3 - HMOCC 1 - EPHG (Bill Parrish)

2 - Compass (Denver) 1 - File

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

Pool _	Besin	Dako ta	F	Formation Dakota				County Rio Arriba			
Initia				Special				_Date of	Te s t	11/2/62	
Compan	y Compa	ss Exploi	ration, I	nc. I	ease	Pederal	Lindrith	Wel	1 No	1-4	
							haser				
Casing	_5-1/2 W	15.5 t. <u>17.0</u>	_I.D	Set	at	431 Pe	erf 7	146	To	376	
	- •										
Gas Pa	y: From_	Tc	>	L	x	G <u>.6</u> 5	0 GL	4620	Bar.Pr	ess	
										• G.O. Dual	
Date o	of Complet	ion:	5/11/62	Packer	710	Sir Q	ngle-Brade Reservo	nhead-G. ir Temp	G. or	G.O. Dual	
			10/8/62								
Tested	Through							Туре Тар	ε		
		Flor	v Data			Tubing	Data	Casing D	ata	<u> </u>	
No.										Duration of Flow	
	Size	Size	psig	h _w	°F•			psig	[⊃] F•	Hr.	
SI l.						2210					
2 . 3.	2 ^{tt}	3/4"	126		55					3 Hours	
4. 5.				-							
					LOW CAL	CULATION	IS			, -	
No.	Coefficient		P	Pressure Flow Fac		Cemp. Gravity				Rate of Flow Q-MCFPD	
-	(24-Hou	ır) 🗸	hwpf	psia	F	I .	Fg	Fpv		@ 15.025 psia	
1. 2.	12.365			138	38 1.004		.9608	1.013		1669	
3 c 4 c 5 c 5 c 5 c 5 c 5 c 5 c 5 c 5 c 5											
5。											
				PRE	ESSURE C	ALCUTAT]	ONS				
as Liquid Hydrocarbon Ratio Fravity of Liquid Hydrocarbons_				cf/bbl. deg.			Specific Gravity Separator Gas Specific Gravity Flowing Fluid				
							P _c 2222 P _c 4937.284				
		 1									
No.	W	Pt ²	F _c Q	$(F_cQ)^2$	(F	$(cQ)^2$	P_w^2	$P_c^2 - P_w^2$		Cal. Pw Pc	
1. 2.	t (psia)				_ `	_e-s)				-W	
3	138	19.044	21.472	754.69	4 215	800	234.132	4703.1	24	1.0498	
4. 5.											
Absolu	te Potent	ial:	1731	D 4 18 T A SE	MCFPD;	n = •7	1.0371				
COMPAN ADDRES	SS	P. Q.	Box 113	8, Farmi	ngton,	H. Kex.					
AGENT WITNES	and TITLE	<u>Ella</u> s	lli E.	C. Ellis	, Produ	etion B	upt.				
COMPAN					REM	ARKS		1	D	\	
								OEC 3 1002			
								DEC 3) _W .	
								1 miles		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 I 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
- 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_{pv} Supercompressability factor.
- n I 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 $P_{\rm t}$.