1-EPMG H. 1. Kendrick
NEW MEXICO OIL CONSERVATION COMMISSION

1-WP Cerr 1-D, 2-F

1-EPMG Bill Parrish

Form C-122

	1-0, 2-6			MULTI-	-POINT B	ACK PRES	SURE TES	r FOR GAS	WELLS		Revised 12-1-55	
Poo	1 Besin Dekota			Formation Dakota					County San Juan			
Ini	tial	X	_Annua	1		Spec	ial		_Date of	Test	5/7/62	
Com	pany Southe	est Pro	oducti	on Com	pany	Lease	Mary S	nepherd	Wel	1 No	1	
Uni	t <u>K</u> S	ec1	Twp) - <u>30</u>	n Rg	e. 11W	Purc	haser	El Pago	Natura	1 Gas Company	
Cas	ing 4 1/2W	t10	<u>.5_</u> I.	D	.052_Se	t at6	894 Per	rf6	633	To	6724	
Tub	ing 1 1/2W	t. 2	. 75 I.	D1	610 Se	t at <u>6</u>	722 Per	rf		To	6722	
Gas	Pay: From_	6633	To_6	724	L	<u>.67</u> ×	.G <u>.67</u>		4503.7	Bar.Pre	ess. 12.0	
Pro	ducing Thru:	Cas	ing		Tu	bing	01.	Type We	11 51	ngle Ge	3.0. Dual	
											s.O. Dual	
						OBSER V	ED DATA					
Test	ted Through	(2000	ec) (0	hoke)	(Mercent)				Туре Тар	s		
	Flow I			ta			Tubing	Data	Casing D	ata .	T .	
,,,	(Prover)				Diff.	Temp.	Press.	Temp.	Press.		Duration	
No.	(Line) Size	(Orif			h _u ,	°F.	psig	°F.	psig	o _F .	of Flow Hr.	
SI					 		2040		2044		7 days	
1.		3/4"		141		71	251		141	71	3 hours	
2 . 3 .		ļ		·	_							
4.		L										
No.		Coefficient (24-Hour) √h _w p.			Pressure		Flow Temp. Factor F _t		Factor Q-		Rate of Flow Q-MCFPD 8 15.025 psia	
1.	12.3650	12.3650			153	989	6	F _g		215	1,797	
2 . 3.												
4.												
rav	Liquid Hydro ity of Liqui	d Hydr	ocarbo	ons e^s)		ESSURE C cf/bbl. deg.	ALCUIATIO	Speci Speci	fic Gravi fic Gravi	ty Flow	arator Gas wing Fluid	
V								Pw	263	_P2	69,2	
No.	P _w Pt (psia)	$P_{\mathbf{t}}^{2}$	Fo	Q	(F _c Q) ²	(F (1	(cQ) ² (-e ^{-s})	P _w 2	P _c ² -P _w ²		Pw Pc	
1. 2.								69.2	4157.	•		
3.												
4. 5.										+		
	olute Potent	ial•				MCEDU.	n	72	 	و المساور المس		
COM	PANY									OFIL		
	ESS NOTE OF	2(7 Pet	r. Clu	b Plaza	Farming	gton, New	Mexico.		11.11	(LU)	
	NT and TITLE NESSED		George L. Hoffman, Production Engineer Harold Kendrick						——————————————————————————————————————	Por.	1062	
COM	PANY_					COMPANY				MAY 1 4	120	
						REM	ARKS		6		V. CON. T. 3	

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 \subseteq 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
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential méter pressure, inches water.
- F_{g} Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{nv} 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} .