Form C-122

	l File			MULTI-	-POINT B	ACK PRES	SURE TE	ST FOR GAS	WELLS		Revis	ed 12-1-33	
Poo!	Basin - Da	kota	_	F	rmation	D ₂	akota		_County	San Ju	An		
Initial I Annual					Special_				_Date of '	rest	6-3-6	2	
Comp	oany <u>Redfar</u>	& Har	d. Ir	ıc.	Lease Income				Well	l No	C-1		
	. <u>н</u> s												
	ing 1/2#W												
	ing 2 3/8#W												
	Pay: From_	v -						-					
Date	e of Complet	ion:	K_17_	£3	Packe	r	ngle-Brade Reservo	ll Single - Gas nhead-G. G. or G.O. Dual ir Temp.					
Dave	Of Compicu			<u> </u>			ED DATA						
	1 600	42		11 1 N	(***		BU DAIA		Trme Ten				
Test	ed Through								Type Taps				
$\overline{}$	(Prover)	(Chok	Flow Data (Choke) Pro		Diff.	Temp.		Data Temp.	Casing Dares.		Duration		
No.	(Line) Size	(Orifi	.ce)		h _w		psig	o _F .	psig	°F.		of Flow Hr.	
SI							2068		2072				
1. 2.		3/4*		533	670				1327		3 hrs.		
3. 4.													
5.		<u> </u>	<u>.</u>		<u>L</u>	· · · · · · · · · · · · · · · · · · ·					L		
	FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow Temp. Compress. Compress.											of Flow	
No.	(24-Hour) 7		/ h _w I		psia		tor	Factor Fg_	Factor F _{DV}	r	Q-MCFPD @ 15.025 psia		
1. 2.	, , , , , , , , , , , , , , , , , , ,		V M1	1									
2. 3.	12.365				545 .993		7 9608		1.055		6788		
3. 4. 5.													
					PR	ESSURE C	ALCUI AT	ions					
as I	Liquid Hydro	carbon	Ratio	o		cf/bbl.			fic Gravi				
	ity of Liqui	_	carbo	ons L-e ^{-s})		deg.	_		fic Gravi 08%			71uid 056	
<u></u>								V =					
No.	$P_{\mathbf{W}}$	P _t	F	Q	$(F_cQ)^2$	(F	,0)2	P. 2	P _C -P _w ²	Ca	1.	P.,	
	Pt (psia)			3		(i	(cQ) ² (-e ^{-s})	W	•	1	W	P _w P _c	
1. 2.			+-					3 700 001	0.550.70			3 0003	
3. 4.	1339		#					1,792,921	2,000 13			1.7031	
5. Abso	olute Potent		70.	120		MCFPD:	n = -7	5 1./.90	e				
COM	PANY Redfe	m and	Hard	Inc.									
AGE	RESS Box 1	747, Mi Original	sign	d by T	. A. Dug	Consult	ing Eng	ineer	(0)	TFIV	11		
	NESSED PANY					10.2.00	MDEC		/KI	ULIY	FD.	}	
						REM	ARKS		1	-	962		
										CON.		//	

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 \equiv 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
- Pw Static wellhead working pressure as determined at the end of flow period. (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.
- $h_{\mathbf{w}^{\perp}}$ Differential meter pressure, inches water.
- FgI Gravity correction factor.
- F_t 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 $P_{\mathbf{t}}$.