1-EF (Lou Calloway) MEXICO OIL CONSERVATION COMMISSION 1-File

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	1	ios t		F	ormation	Dako	<u>ta</u>		_County_	Sen Jr	AR.	
Ini	tial X		Annu	al		Spec	ial	·	_Date of	Test_	-8-5	8
Com	pany	ifera &	Markh	AR		Lease	Redfern		Wel	l No		
Uni	t <u>1</u>	_Sec	16 Tw	p	Rg_Rg	e. 11W	Purc	haser				
Cas	ing_ 5}	Wt1	5.5 I	.D	Se	t at <u>62</u>	66 Pe	rf. <u>619</u>	6	To_60	113	
Tub	ing 2-3/9	Wt	4.7 I	.D	Se	t at	Pe	rf		To		
Gas	Pay: From	m	To		L	x	G 0.650			Bar.Pr	ess.	
Pro	ducing Thr	u: Ca	sing		Tu	bing	I	Type We	ll <u>stn</u>	ele		
Dat	e of Compl	etion:_	8-31	-58	Packe	r	Sin	gle-Brade Reservo	enhead-G. oir Temp.	G. or (G.O.	Dual
							ED DATA					
Tes	ted Through	h <u>(B</u> -	er) (Choke)	(Mahar)				Type Tap	s		
			Flow D				Tubing		Casing D)ata	Ī	
No.		(Ori	fice)		. Diff.	j		Temp.	ł	1	1	Duration of Flow
SI	Size	S	ize	psig	h _w	° _F .	psig	F.	psig	F•	ļ	Hr.
1.		3/	4.0	366		81	1958		2112			bys
2 . 3•					 					 		
4.												
5.	·				<u> </u>	L		<u></u> _		<u> </u>	<u> </u>	
	Coeffic	rient	1	T D			CULATION		Compre		Rate	of Flow
No.					ŀ	Fac	tor	Factor	Facto	r	Q-1	(CFPD
-, 	(24-He	our)	√ h _w	p _f	psia	F	t	Fg	Fpv		@ 15	.025 psia
2.												
1. 2. 3. 4. 5.	12.3690	<u></u>			76	9604-		-9608	1.0	96	_45	70
5.												
					PR	ESSURE C	ALCU ATI	ons				
	Liquid Hydi					cf/bbl.			fic Gravi			
	ity of Liqu	=	/.	ons 1-e ⁻⁵)		deg.		Speci P.	fic Gravi	ty Flow	wing	Fluid
C								* C	-	C _	344	
7	$P_{\mathbf{w}}$		<u>, T</u>				. 2		2 2			
No.	Pt (psia)	P.	t F	c ^Q	$(F_cQ)^2$	(F,	$\frac{c^{Q}}{e^{-s}}$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	1	al.	P _W P _C
1. 2.	- U (P										W	
3.	1000							3384	3327			1.356
3. 4. 5.										-	_	
	olute Poter	itial:		5918		MCFPD:	n .45	1.295	<u> </u>			
COM	PANY	dlam l	36.44						·			
AGE	RESS NT and TITE	E 1747,	-Hidle A. Die	nd, Te	ngulting	Enginee	•					
MIXI	NESSED PANY							· · · · · · · · · · · · · · · · · · ·	<u> </u>		<u></u>	
						REM	ARKS	1	THEUL	11[]	1	
								(SEP1	6 1958)	
								1	OIL CON	. COM.	./	
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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_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
- Pf Meter pressure, psia.
- hw- Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_{t} Flowing temperature correction factor.
- Fpv 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 $P_{\mathbf{t}}$.

1-Redferm
1-Recae
1-EF (Low Galloway)
1-File
VAL R. REESE & ASSOCIATES, INC.

				Company Redfern & Berd			
				Lease_	ledform	Well No.	4
				Date of	Test	18	
Shut in Pressure (F	SIG): Tubi	ng 1953	Casing_	2112	_S.I. Peri	od 8	Days
Size Blow Nipple	3/4" 10	Choke					
Flow Through	Thg		Worki	ng P ress	ures From	Cag	
Time Hours Minutes P	Cheke ressure	Q (M 15.025 PS	CFD) IA & 60 F	WOR	Worki sure (PSIC	_	<u>ıp</u>
20°	148				1422		5
1 br	127				1210		8
	396 380				1155		9
2 1	372				1088	8	0
_1	366	••••			1076		1
Start At 2:00 P.X			End T	est At			
Remarks: 5 min			istilla te				
1-2	bre sprey	of fluid					
2-)	bre small	alugs of fl	Da.			,	
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			Teste	d By:	. A. Dugan	· · · · · · · · · · · · · · · · · · ·	
,	•		Witne	ss:			

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State Land Office		
U. S. G. S.		
Transporter		
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