MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool		.		Formation	Pietes	rol Cliff	<u>Po</u>	_County	See	June
Init	ial <u> </u>	Ar	nual		Spec	ial		_Date of	Test	5/13/60
Comp	party Aster	011 and (Das Com		Lease		LA.	Wel	1 No	17
Unit	. <u>B</u> S	ec <u>19</u> _	Twp	Rg_Rg	е. 🥦	Purc	haser			
Casi	ng: 27/8 W	t. 6.50	_I.D	5e	t at	Pe	rf.	9	То	2060
Tubi	ng;W	t	_I.D	S e	t at	Pe	rf		То	
Gas	Pay: From_	To	2060	L_	x	G 0.65		1313	Bar.Pre	ess 11
Prod	lucing Thru:	Casing	. x		bing	<u>. </u>	Type We	11	at.	مئي
Date	cf Complet	ion:	5/6/60	Packe	r	Sin	gle-Brade Reservo	enhead-G. oir Temp	G. or (G.O. Dual
2.	9 2107 2.3.3 40 9				OBSERV					
	ed Through		(Choke) (*****)	E			Type Tap	s	
<u> </u>			Data	- Dicc		Tubing	Data	Casing D	ata	Duration
No.	(Line)	(Orifice)	s. Diff.	ļ				1	of Flow
SI	Size	Size	psi	g h _w	o _F .	psig	F.	psig	F.	Hr. 8.1 7 days
1.		9.75						277	60	3 180.
2 . 3.									 	
2•							<u> </u>			
5.							L			
						CULATION				
No.				Fa		Temp. Gravity tor Factor		Factor		
	(24-Hou	r) _	h _w p _f	psia	F	t	$F_{\mathbf{g}}$	Fpv		@ 15.025 psia
1.	12.365			271	1,600		0.9685	1.03		3339
2 . 3.								_		
4.										
5.									L	
				PR	ESSURE C	ALCULATI	ONS			
as L	iquid Hydro	carbon Ra	tio		cf/bbl.		Speci	fic Gravi	ty Sepa	arator Gas
ravi	ty of Liqui	d Hydroca	rbons_		deg.		Speci	fic Gravi	ty Flow	ving Fluid
c			_(1-6 -				- c	<u> </u>	' C	
Т	F _w	2 1				.2		2 2		
No.	Ft (psia)	Pt Pt	$F_{\mathbf{c}}^{\mathbf{Q}}$	$(F_cQ)^2$	(F	$\left(\frac{c^{Q}}{c^{-s}}\right)^{2}$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$		Pw Pc
1.	rt (psia)	73.44	15,425	19.34		Ma	10-110	36.40		W
2.									-	
3. 4.				 						
5.										
	lute Potent	ial:			MCFPD;	n	0.85			
COMP		Mark.	rd. Sept Ingelige		tordee_					
AGEN	T and TITLE	ORIGINA	L SIGNED				Les H	. Storens	Mate	Ingineer
	ESSED_ ANY									
					REM	ARKS	/0	TI IT		
							/ (\)	711/2/17	1	

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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 T Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- 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
- Pf Meter pressure, psia.
- $h_{\mathbf{W}}^{\perp}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.

STATE OF NEW MEXICO								
OIL CONSERVATION COMPASSION								
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GARS. CET B OIL								
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