## NEW MEXICO OIL CONSERVATION COMMISSION

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" [](18)	· > .	NE	w MEXICO	OIL CONS	ERVATION				
	17r	•					OFFICE OC		Form C-122 evised 12-1-55
· •••							WELLS 2	39	
Pool Inita-Vol									
Initial_ 🕱									
				. Coorge Lease Federal					
Unit P Se									
Casing/2 W								o <u>80</u>	
Tubing  W									
Gas Pay: From_	7994 To_	80	10! L 7	34.0	G max. A	GL_	6887 F	Bar.Pres	ss13.2
Producing Thru:	Casing_		Tul	bing	Sin	Type We	11 str	or G	O. Dual
Date of Complet	ion: 54	2-61	Packe	r	<b>2</b> h	Reservo	oir Temp	147°	
				OBSERV	ED DATA				
Tested Through	PERM	ZIBE.	(Meter)				Туре Тар	s <b>7</b> 1	ANGO
	Flow				Tubing	Data	Casing Da	ata	
No. (Line)	(Drifice)	Pres	s. Diff.	Temp.	Press.	1	Press.	Temp.	Duration of Flow
Size	Size	psi	g h <sub>w</sub>	°F•	psig	°F.	psig	°F∙	Hr.
SI	1.250	500	128	72	1700	8.8	Panime		123 3.0
2. 3.066 3. 3.066	1.250	500 600		78	1275	90			1.85
4. 3.06	1,850	600	250	- 65 - 63	1000	91 93			1.50
5. 3.00	1.250	600					<u> </u>	<u> </u>	
Coefficient		Pressure			Gravity	· 1 _ · · ·		Rate of Flow Q-MCFPD	
No. (24-Hou	r) \  \sqrt{h}	n <sub>w</sub> p <sub>f</sub> psia		Factor F <sub>t</sub>		Factor F <sub>g</sub>	Fpv		2 15.025 psia
1. 9.781 2. 9.781	<del></del>	14	513.2 513.8	0.988		0.9129	1.06		735.8
3. <b>9.761</b>	121	.11	613.2	0.218		0.9129	1.06	6	1130.0 1153.k
4. 9.781 5. 9.781	123		613.2	0.978		0.9129	1.06		1364.6
			PR	ESSURE (	CALCUIAT]	CONS			
Gas Liquid Hydro	carbon Rat	io	14.572	cf/bbl	•	Spec	ific Gravi	ty Sepa	rator Gas_720
Gravity of Liqui	d Hydrocar	bons	16.0° 6 60	deg	•	Spec:	ific Gravi	ty Flow	ing Fluid 681
°C		,\ <b>_</b>			_	- C			
$P_{\mathbf{W}}$	_2		(= 0)2		E 0\2	р ?	$P_c^2 - P_w^2$	Ca	1. P
No. Pt (psia)	$P_{\mathbf{t}}^{2}$	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(	$F_cQ)^2$ $1-e^{-s}$	P <sub>w</sub> 2		P	w Pc
1. 1713.2 2. 1288.2	2935.1	7.31 10.6	100.		5.00	2955.2 1697.5	3312.0	1719	9 58.2
3. 913.2	833.9	11.23	126,1	1 4	7.5h	881.h	4128.1 4451.3	938	
4. <b>713.2</b> 5. <b>1013.2</b>		13.56	183.8		9.32	1095.9	3913.6	10k7	
Absolute Potent	ial:	1600 4 Cl	m E. Gaor	MCFPD	; n	649			
ADDRESS 507 N	idland Sav	inge	Mdg., Nid	lland, T	eggs				
AGENT and TITLE WITNESSED	Bob Va		Engineer						

Volume and pressure increased on 24 hour rate of flow due to well possibly cleaning

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.

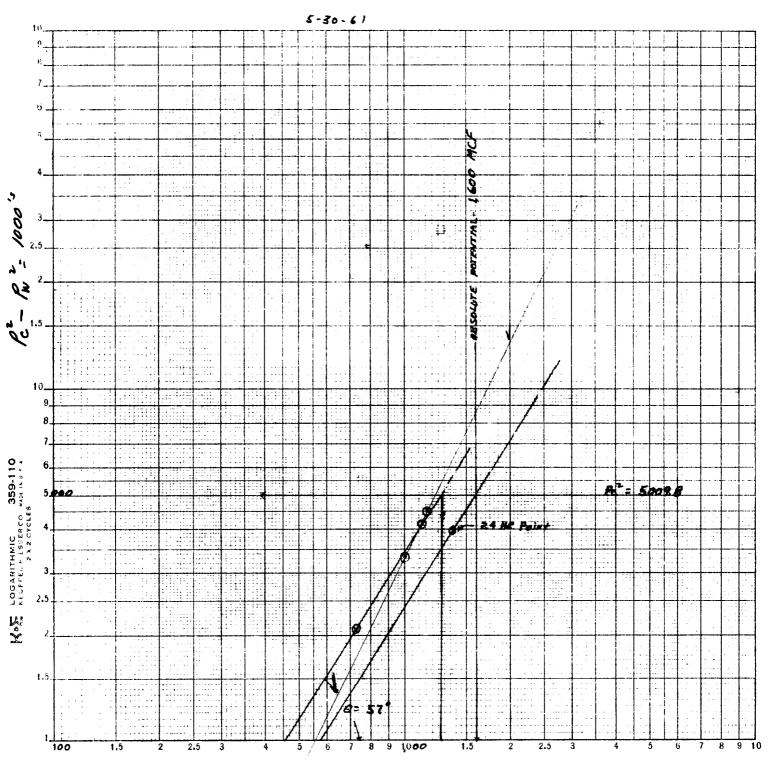
## NOMENCLATURE

- Q = 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.
- $P_{w}$  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.
- $h_{\mbox{W}}$  Differential meter pressure, inches water.
- $F_g$ : Gravity correction factor.
- $Ft_{-}^{-}$  Flowing temperature correction factor.
- $F_{DV}^{-1}$  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  $P_{\mathbf{t}}$ .

H.L. BROWN & CLEM E. GEORGE
FEOERAL 'A' No. 1

P - 33 - 7-5 - 37 E ROOSEVELT, N. MEX.



+ Q- MCFD +

2000: 1.30+0300 640 - 0.806,1800