3 NMOCC 2 Occidental 1 NWP 1 Reese 1 File

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

Pool	1 2110		1Ce	Fo	rmation	. Mesa	. Verde		County	Rio Ar	riba	
				Special								
											2-27	
											ipeline Corp.	
	ing 5-1/2 * V											
											ended	
Gas Pay: From To L 6110 xG .700 -GL 4277 Bar. Press												
Prod	ducing Thru:	: Cas	ing		Tu	bing	X	Type We	11 G. G	. Dual		
Date	e of Complet	tion:_]	12-10-	58	Packe	r <u>611</u>			enhead-G. (oir Temp		.0. Dual	
		٠				OBSERVI	ED DATA					
Test	Tested Through (Choke) (Choke) (Year) Type Taps											
		F	low Da	ita		 1	Tubing	Data	Casing Da	ata		
No.	(Prover) (Line)	(Cho	ke)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow	
INO	Size	Si	ze ze	Press. psig	h _w	°F.	psig	°F,	psig	[⊃] F•	Hr.	
SI							1169		990			
1. 2.												
3. [3/4	1				59	50	995		3 hrs.	
<u>4.</u> 5.		ļ									· · · · · · · · · · · · · · · · · · ·	
		· <u> </u>				77.071.041	TITLA MITON	G				
	Coefficient			Pr	FLOW CALCULATION Pressure Flow Temp.						Rate of Flow	
No.		\				Factor		Factor	Factor		Q-MCFPD @ 15.025 psia	
1.	$(24-Hour) - \sqrt{h_{W}p_{f}}$		f	psia		t	rg_	- Pv				
2.	12.3650				71	1,0098	3	.9258	1.00		821	
3 _e												
4. 5.												
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratiocf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbonsdeg. Specific Gravity Flowing Fluid Fc9402(l-e^-s)267P_c1181P_c^21395												
\prod	$P_{\mathbf{W}}$	₋₂	T		(n.o.)2	(n	0)2	D 0	Pc-Pw	Co	n D	
No.	Pt (psia)	Pt ²		,Q	$(F_cQ)^2$		c ^{Q)²} -e ^{-s})	P _w 2		Ca.	w P _C	
1. 2. 3. 4. 5.		5.04		.72	59.6	15.9	<i>7</i> 0	21	1374		1.015	
3.			<u> </u>									
4. 5.												
Absolute Potential: 830 MCFPD; n .75 1.011 COMPANY Val R. Reese & Associates, Inc. ADDRESS 120 South Commercial, Farmington, New Mexico AGENT and TITLE T. A. Dugan, Consulting Engineer Original signed by T. A. Dugan WITNESSED COMPANY REMARKS												
						L COLUMN AND	-		(2)	FINF!		

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
- PwI 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.
- Fg 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 $P_{\mathbf{t}}$.

OIL CONSERVATION COMMISSION							
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U. S. G. S.	/						
Transporter							
File	/	L					

VAL R. REESE & ASSOCIATES, INC.

			(Compan	y Occidental	Petroleum Co	orp.
				Lease_	<u>r</u>	Well No2_	27_
	M.V. P.C.	1169	:	Date of	Test 12-23-5	8	
Shut in P ressure	(PSIG): Tubi	ng 990	Casing_	990	_S.I. Period	13I	Days
Size Blow Nipple	3/4" T.	c.			-		
Flow Through	Tbg.		Workin	g Press	ures From I	.C. Tbg.	
Time Hours Minutes	M.V. CHOKE Pressure		(MCFD) PSIA & 60 F		. S. I. head Working sure (PS IG)	: Temp	
	-24						
<u>15</u> 30	<u>398</u> 236				994 996	<u>46</u> 46	
	198				997	<u> 47</u>	
1 00	164				998	49	
2 00	<u>77</u>		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		995	50	
3 00					995		

Start At 10:1	5 A.M.		End Te	st At	1:15 P.M.		
Remarks:	15 min 3	O min.	Making heavy	spray o	il		
	30 min 1				il plus slugs	of oil	
	1:10 - end	of test	Heavy spray	of oil			
			Tested	By: <u>T</u>	. A. Dugan		
			Witness	s: J	. M. Newman		