MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Contine Corifice Size psig hw OF. psig OF	Pool	Vadeoi	nated		_Forma	tion	<u>neketa</u>	·		_County_	an Juan		
Sec. 14 Tup 31 Rge. 13 Purchaser Fl Face Neturel Gas Gommany	nit	ial <u> </u>	ه . - ا	Annual_			Spec	ial		_Date of	Test <u>12</u>	-9-60	
### Residence of Completion: 11-22-60 Set at 6627 Perf. 6422 To 6596 ### Reservoir Temp.	qmc	any Adebe	oil com	pany			Lease_ F C	carty		We]	ll No	1	
### Residence of Completion: 11-22-60 Set at 6627 Perf. 6422 To 6596 ### Reservoir Temp.	nit		Sec. 14	Twp.	91	Rge	e. 19	Purc	haser Fl	raso Natu	ral cas	Co mpany	
### Property Completion: 11-22-50 Packer Tubing X Type Well #### Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. #### Steed Through Through Tubing X Type Well #### Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. #### Steed Through Through Tubing Data Casing Data ### Character Choke Press. Diff. Temp. Press. Temp. Press. Temp. Duration of Flow ### Size Price Data Tubing Data Casing Data ### Character Choke Press. Diff. Temp. Press. Temp. Press. Temp. Duration of Flow ### Size Price Press. Diff. Temp. Press. Temp. Press. Temp. Duration of Flow ### Size Price Pressure Plow Temp. Gravity Compress. Rate of Flow ### Size Pressure Plow Calculations ### FLOW CALCULATIONS ### FLOW CALCULATIONS ### Factor Factor													
State From Casing Tubing Type Well Single Casing													
Type Well Single-Gas Single-Bradenhead-G. G. or G.O. Dual Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. OBSERVED DATA OPPOSED TYPE Taps Flow Data Type Taps Flow Data Type Taps Oppose Temp. Oppose T						_			*				
Completion: 11-22-50 Packer Reservoir Temp. OBSERVED DATA													
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Flow Data Flow Data Tubing Data Casing Data Casin	ate	of Comple	etion: 11	1-22-60	P	acke	r		Reservo	ir Temp.			
Press							OBSERV	ED DATA			.		
Press Press Diff Temp. Press Temp. Duration of Flow	e s te	ed Through	n (188008	(Chok	e) (M)	DG(4)				Type Tap	os	9.	
Coefficient			Fl	ow Data			1	Tubing	Data	Casing I)ata	<u> </u>	
Size Size psig hw OF. psig OF.					ss. D	iff.	Temp.	Press.	Temp.	Press.	Temp.	}	
			1 '	•	ig	h _w	°F•	psig	°F.	psig	[⊃] F•	1	
FLOW CALCULATIONS FLOW CALCULATIONS Coefficient (24-Hour)	I												
FLOW CALCULATIONS	: 		3/A	13	-		76	138	76	700	 	3 nour	
FLCW CALCULATIONS Coefficient Factor Fa													
FLOW CALCULATIONS Coefficient Factor	•												
Coefficient Factor Facto	<u> </u>				<u></u> l					L	 _	<u> </u>	
(24-Hour)	T									Gravity Compress. Rate of Flow			
PRESSURE CALCUIATIONS Stigned Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid P. 2052 P. 4210.7 P. 2052 P. 4210.7 P. 412 P. 169.7 P.	0.			/hwpf	_ psia				1		1		
PRESSURE CALCULATIONS S Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid P. 2052 P. 4210.7 Pw Pt (psia) Pt FcQ (FcQ)2 (FcQ)2 Pw Pt (1-e-s) Pw Pt Pc Pc Pw Pt Pc Pw Pw Pw Pt Pc Pw		12.3650			150								
PRESSURE CALCULATIONS S Liquid Hydrocarbon Ratio of/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid (1-e^-5) P	•												
PRESSURE CALCULATIONS S Liquid Hydrocarbon Ratio of/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid (1-e^-5) P	•				 								
S Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid (1-e^-s) P_ 2052 P_2 4210.7 P 2052 P_2 4210.7 P 169.7 P 109. Pt (psia) Pt FcQ (FcQ) ² (FcQ) ² (FcQ) ² Pw2 Pc-Pw Cal. Pw Pc Pc Specific Gravity Flowing Fluid Pc	\Box												
Pt (psia)	avi	ty of Liqu		carbons	·s)		cf/bbl.	ALCU ATI	Speci Speci	fic Gravi)52	ty Flov	ving fluid	
DESCRIPTION OF THE PROPERTY OF	0.	$P_{\mathbf{W}}$			$(F_{cQ})^2$			$(Q)^2$	P., 2	P2-PW	Ca	al. Pw	
Dosolute Potential: 1,728 MCFPD; n75 DMPANYAcobe_cil company DDRESS 1223 petroleum jife Bldg. widland. Texas GENT and TITLE	\bot	Pt (psia)	1			(1		·-		F	Wi i	
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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 = Actual rate of flow at end of flow period at W. H. working pressure (P_w). MCF/da. @ 15.025 psia and 60° F.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw 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 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 $P_{\mathbf{t}}$.