## NEW MEXICO OIL CONSERVATION COMMISSION

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								WELLS		Revised 12-1-	
00	l Blinebry	Gas		Formation	B111	nebry Ga	8	_County	Los		
	tial									1-30-57	
om	pany <sup>S</sup> unray	Mid-Cont	inent	011 Co.	Lease	Linam H	ardy	Well	1 No. <u>~</u>	<u> </u>	
ni	ts	ec. 29_T	<b>3</b> _ qw	<b>1S</b> Rg	e. 37 <u>B</u>	Purc	haser No	ne Undes	ignate	od	
	ing 5 1/2 W										
<b>u</b> b.	ing <b>2 3/8</b> W	t. 4.70	I.D	<b>2"</b> Se	t at <b>6</b> 2	<b>239</b> Pe	rf		То		
as	Pay: From_	To		L		<b>x</b> G	<u>=</u> GL	]	Bar.Pre	SS	
	ducing Thru:										
at.i	e of Complet	ion: <b>4-9</b>	7-57	Packe	r <del>v</del>	Sin	gle-Brade Reserve	enhead-G. (	G. or G	.O. Dual	
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	tod marrie 1	(D	(Ob-1)	) (W=+=-)	OBODA	AUD DUIV	-ag • 0		c		
ested Through (Prover) (Chehe) (Meter)						Type Taps					
7	(Prover)	Flow (Choke)		s. Diff.	Temp.	Tubing Press.	Data Temp.	Casing Da			
۰.	(Line) Size	(Orifice)	psi	g h <sub>w</sub>	o <sub>F</sub> .	psig	o <sub>F</sub> .	psig	o <sub>F</sub> .	of Flow Hr.	
	1799					<b>†</b>					
	3/4"	30/64 30/64	373 226		42°	1474 SI 1474 SI		1105 1045		6 Hrs. 7 Hrs.	
·											
_	0 001 - 1		<del></del>			LCULATION		Commo	T	Rate of Flow	
٠.	Coefficient		Pressure		Flow Temp. Factor		Gravity Factor	Compress. Factor		Q-MCFPD	
-	(24-Hou 12,2023	r)   $\sqrt{h}$	h <sub>w</sub> p <sub>f</sub> psia		F <sub>t</sub>		F <sub>g</sub>			@ 15.025 psi	
	22,0662		226		1.0281		9325			4,639.44 5,156.52	
						CALCULATI					
. V	Liquid Hydro ity of Liqui	carbon Rat d Hydrocar	io bons	39,996 44.2	cf/bbl deg	•	Speci	fic Gravi	ty Flow	rator Gas ring Fluid	
			(1-e <sup>-s</sup>	)		_	<sup>Р</sup> с		Pc		
т	P			T				1	<del></del>		
١.	Pw 1799	Pt <sup>2</sup>	F <sub>c</sub> Q	$(F_cQ)^2$	(	$F_cQ)^2$ 1-e-s)	$P_w^2$	$P_c^2 - P_w^2$	1	P <sub>W</sub>	
4	Pt (psia) <b>373</b>	1391.3			(.		236.4	1845.1	r	w Pc	
	226	510.7					236.4	2725_4			
									1		
os	olute Potent	ial:_	538	30	MCFPD	; n90	Ave Fie	ld Slope	,)		
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' qu											

Well produces liquid on any stabilised rate. New completion.



## 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 = Actual rate of flow at end of flow period at W. H. working pressure (P<sub>w</sub>). MCF/da. @ 15.025 psia and 600 F.
- $P_c$ 2 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$  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  $P_{\rm W}$  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  $P_{\rm t}$ .