NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122 Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Format	ion_	everd	•	Cour	ity	Sam	Jean	
	Sp	ecial		Date	of T	e st _	6-11-58	
Den's	Lease_	Cul	poppor-itar	tin	_Well	No	9	
32-E	_Rge1	l-W	Purchaser	Souther	ra Uni	on O	м Сомраву	
5.012	_Set at_	905	Perf	4566	T	°	4891	
1.995	_Set at_	769	Perf.	758	T	°	1768	
L_L	4758	_ x G	0.670 =G	L_3188	B	ar.Pr	ess. 12	

Poo]	Blanco]	Formation	Messy	erde		_County	San J	
Init	ial <u>X</u>	A	nnual		Spec	ial		_Date of	Test	6-11-58
Comp	oany Aste	e 011 & 0	as Compa	W.	Lease	Culpopp	or-Martin	Wel	l No	9
Unit	. <u> </u>	Sec. <u>30</u>	Twp. 32	-I Rg	e. <u>12-W</u>	Purc	chaser_ S	arthera Us	ion Ons	Company
Casi	ng 5 1/2 V	vt	I.D 5	.012 Se	t at 490	5 Pe	erf 45	<u> </u>	То	4821
Tubi	ng 2 1/8	Vt. 4.7	_I.D1	. 995 _Se	t at 476	9 Pe	erf. 4758		To	768
Gas	Pay: From	1565 T	<u> </u>	L	758 x	G 0.67		11.88	Bar.Pres	ss. <u>12</u>
Prod	lucing Thru:	: Casin	g	Tu	bing	X	Type We	ll Sing	io C	O Dual
Date	of Complet	ion: 6-	4-58	Packe	r Hone) 2TI	Reservo	oir Temp.	190 4	ogrees ?.
					OBSERV.	ED DATA				
Test	ed Through	(Prover	(Choke	(Meter)				Type Tap	s	
		Flor	w Data			Tuhine	Data	Casing D	ata i	
	(Prover)	(Choke		Diff.	Temp.		Temp.	Press.		Duration
No.	(Line)	(Orifice	e)		-				!!!	of Flow
	Size	Size	psig	g h _w	°F•	psig	°F.	psig	[⊃] F•	Hr.
SI						1068	60	1060	60	7 days
1.		0.75	0 301		60	301	60	660	60	3.bri.
2. 3.		 					 			
		Í				 	 			
4. 5.										
					FLOW CAL					0.73
N-	Coeffici	ŀ	1							Rate of Flow
No.	(24-Hou	ır) /	h _w p _f	psia	Fac F		Factor F _g	Fpv		15.025 psia
1.	30 26	•		212	1.000	YO	0.963		037	3797
1. 2. 3. 4.		,		313			.,.,			
3.					 					
4.										
	iquid Hydro ty of Liqui	ld Hydroca			cf/bbldeg.	ALCUI ATI	Speci	fic Gravi	ty Flow:	
	$P_{\mathbf{W}}$	-2		(= -)2		- >2	- ^.	-2 -2		
No.	Pt (psia)	Pt ²	F _c Q	(F _c Q) ²	(F)	cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Cal P.	I N
1 • ↓	313	97.969	35.699	1874419	258.	216	356.185	797.291	596.	8
1. 2. 3. 4.										
4.										
5.]										
Abso	lute Potent	cial:	9009		MCFPD;	n	0.75			
COMP	ANY			PARY					and the same of th	
ADDR		786. Pa	mineten.						PEHIP	
	T and TITLE			DBY L.M. S	TEVENS	Dietri	et Bagine	→ /01	1.FIV	
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REMARKS

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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.

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
- 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_{nv} 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 $P_{\mathbf{t}}$.

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