3-NMOCC

1-Compass (Farmington)
1-El Paso Prod.
2-Compass (Denver) NEW MEXICO OIL CONSERVATION COMMISSION
1-File

Form C-122

N. COM.

			M	ULTI-POINT	BACK PRE	SSURE TE	ST FOR GA	AS WELLS		Revised 12-1-5	
Po	ool	Basin		Formati	on Dal	kota	and the second s	County_	Rio Ar	riba	
	itial										
	mpany <u>Co</u>										
	it <u>K</u>										
Ca	sing <u>5-1/2</u>	1: Wt. 17	5.5# #& I.D.		Set at 7	415 Ps		104	T. 73	326	
Tul	bing <u>1-1/2</u>	Wt. 2.	75 T.D.		Set at <b>7</b>	256 90	7	256	_10	<i>,</i>	
Gas	s Pav: Fro	m 710/	то <b>73</b>	26 T	7256	-2 69	FI.	1021	_To	288•	
110	oducing Thr	u: (a	sing	•	l'ubing	Sin	Type W ngle-Brad	ell G.G. enhead-G.	G. or C	0. Dual	
Dat	ce of Comple	etion:_	8-24-61	Pacl	ker	<u> </u>	Reserv	oir Temp.	G.G. I	Dual	
					OBSERV	ED DATA					
Tested Through x(Leaves) (Choke) (Choke) (Choke) (Type Taps											
	(Prover	I (c)	Flow Data				Tubing Data   Casing Data				
No.	, ,	(XXXXXX	MODE)	ess. Diff			Temp.		1	Duration of Flow	
SI	Size	Si	ize ps	sig h <sub>w</sub>	°F.	psig	° <sub>F</sub> ,	psig	°F∙	Hr.	
1. 2.						2405					
3.		3/4	<b>"</b> 36	5#	63					3 hrs.	
4. 5.											
		<del></del>	<del></del>		PI OV CAT	SIT A ST SIT	l		<u> </u>		
No	Coefficient			Pressure			ONS Gravity Comp		ess. Rate of Flow		
No.	(24-Hour) -V		√ h <sub>w</sub> p <sub>f</sub>	h <sub>w</sub> p <sub>f</sub> psia		tor t	Factor Fact		Q-MCFPD @ 15.025 psia		
1.									0 1).02) psia		
1. 2. 3. 4.	12.365			377	.997	1.	•9393	.9393 1.0		44 4385	
4. 5.											
			<del></del>	pi	RESSURE CA	A COUTT A TOTAL	MC				
as I	Liquid Hydro	oca rhon	Ratio			TOURTE					
as Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas ravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid											
c	16.46		(1-e <sup>-?</sup>	•30:	<u> </u>		P <sub>c</sub>	2417	P <sub>c</sub> 58	841.889	
Т	$P_{\mathbf{W}}$					15:00				1	
No.	Pt (psia)	P <sub>t</sub> <sup>2</sup>	F <sub>c</sub> Q	$(F_cQ)^2$	(F <sub>0</sub>	Q) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal	P <sub>W</sub> P <sub>C</sub>	
[.   2.	V (1-1-7		+		/1-	- /			Pw	Pc	
[. 2. 3.	377	142.12	9 72.177	1 520915	34 1568	3,07 1	710.99	4130,899		1.4142	
<u>.</u>			<del></del>								
bso COMP	lute Potent			5686	MCFPD;	n75	1,2968		L		
DDR	ESS P	ox 1138	Exploration Denver	Colorado					_		
GEN' L'IN	T and TITLE ESSED	Origina	al signed b	y T. A. Du	gan Eng	neer					
OMP					<del></del>	<del></del>				The state of the s	

REMARKS

## 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{\text{DV}}$  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  $P_t$ .