MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool		Blanc	0	F	ormation	Me	saverde		_County	10.0	Arrida	
Init	ial	х	Annu	al	-	Spec:	ial	<u> </u>	_Date of	Test	10-30- 5	8
Comp	any Magn	olia	Petrolev	ım Comp	any	Lease	Jicarill	a "F"	Wel	1 No	7 MV-LT	
Unit	, <u>M</u>	_Sec	24 Tw	p. 27	N Rg	e 3 ¥	Purc	haser	Pacific No	rthwes	it	
Casi	.ng 5#	_Wt	15# I	.D. <u>4.</u>	<u>408"</u> Se	t at 623	301 Pe:	rf. 56	145	To	60121	
Tubi	ng 2 3/8	Wt	4.7# I	.D. 1.	<i>99</i> 5 ™ Se	t at 601	Pe	rf		To	-	
Gas	Pay: From	n_564	5 ¹ _To	60121	_L_6	011 ! x	0.680(es	t) <u>-</u> GL	4087	Bar.Pre	ess. 12	psia
Prod	ucing Thr	u: C	Casing		Tu	bing	<u> </u>	Type We	11 <u> </u>	G. Du	al	
Date	of Comple	etion:	10-3	3 - 58	Packe	r <u>yes</u>	Sin _i	gle-Brade Reservo	enhead-G. oir Temp	G. or (G.O. Dua	al
						OBSERVI	ED DATA					
Test	ed Through	n <u>(</u> Pr	every (Choke)	(Meteo)				Type Tap	s		
			Flow Da	ata			Tubing	Data	Casing D		<u> </u>	
No.	(Prover (Line)		hoke)				Press.	·		_		uration of Flow
-	Size	_	Size	psig	h _w	°F.	psig	 	psig	 		Hr.
SI 1.	211	- _	.750#	189		57	158h 189	57		-	3 Hr	····
2.	2"	- "	.750"	109		31	107					
3.												
4. 5.				 	 			 	<u> </u>	 	 	
<i></i>	. —				L	L		<u> </u>	 			
						FLOW CAL						
N-	Coefficient			Pr	ressure	Flow Tact	Temp. Gravity tor Factor		Compress. Factor		Rate of Flow	
No.	(24-Hour) $\sqrt{h_w p_f}$			 De	psia		t	Fg	Fpv		@ 15.025 psia	
1.	12,3650		V -w		201	1.002		0.9393	1.022		2391	3
2.	12_3050		<u> </u>		701			<u> </u>				
3،												
4. 5.												
<u> </u>			- I		PR	ESSURE CA	ALCU ATI	ons				
as L	iquid Hyd:	rocarb	on Ratio	o		cf/bbl.			fic Gravi			
ravi	ty of Liqu	uid Hy	drocarb	ons		deg.		Speci	fic Gravi	ty Flor	wing Flu	uid <u>0.680</u>
c	9.402		()	1-e ⁻⁵)	0.257			Pc	1596	_ ^P c2	547-2	
_T	D XXX						2		2 2			
No.	Pt (psia		$P_t^2 \mid F$	cQ	$(F_cQ)^2$	(F)	cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	L .	al. P _w	P _w P _c
Ţ.	201		Dal 2	2.5	506.2			170.5	2376.7			
2. 3.					-				 	+		
4.	<u>_</u>											
5.										JAT!	14	
Abso	lute Pore	ntial:	251	7		MCFPD;	n <u>0.7</u>	5	/	ant		
COMP	ANY	MAGN	IOLTA PE	TROLEU						<u> </u>	1,020	
	ESS T and TIT	P. (Box 2	406, H	obbs, Ne	w Mexd.co		··	- -	NOT A	7 1ADO	<u></u>
	ESSED										<u> </u>	
COMF											· 57. 3	<i></i>
						DEM	ARKS					•

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_W). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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_R I Gravity correction factor.
- F_t 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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