MM OCC - 3

C.B. Aikman - 1

PACIFIC NORTHWEST PIPELINE CORPORATION Geo. Peppin - 1 L. G. Truby - 1 File - 1

DRILLING DEPARTMENT

			COMPA	NY Nort	thwest P	roduction	Corporation
			LEASE	30-	12	WELL NO.	3-10
			DATE	OF TEST_	1-7-57		
SHUT IN PRESSURE			CASING 643	S.I. P	ERIOD	9	DAYS
SIZE BLOW NIPPLE	3/4" B. M.	Choke	and the state of t				
FLOW THROUGH_	Tubing			WORKIN	G PRESSU	RES FROM_	Casing
TIME HOURS MINUTES	PRESSURE	Q (N 15.025 E	ncfd) Psia & 60°f		D WORKIN E (PSIG)	G —	TEMP
34.5	373			55 			53 - 53
41.5	369 366			54 53	8		-53 - 52
1 00 12	361 357			- 53	3		-54-
26.5	354			52 51	.5	-	-53 -53
2 05 30	344 339	parent of the Same or considerate for the same of		50 49			-53 -54
3 00	334			46	3		-54
							
START TEST AT	9:00 AM		END TE	ST AT	12 Noon		
REMARKS:			_				
					·	· · · · · · · · · · · · · · · · · · ·	
				· · · · · · · · · · · · · · · · · · ·	······································		· · · · · · · · · · · · · · · · · · ·
			TESTI	ED BY	D. C. A	dams	

AM OCC - 3
C. E. Aikman - 1
Geo. Peppin - 1
L. G. Truby - 1
File - 1

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Form C-122

	File - I			II-IOINI E						
Poo	l Wilder	<u>it</u>		_Formation	1	Fruitlan	<u>d</u>	County_	San J	um
Ini	tial_XX		Annual		Spec	cial		Date of	Test_	1-7-57
Com	pany Northw	st Produ	ction Co	rp.	Lease	30-12		We	11 No	3-10
	t <u>ur</u> n									
	ing 51." V	144	t							<u> </u>
	ing <u>2-3/8"</u> V									
					*	-				
										ess. 12 pais
	ducing Thru:					חוה	gle-Brad	ennead⊸i.	it. Or i	i.O. Dia
Date		ion: 1	<u>2-28-56</u>	Packe	r		Reserv	oir Temp.		
- 1	7 3 0				OBSERV	ED DATA				
Test	ed Through	(Ptb#et	(Choke	<u>(Métét)</u>				Type Tap	os	
		Flo	w Data			Tubing	Data	Casing I)ata	
No.	(Line)	(Choke	e)	s. Diff.			İ	Press.	Temp.	Duration of Flow
SI	Size	Size	psi	g h _w	°F.	psig	°F.	psig	[⊃] F•	Hr.
1.1		3/4" (BM	334		54	642 334	54	643 483	 	Short in
2. 3.										
4. 5.									 	
<u> </u>		<u> </u>						L		
\Box	Coeffici	ent				CULATIONS Cemp.		Compre	ss.	Rate of Flow
No.	(24-Hou	r) ¬/		psia	Fact F _t	tor	Factor	Facto	r	Q-MCFPD @ 15.025 psia
1.	14.1605		Mr. T	346	1.005		F _g	F _{pv}		4915
2 . 3.					·					
4. 5.										
					ecimp d	CCUE AMTC	and			
0 0 T			. •			LLCUT ATI C				
ravi	iquid Hydrod ty of Liquid	arbon ka 1 Hydroca	rbons_		cf/bbl. deg.			fic Gravi fic Gravi		rator Gas ing Fluid_
c			_(1-e ^{-s}])			Pc	643	P _c 413	,449
- T	P _w			T	1					
No.	" V{ (\$&1&}	Pt ²	F_c^Q	$(F_cQ)^2$	(Fc	Q) ² e ^{-s})	P_w^2	$P_c^2 - P_w^2$	Ca	
	497						47,009	166,440	P.	w P _C 2.4841
2. 3.			ERVATH	SONS SEES						
5.	3.7	130 107	11 <u>21 31 3</u> 1 NG 13 33 71 1						+	
	Lute Potenti	, , 		The second secon	MCFPD:	n -85/2-	167		<u> </u>	
COMPA ADDRI	INY	Ifie Nor	thwest !	ipeline C	otp.					
AGENT	r and TITLE ESSED	Donald C	Adame	- Well to	Engin	eer				
COMPA			: 3	-1 Q 150564 A					14	297
		and the second second	and the second s	Chest Me	REMA	RKS		1	n. 12h	
	A PARTIE OF THE	in the sin management of the		BBE MARKET F					Cn.	(10)
	بعدد (مع موسی ری) (د	ما المعامل الم		1986					(C)	CON
	المعد أحيد	riggs			تعربي				The same of	

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.
- 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
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- P_{f} Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}\mbox{\scriptsize I}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If P_{w} cannot be taken because of manner of completion or condition of well, then P_{w} must be calculated by adding the pressure drop due to friction within the flow string to P_{t} .

OIL CONSERVA	TION COMMIS	SSION				
AZTEC DISTRICT OFFICE						
No. Copies Received						
D:STR:BUTION						
	NO. FURNISHED					
Operator						
Santa Fe						
Proration Office						
State Land Office						
U. S. G. S.	1					
Transporter						
File	1					