NEW MEXICO OIL CONSERVATION COMMISSION

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			M	LTI-	-POINT B.	ACK PRES	SSURE T	EST FOR GA	S WELLS	Re	evised 12-1-55	
Pool	Demont) 		Fc	ormation	Yat	65		_County_	Les		
Init	ial		Annual	X		Spec	cial		Date of	Test 4/13	/ 56	
Compa	any Skell	y 011 C	0.	6]	Lease	State "	.Bu	Wel	1 No		
Unit	E	Sec. <u>16</u>	Twp	218	Rge	e. <u>368</u>	Pu	rchaser	Seuthern I	inice Ges	Ge.	
Casi	ng_ 7 V	Nt. 20	I.D.	6.6	56Set	t a 2995		Perf		_To	·	
Tubin	ng 21 # V	Nt. <u>6.</u> 5	 I.D,	_2	4.1 _Set	t at 300	<u>R</u>†	Perf		_To		
Gas I	Pay: From	2995	To	303	_L_ 299	<u>5</u> ,	G_0.65		1953	Bar.Pres	s13.2	
Produ	ucing Thru:	: Casi	ing		Tul	oing I		Type We	ell	lingle		
Date of Completion:				Packer				Type Well Single Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.				
						OBSERV	ED DAT	A				
leste	ed Through				(Meter)				Туре Тар	s_ 71a	1/2 0	
Flow Dat								ng Data	Casing Data			
No.	(Prover) (Line)			ess.	Diff.	Temp.	Pres	s. Temp.		Temp.	Duration of Flow	
	Size	Siz	· · ·	sig	h _w	° _F .	psi,	g ^o f.	psig	^{>} F•	Hr.	
SI							1054				72	
$\frac{1}{2}$	<u></u>	2		195 190	15	<u> </u>	973			╂┣-		
3.		2	the second s	35	71	60	846					
4. 5.		2	750*	70	22	60	782			ļ		
<u>/ </u>	- <u></u>				<u>ا</u>	LOW CAL	CULATI	ONS	L	4	·····	
No.	Coeffici	ent		Pressure		Flow Temp. Factor		Gravity Factor	Compre		Rate of Flow Q-MCFPD @ 15.025 psia	
	(24-Hour)		√ ^h w ^p f		psia		't	Fg	Fpv			
	25.58		95.51		608.2	1.0058		0.9593	1.070		2522	
2 . 3.	25.58		174.34		633.2 648.2	1.0010		<u> </u>	1.071		4.591	
+• 5.	53.05			663.2		1.0000			1.073		5715 6667-6644.	
<u></u>	<u> </u>					ESSURE C		TONS	L		<u></u> ,	
ae Ii	.quid Hydro	an rhan	Patio						fic Gravi	tu Conom	ton Coa	
ravit	y of Liqui	d Hydro	carbons			deg.		Speci	fic Gravi	ty_Flowin	ng Fluid	
C	5.866		(1-e	-5)	0.12	<u> </u>	-	P _c 1	067.2	P ²	1138.9	
	X	Pt ²			(F c) ²		2	2.0	$P_c^2 - P_w^2$			
	Pt (psia)	^r t	F _c Q		(F _c Q) ²	(1	$\left(\frac{c^{Q}}{c^{e^{-s}}}\right)^{2}$	P _w 2	^r c ^{-r} w	Cal. Pw	Pc	
	944.2 134.2	972. 840.		7	725.2	- 37		1000.9	129-7	1000-1	9-2 9236	
	579.2 706 0	738.			1135.7	143.		881.3	257.6	934.4		
+• 5•	795.2	632.			1539.8	196		896.3	312.6		0.85.5:15	
bsol	ute Porent	ial:	24,200			MCFPD;	n	2000 16	10			
COMPA	NY	Scelly	611 60					······································	·····			
	and TITLE		Habbe	E.A			··	Dist.	Sunt			
OMPA	SSED		Nene_									
	13.2											

REMARKS This test had year point alignment, so a slope of 1.0 was drawn through the point representing the highest flow rate.

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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.

A.M.

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_w). MCF/da. @ 15.025 psia and 60° F.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- 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
- P_{f} Meter pressure, psia.
- hw= Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft_ Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n _ Slope of back pressure curve.

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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_+ .