NEW MEXICO OIL CONSERVATION COMMISSION

1-HLKendrick

2-AO&G (Dallas, Farm)

1-BParish 1-LDH, 1-TCA

Form C-122

	1-LDH, 1-TCA 1-TCowan, 1-F MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS									F	Revised 12-1-55		
Poo]	•		_For	mation_	Dakota		County SanJuan				····		
Init	ialX		Innual_			SpecialDate of Tes					t 10-28-64		
Comp	any Beta	Develo	pment Co	· _	I	.ease/	ztec Fed	eral	Well	No	1		
Unit	J s	ec. <u>24</u>	_Twp	30	N Rge	11	Purch	naser El	Paso Nat	ural Ga	s Co	•	
Casi	ing 42 W	t. 10.5	I.D	1.05	2Set	at 720	58 Per	f. 70	331	co	252		
Tubi	ing 2-3/ 8 W	t. <u>4.70</u>	I.D	1.9	95 Set	at 72	26Per	f. ope	n	°o	end		
Gas	Pay: From_	7 033 1	ľo <u>72:</u>	52	_L	x	G <u>.670</u>		4834 ^I	Bar.Pre	88	12.0	
Producing Thru: Casing Tubing X Type Well Single-qas Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 10-18-64 Packer Reservoir Temp.													
	of complete						ED DATA		• -				
Test	ced Through	()Piconzen	r) (Chok	<u>е)</u> х	(Hec es)				Type Taps	5			
	(Prover) (Cho		low Data ke) Press		Diff.	Temp.	Tubing Press.		Casing Da			Duration	
No.		(Orabba	(180)		1	o _F .	p sig	1		o _F .		of Flow Hr.	
SI					W		2253		2247			d ays	
1. 2.		3/4	46	465		80	465	80	1456		3	hrs	
3.													
4. 5.													
No.	Coeffici (24-Hou	/h n.	Pressure		FLOW CALCULATION Flow Temp. Factor Ft		Gravity Factor	Compress. Factor Fpv		Rate of Flow Q-MCFPD @ 15.025 psia			
	12.3650	1 / V	/ h _w pf	47		.9813		F _g	1.046		5,729		
2 . 3.				-									
4.													
as]	Liquid Hydro ity of Liqui							Speci	fic Gravi fic Gravi				
		<u> </u>	(1-e	8)			_	P _c	2265	_P2	5130.	2	
								W	1468	W	2155.	y	
No.	P _w P _t ²		F _c Q		(F _c Q) ²	(I (1)	(cQ) ² (-e-s)	P _w 2	P _c -P _w ²	Ca	al.	P _w P _c	
1. 2.				\pm				2155.0	2975.2		_	.648	
3. 4.				\dashv						-	1		
4• 5•				\pm									
COM ADD		Beta De 234 Pet	velopme tr. Club	nt (o. za, Fa			<u> </u>					
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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.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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 $P_{\rm t}$.