## NEW MEXICO OIL CONSERVATION COMMISSION

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Aste

											Form C-	
	MUL	TI-	POINT B	ACK PRES	SSURE T	EST FOR G	AS W	ELLS		Rev	ised 12 <b>-</b> 1	
		_Fo	rmation	Piota	red Cl	iffe	c	ounty	San	معط		
lnnu	al			Spec	ial	<del></del>	D	ate of	Test_	2-24	-58	
<b>S</b>	~~~			Lease	od nym	San Juan		Wel	l No	l_	14	
_						rchaser_						
											8	
						Perf.				_		
					-	•	-			•		
			Packer		S	Type ingle-Brace Reser	denh voir	ead-G. Temp.	G. or	G.O.	Dual	
					ED DAT							
•) (	Choke	<b>(</b>	(Meter)	<b>422_0</b>			יוף	ype Tap	s			
w D		<u></u>			Tubi	ng Data				<del>-</del> -		
:)	Pres	ss.	Diff.	Temp.						-	Duratio	
e)		ig	h <sub>w</sub>	°F•	psi	g °F.		psig	°F∙		of Flo Hr.	
					669			670		1		
	69							587	55	+-	3.hr	
	<del> </del>								<del> </del>	+		
/hwpf		Pressure psia		FLOW CALCULATI Flow Temp. Factor Ft		ONS Gravity Factor F <sub>g</sub>		Compress. Factor Fpv		Q-	Rate of Flow Q-MCFPD @ 15.025 psia	
		<u>a</u>		1.0044		1,000		1.00		1,606		
aticarbo			PRI	CSSURE C cf/bbldeg.	ATCU A	Spec Spec		c Gravi c Gravi			Fluid	
F	<sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>		(F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-s</sup> )		P <sub>w</sub> 2		$P_c^2 - P_w^2$		Cal. Pw Pc		
						354,801	;	06,323			4-3744	
		$\perp$										
	Age o		Inc.		n_#5	3.505	<u> </u>		<u> </u>			
re.	Con		alayton ting En	gine or	·			FFFF	AT)	7		
							4	KLULI	1050	7		
	·			REM	ARKS		1	MARE	1958		-	

Initial	X		Annu	al		Spec	ial		Date of	Test	-2-56
Company	John	H. T	des_			Lease_	ed "Y"	San Juan	Wel	l No	1-14
Unit	<b>7</b> S	ec	14 Tw	p	<b>30#</b> Rg	ge	Pu	rchaser			
Casing	<b>741</b> W	t	I	.D	Se	et at	25	Perf	i1	То	2384
								Perf.			
							<del>-</del> -				
							_	Type Wingle-Brad			
Date of Co	omplet	ion:_			Packe	er	S	ingle-Brad Reserv	enhead-G. oir Temp.	G. or (	G.O. Dual
Tested Thi	rough	(Prov	ver) (	Choke	) <u>(Meter)</u>		ED DAT	A	Type Tap	s	
			low Da					ng Data	Casing D		<u> </u>
			oke) fice)		s. Diff.	•	ł	s. Temp.		-	Duration of Flow
Si	ize	Si	ize	psi	g h <sub>w</sub>	°F.		g °F.	psig	<sup>o</sup> F•	Hr.
							669		587	55	
1. 2. 3. 4.		3/	<u> </u>	69							
4.											
				<b></b>	<del> L</del>	ELON CAL	CIT A TT	ONE	:	<u> </u>	<del></del>
No.	efficion		-√ h <sub>w</sub> i				Temp. tor	Gravity Factor Fg		r	Rate of Flow Q-MCFPD @ 15.025 psia
2. <b>1</b>	.3650				<u> </u>	1.00		1,000	1.00		1,006
2. L 3. 4. 5.											
Gas Liquid Gravity of	Liquid	d Hydr	rocarbo			ESSURE C. cf/bbl. deg.		Spec: Spec:		ty Flow	arator Gas_ ving Fluid
									<b>,</b>		
No. Pt (F	osia)	Pt	F	<sub>3</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(F (1	cQ) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca I	Pw Pc
1. 2. 3. 4. 5.	9							354,801	106,323	-	4-3746
4.										<del> </del>	
Absolute H	orent:	ial:_	3526	<u> </u>		MCFPD;	n_#\$	3,505		1	
COMPANYADDRESS					armington				COLI	1.1	···
AGENT and WITNESSED	TITLE	Y.A.	Degen,	Com	witing B	Agrae es.			/OFIT	AED,	<b>\</b>
COMPANY									1100	1958	
						REM	ARKS		MARE OIL CO! DYS	N. COM	

## 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  $\equiv$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>w</sub>). MCF/da. @ 15.025 psia and 60° F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{w}$  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 I Slope of back pressure curve.

Note: If  $P_{\mathbf{W}}$  cannot be taken because of manner of completion or condition of well, then  $P_{\mathbf{W}}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\mathbf{t}}$ .



L CONSERVAT	ION COM	MISSION
AFFIEC DIST	RICT OF	FICE
	end Fill	
**************************************		· · · · · · · · · · · · · · · · · ·
ing patra (100 julio 100 j		
tife thats Office		
3 G.S.	1	: د د د مساح الموسد.
Vransporter		
File		