NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	T BESTU	DEROT	.a		Formation) Dak	ota		County_	San .	Juan		
Ini	tial X	:	Annu	ual		Spec	cial		Date of	Test	7/14/61		
	pany South												
											Gas Company		
Casing 42" Wt. 10.50 I.D. 4.040 Set at 6400 Perf. 6274 To 6354 Tubing 12" Wt. 2.9 I.D. 1.610 Set at 6328 Perf. To 6328													
Gas Pay: From 6274 To 6354 L 6328 xG .67 GL Bar.Press. 12.0													
Producing Thru: Casing Tubing X Type Well Single-Gas Date of Completion: 7/1/61 Posker													
Date of Completion: 7/1/61 Packer Reservoir Temp.													
~ .		4-				OBSERV	ED DAT	'Å					
Test	Tested Through (Choke) (Choke)									Type Taps			
	(Prover)		Flow Dat		Diff.			ng Data s. Temp.	Casing I		Dunation		
No.	(Line) Size	XXXX	RXXXX	psig		o _F .				1	of Flow		
SI		 	126	hare	h _w	Г•	psi 2000		psig 2000	°F∙	Hr.		
1.		3/4	4*	264		75	264			 	3-Hr.		
3.		 			+		Promote St. Lieftigan after						
					 		و بود ۱۳ (۱۳۰۰ میلادی) در دود ۱۳ (۱۳۰۰ میلادی)			+			
<u>4.</u> <u>5.</u>					The state of the s					†			
FLOW CALCULATIONS													
No.	Coefficient			P		Flow 1	Flow Temp.		Compre	Compress. Rate of Flow			
NO.	(24-Hour)		7 h. r	_				Factor		Factor Q-MCF			
1.+	12.3650		VWPI		276	.9859		•9463	1.02		@ 15.025 psia		
1. 2. 3. 4. 5.						10 (N. 100-00)		17400	****		3,213		
3.							*** · # 24 Discourant						
5.													
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc													
T	$P_{\mathbf{w}}$						7			W			
No.	Pt (psia)	$P_{\mathbf{t}}^2$	Fc	3	$(F_cQ)^2$	(F _c	ହ) [ି] e−s)	P_{w}^{2}	$P_c^2 - P_w^2$	Cal P	P.W. Pc		
1. 2.								2152.0	1896.1	ļ			
3.										 			
4. 5.													
Absolute Potential: 5,695 MCFPD; n .75 COMPANY Southwest Production Company ADDRESS 207 Petr. Club Plaza, Farmington, New Mexico													
AGENT	and TITLE	G	OCTOR	L. Ho	ffman. Dr	oduction	Fores	nan	-/0	∤┧┇ ┦₩			
AGENT and TITLE George L. Hoffman, Production Foreman WITNESSED													
COMPANY AUG 1961													
	REMARKS OIL CON. COM/ DIST. 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 = 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_{w}^{-} Static wellhead working pressure as determined at the end of flow pericd. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mathbf{w}}$ Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.