## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised	12-1-55

Poo	l Undesi	gnated	P.C.		Formation Pictured Cliffs				County Rio Arriba			
Initial Annual Annual					Spec	SpecialDate of Test_10/24/57				/24/57		
Company MAGNOLIA PETROLEUM COMPANY Lease Jicarilla "H" Well No. 3 P.C L.T.									P.C L.T.			
Unit A Sec. 12 Twp. 26N Rge. 3W Purchaser Pacific Northwest												
Cas	Casing 7 5/8" Wt. 21# I.D. 7.025" Set at 4012 Perf. 3632 To 3694											
Tub	ing 2 3/8 V	/t <u>).</u>	<b>7</b> _I	.D. <u>1</u>	<b>.995</b> Se	t at_ <b>35</b>	<b>79</b>	Perf		То	•	
Gas	Pay: From_	3632	To	369L	L_ <b>3</b> 57	79x	:G <u>.68(e</u>	st) <u>-</u> GL	2434	Bar.Pr	ess <b>. 12</b>	
	ducing Thru:											
Dat	e of Complet	ion:	10	)/5/5 <b>7</b>	Packe	r noi	S:	ingle-Brade Reserve	enhead-G.	G. or (	G.O. Dual	
	•	_		<del></del>							, , , , , , , , , , , , , , , , , , ,	
Tes	ted Through	(-Porce		Choke)	Mahand		DD DRIF	•	Ттто Топ			
			Flow Da		VERNOUN		m	- 0-1-				
	(Prover)	(Che	oke)	Press	. Diff.	Temp.	Press	ng Data	Press.	Temp.	Duration	
No.	(Line) Size	(Ori	fice)				1	1	1	ŧ .	1 2 22	
-	Size	S:	ize	psig	h <sub>w</sub>	°F.		o <sub>F</sub> ,	psig	F.	Hr.	
SI 1.	2"	ļ	0.75	11	-	60°	1148 11	600		1	2 5-0-	
2. 3.			Q 15			00			-	-	3 hrs.	
3.		1		<b></b> _								
<u>4.</u> <u>5.</u>					+					<del> </del>	<del> </del>	
					<del></del>		217 1 77		· · · · · · · · · · · · · · · · · · ·		<u> </u>	
	Coeffici	ent		P		FLOW CAL		ONSGravity	Compre	ss.	Rate of Flow	
No.				-		Fac	tor	Factor	Facto	r	Q-MCFPD	
	(24-Hour) $\sqrt{h_{W}}$		) <sub>f</sub> psia		F.	Ft Fg		F <sub>pv</sub>		@ 15.025 psia		
1. 2.	12.3650_				23 1.0		2000	-9393	<del></del> -		267	
3.												
4. 5.								<del></del>				
											<u> </u>	
					PRI	ESSURE CA	ALCUI AT	IONS				
Gas I	Liquid Hydro	carbor	n Ratio	5		cf/bbl.		Speci	fic Gravi	ty Sepa	rator Gas	
Gravi	ity of Liqui	d Hydr	rocarbo	ons	<del></del>	deg.		Speci	fic Gravi	ty Flow	ving Fluid	
"c	9.402		(	L-e <sup>-s</sup> )	.162			<sup>Р</sup> с—	_1160	با <b>دد</b> Pc	5.6	
									·			
No.	$P_{\mathbf{w}}$	Ρŧ	2   F	Q	$(F_cQ)^2$	(F	<sub>cQ)</sub> <sup>2</sup>	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca	1. P.,	
	Pt (psia)	- τ		3	(- G-6)	(i.	-e-s)	* W~	1 C W		Pw Pc	
1. 2.	23	-529	2	.51	6.30	1.02		1.549	1311	39.		
3. [								<del></del>		<del> </del>	i	
4. 5.						<b></b>						
				—			L		<u> </u>			
COMF	PANY			67	COMPANY	_MCFPD;	n_85					
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COMF								<i>y</i>		10	2	
REMARKS												
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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 ( $P_{\rm W}$ ). 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
- Pr Meter pressure, psia.
- hw Differential méter 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  $P_{\rm W}$  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  $P_{\rm t}$ .

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