFPD:	n 0.75	(1.0426)			<u> </u>	
ADDRESS COMPANY												
AGENT and TITLE												
WITN	ESSED											
COMF	PANY					REMA	DVC		1			

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 600 F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- F_{DV} Supercompressability factor.
- n _ Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.