Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poo:	1 Tapac	ito Ext.	Fc	rmation_	Pictu	red Cliff	?s	_County_	Rio A	rriba	
Init	tialX	An	nual		Spec	ial		Date of.	Test	12-30	-58
Comp	pany <u>Occide</u>	ntal Petro	leum Cor	pL	ease	B		We]	Ll No	2-27	<u>, </u>
Unit	t <u>X</u> s	Sec27	Iwp. 26	N Rge	3W	Purc	haser Pa	cific Nor	thwest	Pipe.	line Corp.
Casi	ing 7-5/8 "W	t. 26.40	_I.D	Set	at 42	06 Pe:	rf. 405	6	To 3	9 94	
Tub:	ing 2-3/8 *W	t. 4.7	I.D.	Set	at 3 '	961 Pe	rf. 396	1	To3	957	
Gas	Pay: From_	4056 To	3994	L	x	G 0.60			Bar.Pr	ess	
Prod	ducing Thru:	Casing		Tub	ing	X	Type We	11 G. C	. Dual		
•	e of Complet					Sin	gle-Brade	nhead-G.	G. or	G•0• 1	Dual
						ED DATA					
Test	ted Through	(PELFED)	(Choke)	(TEXEX)				Type Tap	os		
			Data			Tubing		Casing I		T -	
No.	(Line)	(Choke) (Orifice)		-			Press.		1	Duration of Flow
SI	Size	Size	psig	h _w	°F.	psig 1000	F.	psig 1000	°F∙		Hr.
1. 2.								1000		#	
3. 4.		3/4*				27	52	64			hrs.
5.										1	
				F	LOW CAL	CULATION	S				
No.	Coefficient (24-Hour) √ h _w p _f			Pressure		tor	Gravity Factor Fg	Factor		Rate of Flow Q-MCFPD @ 15.025 psia	
1.	12.3650			39		1.0078		1,000 1.0			485
1. 2. 3. 4. 5.											
5.											
PRESSURE CALCULATIONS Sas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Fravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid C (1-e^{-s}) P_C 1012 P_C											
No.	P _w Pt (psia)	Pt ²	F _c Q	$(F_cQ)^2$	(F (1	c ^{Q)²} -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	С	al. Pw	P _w Pc
1. 2.	76						5.78	1018.3	2		1.0058
3. 4.											
4. 5.											
COMP ADDF AGEN WITN COMP		1 R. Reese		iates, I	ington, ting En	New Mex	1.004 Leo Origina	93ai signed i	OFF	Duga	
								/	1/rnr	1 4 Pr	

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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- Pc= 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
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pr Meter pressure, psia.
- hw- Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- F_{t} Flowing temperature correction factor.
- F_{pv} 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							
AZTEC DISTRICT OFFICE							
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DISTRIBUTION							
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U. S. G. S.	/						
Transporter							
File							
and designations		-					

VAL R. REESE & ASSOCIATES, INC.

				Compan	y Occidental	Petroleum	Corp.	
				Lease_	E	_Well No	2-27	
			Date of	Test 12-30) 58	-58		
M. V. 1147 Shut in Pressure (P.(PSIG): Tubi		P.C. _Casing_	1000	_S.I. Perio	d 20	_Days	
Size Blow Nipple_	3/4" T.C	•			Est. Cv.	0.600		
Flow Through	TBG. 2"		Worki	ng P ress	ures From_	csg.		
Time	n	Q (M	CFD) o		head Workin	-		
Hours Minutes	Pressure	15.025 PS	IA & bu F	Pres	sure (PSIG	<u>Temp</u>	•	
15	295	1147		 	495			
30	160	1147			312 185	48		
1 00	104 70	1149 1150			120	- 40 50	,, ,,	
2 00	30	1150			70	- 51		
3 00	27	1150			64	52		
						-		
			 -					
Start At 11:50	A.M.		End Te	est At_	2:50 P.M.			
Town	June thannah	aut tast						
Remarks: Very	dry through	out test						
								
							 	
								
				,		<u> </u>		
			Tested	l By:	T. A. Dugan			
			Witnes	ss:	C. Werner			
					E. Delaney			