NEW MEXICO OIL CONSERVATION COMMISSION

HOBES OFFICE OCC

Form C-122

				MUL	TI-POINT	BACK PRE	essure _i g	STEFOR C	AS WELLS		Revised 12-1-55	
					_r Or ment	⁷¹¹ ———	race	8	CountyLea			
In	InitialAnn			ual	<u> </u>	Spe	cial		Date of Test		5-28-5 8	
Company Continental Oil Company Lease Sholes A-13 Well No. 3											3	
Unit P Sec. 13 Twp. 25 Rge. 36 Purchaser El Paso Nat. Gas Company												
Casing 5 1/2 Wt. 14# I.D.5.012 Set at 3097 Perf. 2864 To 2950												
	Tubing None Wt. I.D. Set at Perf. To											
Gas Pay: From 2864 To 2955 L 2864 xG .675 -GL 1647 Bar. Press. 13.2												
Pro	oducing Thru	: Ca	sing	<u>~777</u>		ubina	Λ <u>΄ . </u>	(2GL_	1047	_Bar.Pre	ss. <u>13.2</u>	
Dat	Producing Thru: Casing I Tubing Type Well Single Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 1-4-51 Packer None Reservoir Temp. 900											
Dat	oc or combre	c.tou:_		-21	Pack	er <u>None</u>		Reserv	oir Temp.	900		
							VED DAT	A				
Tes	sted Through	k Rmo	TEK)	Charles	(Meter)			Type Ta _l	ps_Fla	nge	
	SCHOOL SECTION		Flow Data				Tubing Data		Casing Data			
No.	(Line)	(Ori	fice)	[s. Temp.		1 1	Duration of Flow	
SI	Size	Size		psi	g h _w	°F.	psi,	g °F.		^o F•	Hr.	
1. 2. 3.		.500		122	4.41	56			318 123		72 24	
<u>3.</u>		ļ										
<u>4.</u> 5.				<u> </u>								
						FLOW CAL	CIT A TT	MC		<u> </u>		
No.	Coefficient Fl ang e		Pı		ressure	Flow	Temp.	Gravity	Compre		Rate of Flow	
	(24-Hour)		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		psia	Factor F _t		Factor F _g	Facto F _{pv}	I .	Q-MCFPD 15.025 psia	
1. 2. 3. 4. 5.	1.525		24.40		135.2	1.0039		.9427	1.01			
3 _c												
5.												
					PRI	ESSURE CA	ALCULAT	IONS				
Gas I	iquid Hydro	carbon	Ratio	D;	ry	cf/bbl.		Speci	fic Gravi	tv Senar	ator Cae	
ravı	ity of Liquid	i Hydr	ocarbo	ns		deg.		Speci	fic Gravit	ty_Flowi	ng Fluid	
			•	<u>-</u>		**		* c2.	21.66	_rc <u>_</u>	9.7	
No.	$P_{\mathbf{w}}$	 Pt	T		(0.00)		0.2		2 2	1		
	Pt (psia)			۱ ا	$(F_cQ)^2$	(F ₀	Q) ² -e ^{-s})	P_w^2	$P_c^2 - P_w^2$	Cal P _w	P _W P _C	
1. 1 2.	36.2	18.6		-	Vegativ	e		18.6	91.1	W	41.12	
1. 1 2. 3. 4. 5.												
			1							<u> </u>		
Abso.	lute Potenti ANY <u>Contir</u>	al:_ ent a	41.5 1 Oil	Com	any	_MCFPD;	n7	771				
COMPANY Continental Gil Company ADDRESS Box 68, Eunice, New Mexico AGENT and TITLE												
	ESSED											
- OF ILI						REMA	RKS	***************************************				

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.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. usia
- 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.
- hww Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{py} Supercompressability factor.
- n _ 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 $P_{\rm t}$.