NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE OCC

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS
1957 FEB 25 AM 10:32
Formation Yellow County Lee

Poo!				Fo	rmation	Yetes	- 7 Mw	928	_County	<u>Les</u>			
Initial Annual Special Date of Test 2-4 to 2-57													
Comp	pany 👪 🔭	en Het	usel de	s Con	1	Lease	regary A	ndozal_	Wel	l No	1		
Unit	. <u> </u>	Sec.	Twp.	23	Rge	e. 37 L	Purc	haser	il Pago Na	tural (es Co		
Cas	ing W	t. 15.	J.D	•	Set	t at	74 Pe:	rf		То			
Tub	ing 🌉 W	t. <u>4,</u> 7	I.D	•	Set at 3833			erf. To					
Gas Pay: From 2506 To 2621 L 2506 xG .655 -GL 1762 Bar. Press. 11.2													
Proc	lucing Thru:	Cas	ing	Х	Tul	oing	Sin	Type We	ll_finele	G. or G	.O. D	mal	
Date	Producing Thru: Casing X Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual Date of Completion: Packer Reservoir Temp.												
OBSERVED DATA													
Tested Through (Phones) (Choice) (Meter) Type Taps Through													
			7					g Data Casing Data					
~		1 /a:	low Dat	<u>a</u>	D: 00 [Tubing	Data	Casing D	ata Marrie	ł	Dunation	
No.	(Line)	(Orif	ice)	ress.	Diff.	Temp.	Press.	Temp.	Press.	Temp.		of Flow Hr.	
SI	5126	51	ze	psig	n _w	r •	barg	F 4	578	F •	7	72	
1.1	ΔÞ	2.384		205	5.20	53			337		1	4	
2.		2.50		27)	10.78	15			313		1	4	
3.		2.3		274	16.40	\$7			483			M	
4. 5.		2.5		110 _	25.00	63		<u> </u>	422			M	
5.					<u></u> _l				L	<u>L</u>	L		
					ī	FLOW CAL	CULATION	S					
	Coefficient			Pr	essure	Flow	Temp.	Gravity	Compre	ss.	Rate of Flow		
No.	No. 71s (24-Hour)		ent $\sqrt{h_{W} p_{\mathbf{f}}}$			Fac	tor	Factor	Facto	r	Q-MCFPD		
					psia	F.	.	F~	Fnur		@ 15.025 psia		
- ⊦													
 +		49.13		40.37				.937)	1.03		1,01		
2.	A2.13		-14-66				\$.2571		- 1-21		* 444		
3.	42.13		-47-61				9 .9371		1.0		2,653		
1. 2. 3. 4. 5.	42.13							1571	1.032		30.00		
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas of Specific Gravity Flowing Fluid cf/bbl. Specific Gravity Fluid cf/bbl. Specific G													
No.	Pt (psia)	Pt2			(F _c Q) ²	(+	c ^{Q)2} -e ^{-s})	P _w 2	P _c ² -P _w ²	F	1. W	Р <u>w</u> Р <mark>с</mark>	
<u></u> .	150.1	381.			TH			353.7	44.4	2010		.11	
2.	596.2	_276.			-iri	- 1-1			78.8				
3.	_496.3		4.9			- 3-1			155.3	444		.73	
4. 5.	435.2	100-/	6.3		_43.43_	4.7		194.2	1336.3			463	
		is1 -				MODDD -	n 4						
	olute Potent PANY	TgT:				MCFPD;	11	92					
	RESS	— <u>—</u>	الجودي	1000									
	VT and TITLE		-	,		10117		•	it - Intr	Same P			
	VESSED			<u>ایکا</u> معمد	with	-				الآل کاکاری د			
	PANY					/							
JOPE			- PER - II		*	REM	ARKS						

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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.
- PcI 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
- P_{f} Meter pressure, psia.
- $h_{\mathbf{W}}^{\perp}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv 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} .