NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT	BACK	PRESSURE	TEST	FOR	GAS	WELLS.
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Po	ol Jalma	t		I	ormatio	n Ya	ites		County_	Lea	
In	itial										
Co	mpany Sun	011 Co	mpany			_Lease	В. Т.	Lanchar	t We	11 No.	2
Company Sun Oil Company Lease B. T. Lanchart Well No. 2 Unit I Sec. 20 Twp. 25 Rge. 37 Purchaser El Faso Natural Gas Co.											
Casing 7" Wt. 21# I.D. 6.336 Set at 2835 PerfTo											
Tubing 2 Wt. 6.5 I.D. 2.441 Set at 2826 Perf. To											
Gas Pay: From 2829 To 3325 L 3826 xG 0.665 -GL Bar.Press.											
Dat	Producing Thru: CasingTubing XType WellSingle										
							/ED DATA		011 10mp*		
Tes	ted Through	(DEPA	nana ke	· .	(Mat =)		LED DATE				
					(Meter)	· · · · · · · · · · · · · · · · · · ·			Type Tap	os	Orifice
	(Prover)	(Ch	Flow Datoke)	ress.	Diff.	Temp.		Data Temp.	Casing D		Duration
No.	(Line) Size	(Ori	fice)		h _w	o _F .		°F.		o _F .	of Flow
SI							465		465	F•	Hr. 72
1.	<u>4</u> #				17,22	75	357		359		24
<u>~•</u>	<u> </u>		00		33.06 34.22	76 78	302	 -	310		24
	Th.		00		46.24	77	294 27 3	 	305 281	 	24
<u>4.</u> 5.								†	201		24
			•						 -		
	Coeffic	ent.		T Pr		FLOW CAL					
No.	No.		_ ' '	Pressure Flow T		or Factor		Factor		Rate of Flow	
1	(24-Hour) √ h _w p _f			I I		t Fg		F _{pv}		Q-MCFPD 15.025 psia	
1.	6,135				70.2	.985					
1. 2. 3.	6.135		101.89		4.2	• 76 5		.949৪ .949৪	1.034		4 75 6 02
<u>3</u> .	6.135		102.16		5.2	.983		•9498	1.029	 	601
4. 5.	6.135		114.30	28	5.2	.984		.9498	1.026		675
2.1											
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio No cf/bbl. Specific Gravity Separator Gas 0.669 Gravity of Liquid Hydrocarbons No deg. Specific Gravity Flowing Fluid Fc Pw Measured (1-e-5) Pc 478.2 Pc 228.7											
	PEXX		- 			- 				,	
No.		$_{ m Pt}^2$	F _c Q		$(F_cQ)^2$	(F_	Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	20630	nx p
·	Pt (psia)	·				(1-	e-s)	¹ w~	1 C -1 W	Pw	P _w P _c
3-1						士 `				<u> </u>	- - c
2 . 3.	370.2	137.0						138.5	90.2		
4.	315.2 307.2	39.4						104.5	121.2		
5.	286.2	94.4 81.9	 -					101.3	127.4	! }	
Absolute Povertiels											
COMPANY SUN CIL COMPANY											
	ADDRESS Box 2792, Odessa, Texas										
AGEN	and TITLE	J.	M. Eub	nka	Fngi nee	. Oen	1 Eule	of.			
WITN	ESSED					1	· want	mp-			
COMPA	ANY										
						REMA:	RKS				- 30

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.
- Pc= 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.
- Fpv Supercompressability factor.
- n _ 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 $P_{\rm t}$.