NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

ro.	L.III	U-IZZ
Revised	12	-1-55

Pool	Basin			F	ormation	Dako	ta		_County_	San Ju	an	
	ialX											61
Company Redfern & Herd. Inc. Lease Dustin Well No. 1 Unit Sec. 6 Twp. 29N Rge. 12W Purchaser												
Casing 43m Wt. 11.6 4 1.D. Set at 6128 Perf. 5886 To 6056												
Tubing 1 Wt. 1.7# I.D. Set at 6039 Perf. To												
Gas Pay: From 5950 To 6057 L xG 680 GL Bar. Press.												
Producing Thru: Casing Tubing Type Well												
Date of Completion: Packer Packer Reservoir Temp.												
	OBSERVED DATA											
Tested Through (Prover) (Choke) (Meter) Type Taps												
	(Prover)	T 7ch	Flow Da	ata IPress	Diff	Temp		Data Temp.			1	Duration
No.	(Line) Size	(Ori	fice)	Tress	Dill	1emp.	,1033.	о _в		Om.		of Flow
SI	Size	S:	ize 	psig	n _w	• 1°	ps1g 2150		2154	+	<u> </u>	Hr.
1.							- Cab / V					
2.						- (0			3.00	 	 	3 hrs.
<u>3.</u>	_2W	3/	<u>/ m</u>	187	 	68			1488	+	 	3 DIRA
4. 5.				<u> </u>								
						DIOU OAT	CUIT A TITONS					
	Coeffici	ent	 		ressure	FLOW CAL	CULATION:	Gravity	Compre	ess.	Rate	of Flow
No.	1 1			Fact		tor	cor Factor		or	Q-MCFPD		
			$p_{\mathbf{f}}$			t F _g		F _{pv}		@ 15.025 psia		
1.												
2.										-		·/-
3.	12.3650		 				24 .9393		1.021		2342	
1. 2. 3. 4.			 									
							A COUNTY A COUNTY	ov.a				
					PR	ESSURE C	ALCUIATI	ONS				
Gas I	Liquid Hydro	carbo	n Rati	0		cf/bbl.			ific Grav			
Gravi	ity of Liqui	d Hyd:	rocarb	ons		deg.		Speci	lfic Grav	ity Flow		
^г с—			(l-e ^{-s} ∑			-	^Р с	2166	^P c	1692	
	$P_{\mathbf{w}}$	***************************************	2				.2		-2 -2			_
No.	- · · · ·	P	t̃ F	cQ	$(F_cQ)^2$	(F	(cQ) ² (-e ^{-s})	P_{w}^{2}	$P_c^2 - P_w^2$		al.	$\frac{P_{\mathbf{w}}}{P_{\mathbf{C}}}$
	Pt (psia)						· - e - /		 	- '	P _w	<u> </u>
2:												
1. 2. 3. 4.	1500							2250	2442			1.9214
5.									<u> </u>			
Absolute Potential: 3822 MCFPD; n .75 1.6320 COMPANY / Redferm & Herd. Inc.												
ADDF	ESS :	P. O.	Box 1'	747. M	dland.	rexas Or	iginal sig	ned by T .	A. Dugan			
AGENT and TITLE T. A. Duran, Engineer												
	NESSEDPANY					 	<u>-</u>)	
	LWIAT					REM	ARKS					

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 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
- 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_{w} cannot be taken because of manner of completion or condition of well, then P_{w} must be calculated by adding the pressure drop due to friction within the flow string to P_{t} .