PACIFIC NORTHWEST PIPELINE CORPORATION

DRILLING DEPARTMENT

				COMPAI	VYNorth	west Pro	oduction Co	rp.
				LEASE	11 Z 11		_WELL NO	2-33
					OF TEST			
SHUT IN PRESSURE SIZE BLOW NIPPLE		1197	_CASING	979	_S.I. PE	RIOD_	7	DAYS
FLOW THROUGH_	Casing				 working	PRESSUE	RES FROM	Tubing
TIME HOURS MINUTES	PRESSURE	Q (! 15.025 1	MCFD) PSIA &	60°F	WELLHEAD PRESSURE			TEMP
15 30	362 		-,		119	8	-	50 51
					120 120	0	-	52 52 53
2 30	186 180 170				120 120	1	- - -	55
							- -	58
							- -	***********
START TEST AT	10:00 am			END TE	ST AT	1:00	pen .	.,
REMARKS:						· · · · · · · · · · · · · · · · · · ·		<u></u>
						· · · · · · · · · · · · · · · · · · ·		
					(1 · · · · · · · · · · · · · · · · · · ·		/arti	M
								ALD
							OIL CON.	COM
					<u> </u>		DIST.	3
				TESTE	D BY	C. R. W	agner	

NMOCC-3 Geo Peppin-1 L. G. Truby - 1 File-1

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

ool	Tag	acito	Fc	rmation	Pictu	red Cliff	is	_County	Rio Ar	riba
nitia	ol							_Date of	Test	3-13-57
mpa	ny Horthan	est Product	ion Co	rp. I		11 gH		Wel	1 No	2-33
		ec. 33 Tw								
		. <u>20</u> I								
										ss. 12
odu	cing Thru:	Casing_		Tur	on.ng,	Sing	lype we gle-Brade	nhead-G.	G. or G	.O. Dual
ate	of Complet:	ion: 2-23	-57	Packer	Tes -	3/02-	Reservo	ir Temp		
					OBSERV	ED DATA				
ste	d Through	(Profes)	Choke)	(Meter)	1			Type Tap)S	
		Flow D				Tubing		Casing I	ata	Duration
٥.	(Prover)	(Choke) (Pt1114)/	Press	Diff.			Temp.			of Flow
	Size	Size	psig	h _w	° _F .		°F.	psig	°F∙	Hr.
I						1197		979		SI
•						1201		170	58	3 hour
		3/4	170		58	1401				
,						L	1	L		<u> </u>
	Cooffici	ent	- P	ressure	Flow	CULATION Temp.	Gravity	Compre		Rate of Flow
Coefficient			Fac		tor Factor		Factor		Q-MCFPD @ 15.025 psia	
_	(24-Hou	$r)$ $\sqrt{h_v}$	w ^p f	psia		<u>t</u>	rg_	1 pv		
c				182	1.00	770	.9608	1.	018	2,526
•	14.1605			102						
<u>.</u>				l						
				PR	ESSURE C	CALCUTATI				
s Li	iquid Hydro	carbon Rat	io		cf/bbl.	•	Snac	ific Grav	ity Flo	arator Gas wing Fluid
avıt	y or Liqui	d Hydrocar	(1-e ^{-s})	.17	5	'	P _c _9	91	Pc	982081
0.	$P_{\mathbf{w}}$	Pt ²	F _c Q	(F _c Q) ²	2 (1	F _c Q) ² L-e ^{-s})	P_{w}^{2}	$P_c^2 - P_w^2$. С	al. Pw P. Pc
	Pt (psia)	-t	-c*	(- 64)	(L-e-s)		ļ		P _w P _c
2.								010 515		1.04
	182	33124	1334	1780		312	33536	948.545		1 4.0V7
								<u> </u>	L	
bso	lute Potent	tial:	2,6	12	MCFPD	; n <u>.85/1</u>	.0339			
DDR	ESS	OS Host B	zoodve)	. Farmir	gton, K	m Mexico)			
AGEN VITN	T and TITL ESSED	C. R.	Hagner,	Well To	et Ingli	1961				
	ANY				RE	MARKS			ATT	TIVEN
									は孔口	1 8 1957
										N. COM,
								•	10	ST. 3

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_W). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- $h_{\mathbf{W}}^{-}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n _ 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 CONSERVA	TION COMMI	SSION						
No. Copies Received 3								
DISTRIBUTION								
1 Marks	EM HED							
Samoa re	-							
Figration Office								
State Land Oilice								
9 G. S.	,							
Transporter								
Pile		3 						
The state of the s	Tomorrow (-						