1-Bill Parrish EPNG

1-Ed Oberly

i-Carr

1-D 1-F

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

	- -		М	ULTI-	POINT BA	ACK PRES	SURE TES	T FOR GAS	WELLS]	Revis	ed 12-1-55	
Pool	Basin Da	kota		Fo	rmation	Da	kota		_County	San Ju	ıan		
Init	ialX_		Annual			Spec	ial		_Date of '	rest	1/2/6	,1	
Comp	any Southw	est Pro	oductio	n Com	pany I	Lease	Glenn S	wire	Well	l No	1		
	N Se												
Casing 41 Wt. 10.50 I.D. 4.040 Set at 6687 Perf. 6572-6618 To 6474-6496 Tubing 2" Wt. 4.70 I.D. 1.995 Set at 6606 Perf. Open To end													
	Pay: From_												
Producing Thru: Casing Tubing X Type Well Single Gas Single-Bradenhead-G. G. or G.O. Dual Date of Completion: Packer Reservoir Temp.												ual	
Date	of Complet:	ion:			Packer			neservo	Tr .amb.				
							ED DATA			_			
Test	Tested Through (FXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX									Type Taps			
	(Prover)	(Chol	low Dat ke) P	a ress.	Diff.	Temp.		Data Temp.	Casing D	Temp.	1	Duration	
No.		(Orif:	ice)	psig		o _F .	l .	o _F ,	psig	oF.		of Flow Hr.	
SI					W		2380		2380			7 day	
1. 2.		3/4		310		75	310	75	1195			3 hr.	
3. 4.													
5.											L		
FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of I												of Flow	
No.	Coefficient			Pressure		Flow Temp. Factor		Factor Factor		r Q-MCFPD			
$\frac{1}{1}$	(24-Hou 12.3650	r)	√ h _w p _f	psia 322		Ft •9859		.9463	F _{pv}		3.834		
1. 2.	12.3050												
3. 4. 5.													
5.1		1											
							CALCUIAT]					0	
Gas I Gravi	Liquid Hydro ity of Liqui	carbon d Hydr	ocarbor	าร		cf/bbl.deg	•	Speci	fic Gravi fic Gravi	ty Flo	wing 1	Fluid	
			(1-	-e ^{-s})			-	•	2392	_Pc			
								PW			1400.	<u> </u>	
No.	P _w	$P_{\mathbf{t}}^{2}$	Fc	1	$(F_cQ)^2$: [($F_cQ)^2$ $1-e^{-s}$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	C	al. Pw	$\frac{P_{\mathbf{w}}}{P_{\mathbf{C}}}$	
1.	Pt (psia)		_			(-		1456.8	4264.8	<u> </u>	* W	.504	
2 . 3.													
4.													
5.	olute Potent	301.	A 77'	-		MCFPD	; n	-75	<u> </u>				
COM	PANY Sou	thwest	Produ	ction	Company								
ADDI AGEI	RESS 207 NT and TITLE	Petr. Geo	Club Porge L.	laza Hoffi	Farming man. Pro	<u>gton, N.</u> oduction	M. Enginee	r	ZIF	LEVZ.	$\overline{}$		
AGENT and TITLE George L. Hoffman, Production Engineer WITNESSED									KINN	7 66	+		
COM	PANY					RE	MARKS		DEC 1	<u> 1961</u>			
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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 T 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. 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
- 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.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.