NEW MEXICO OIL CONSERVATION COMMISSION

ELVIS A G

MAIN OFFICE OCC HOBBS OFFICE OCC

Form C-122

Revised 12-1-55 SHELTI-POINT BACK PRESSURE TEST FOR GAS WELLS S: QSG OCT 10 PM 3:06

Pool	Sun	ont		Fc	rmation	<u> </u>	OR .		County_	108			
Initial			Annual			Spec	ial		Date of Test_ 8-20 to 8-24-56				
Compa	any El	Paso M	atural	Gas Con	bena	Lease	Shell 8	tate	We:	ll No	5		
Unit	L	_Sec	2 Tw	p. 2 3	. 8 Rg	e. 36	Purc	haser	Il Pago B	atural (Gas Com	party.	
													
												3.2	
										_			
rrodu	cing inr		asing		ru	onng	Sin	rype we gle-Brade	ell Sin enhead-G.	G. or	G.O. Du	al	
Date	of Comple	etion:	7-26	-54	Packe			Reservo	oir Temp.				
						OBSERV	ED DATA						
Teste	d Through	n (P			(Meter)				Type Tap	ps	lenge		
			Flow D	ata			Tubing	Data	Casing	Data	T		
	(Bases				Diff.	Temp.	Press.		Press.		ים ל	uration	
No.	(Line) Size	(Ori	ifice)	psig		o _F .	psig		psig			of Flow Hr.	
SI	0120			pare		r •	864		864	1		72	
1.	¥#	1	.250	577	8.24	68	774		745			24	
2.	411		250	566	6.99	-68	737		759			24	
3.	<u> </u>		250	572	5.05	69	778		790			<u> </u>	
4. 5.	<u> </u>	1	.250	570	3.5		808		80.4		 	<u>u</u>	
No.	Coefficient		7/h.:			Fact		Gravity Factor	Facto	or	Rate of Flow Q-MCFPD @ 15.025 psia		
1.					, , ,	000/	-	<u> </u>	1.062		1,905		
2.	9.643 9.643		127	198.16 167.23		992		.9463 .9463	1,062		1,609		
3.	9.643			120,43		.990.5		.0163		62	1.161		
4.	9.643		84.			.984		.9463 .9463	1.057		808		
5.													
	quid Hydı y of Liqu		irocarb	ons		cf/bbl.	ALCUIATI(Speci Speci	fic Grav	ity Flor	wing Flu		
c	Measure	<u> </u>	(l-e ^{-s})				P _c	577.2	Pc	769.5		
	P w		2 -		(= a)2		0,2		-2 -2	T	$\overline{}$	<u> </u>	
No.	De (psia)) F	$\mathbf{r}_{\mathbf{t}}^{2} \mid \mathbf{r}$	e ^Q	$(F_cQ)^2$	(F	cQ) ² -e ^{-s})	P_w^2	$P_c^2 - P_w^2$		al. W	P _w P _c	
1.	758.2							574.9	194.6			.83	
2.	772.2							570.3	173.2			.83	
3.	803.2							645,1	324,4 85,2			.90	
4. 5.	827.2	+						V-9-17	9346	- 		• 777	
Absol COMPA ADDRE AGENT		P.	Page I	1384	Cas Com	Marie	n		at: Petro	leun Er	gineer		
COMPA			Page H		Gast Contr	ANY.							
			كالمستحد	أحيث كالجديد	ياتعمر حص								

Decreasing sequence used because of fluid. Not enough draw down because of choice size.

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 \equiv Actual rate of flow at end of flow period at W. H. working pressure (P_W). MCF/da. @ 15.025 psia and 60° F.
- PcI 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
- 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.
- Fg Gravity correction factor.
- Ft 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_+ .