NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Blanco			F0	ormation	Hesav	erde		_County	Rio	Arr il	14
Initial Annual Annual					Special				Date of Test_6-21-57			
Comp	pany Northwa	est Pro	ducti	on Cor	p.	Lease	"E"		Wel	l No	14	-10
Unit	. A s	ec. 10	qwI <u>`</u>	26N	Rge	. 3W	Purc	haser	Not conn	ected 377		
Casi	ing 54 W	t.15.5	I.	D	Set	t at6	042 Pe	rf. 5466		To 597	9	
Tubi	ing 2-3/8 W	t. 4.7	I.	D	Set	at 5908	-3850 Pe	rf. 5908		To 59	06	
Gas	Pay: From_	5466	To_5	979	L_ 589)8x	G .670		3952	Bar.Pre	88	
Proc	ducing Thru:	Casi	ng		Tul	oing X		Type We	11 Du	a1 - G-	G	
Date	ducing Thru:	ion: _6	-15-5	7	Packer	r536	Sin	gle-Brade Reservo	enhead-G. oir Temp	G. or G	-0.)ual
							ED DATA					
Test	ced Through	/ <u>{tkbble</u>	<u>k) (c</u>	hoke)	(Neter)				Type Tap	s		
			ow Da				Tubing		Casing D	ata	<u> </u>	D
No.	(Prover) (Line)	(Chok (Orifi		Press.	Diff.	-		Temp.	Press.	i		Duration of Flow
/ <u></u>	Size			psig	h _w	°F.	psig	°F.	psig	°F•		Hr.
SI l.							1701	 	914		81	
1. 2. 3.		3/4"					443	70	926		3 hr	
<u>3.</u>		1			 			 			-	
4. 5.					<u> </u>							
No.	FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow Factor Factor Q-MCFPD											
	(24-Hou	r) 7	h _w p	f	psia				Fpv			.025 psia
1. 2. 3. 4.	12,36	50	,	4	35	.9905		. 9463	1.048		5520	<u> </u>
<u>3</u> .												
5.												
as I	Liquid Hydro ity of Liqui 9.4	d Hydro	carbo			cf/bbldeg.		Speci Speci	ific Gravi ific Gravi 1713	ty Flow	ving !	Fluid
No.	P _w Pt (psia)	$P_{\mathbf{t}}^2$	Fc	Q	$(F_cQ)^2$	(F (1	(cQ) ² (-e ^{-s})	P _w 2	$P_c^2-P_w^2$		al.	Pw Pc
1. 2.	455	207	51.9	5 2	699	675		882	2052		_	.4304
3.]			+-		*					 	$-\frac{1}{1}$	
4. 5.					,						二上	
Abso	olute Potent PANY RESS	ial:	7228			MCFPD;	n75		ST PIPELINE		TION	
AGE	NT and TITLE				l Test 1	ingineer		_	Vest Broadwa ton, New Mex		ALI	IM
		mery C.	Arno	14				i arming	CON, NEW MIC	100		11(1)
COM	I AIVI	<u> </u>			 	REM	ARKS				UL 5	1957
						ĝ	i			OH	CON DIS	I. COM.

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 600 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
- P_t 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.
- F_{pv} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.

OIL CONSERVATION COMMISSION						
AZTEC DISTRICT OFFICE						
No. Copies Received						
DISTRIBUTION						
	NO. FUPNISHED					
Operator		_				
Santa Fe	1.					
Proration Office						
State Land Office		i i				
U. S. G. S.	/					
Transporter						
File		المستعد				

DRILLING DEPARTMENT

				COMPANY	PANY Morthwest Production Corp.			
				LEASE _	"E"	WELL NO.14-10		
				DATE OF	TEST 6-21-57			
			_ CASING _			DAY		
SIZE BLOW NIPPLE			· · · · · · · · · · · · · · · · · · ·					
FLOW THROUGH	2" tbg - MV			ORKING PE	RESSURES FROM	ig - PC		
TIME HOURS MINUTES	CHOKE PRESSURE	Q (M 15.025 P	CFD) SIA & 60°F	WELLIIE PRESSU	AAD WORKING JRE (PSIG)	TEMP		
	1005		· · · · · · · · · · · · · · · · · · ·		924			
<u>30</u> 45	807 637				925 925	69		
1 0	592				925 925	69		
3 0	<u>481</u> 443				926	<u> 69</u> 70		
								
START AT:	11:52 at		E)	JD TEST AT	2:52 pm			
REMARKS:								
REPARKS.	VELY ILEA	vy rog or	ngo cura oc	it test.	PARCE SOME UII.			

			·		· /			
				TESTED BY	: C. R. Wagner			
				WITNESS:	E. C. Amnold,	NM OCC		