NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE OCC Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GASONEEDS 1 AN 10:56

Revised 12-1-55

(Line) Size	car Production of the Producti	p 9DD. 1815'	Set 1 192 Tut 1952 Packer	Lease	Puro 19 19 19 19 19 19 19 19 19 19 19 19 19	ing chaser 81r erf. 4740 erf. 4820	Wel	ToBar.Pre	1 Company 4815' 4924'
p-5/8" asing 7"liner W abing 2.375" W as Pay: From coducing Thru: ate of Complet ested Through (Prover) (Line) Size	t. 23 I t. 4.7 I h7h0' To b Casing ion: November (Choke)	.D. 14. 18, cases	Set Set 1 492 Tub 1952 Packer	35-B 1343 t at 241- t at 473 o x oing 473	Puro -5552 Pe 36 Pe G .801	chaser 81 erf. 4740 erf. 1920	elair Oil	To Bar. Pre	Company 4815: 4924:
abing 2.375* Was Pay: From roducing Thru: te of Complet sted Through (Prover) (Line) Size	t. 4.7% I h740' To Casing ion: November (Flow Da (Choke)	.D. <u>l.</u> 815' or 18,	L 492 Tub 1952 Packer	t at 473	36' Pe	erf. <u>1620</u>	9 41	To	13.2
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ested Through (Prover) (Line) Size	Casing_ion: November Flow Date (Choke)	or 18,	Tub 1952 Packer	oing	Sir	Type We ngle-Brade Reserve	ell Sin	gle	
(Prover) (Line) Size	Flow Da (Choke)	Caroline				ngle-Brade Reserve	enhead-G.	C ^	
(Prover) (Line) Size	Flow Da (Choke)	Caroline					oir Temp.	122°F	.O. Dual
(Prover) (Line) Size	Flow Da) (Meter)				• •		
(Prover) (Line) Size	Flow Da		, (110001)				Type Tap	ve 🌃	l enge
(Line) Size	(Choke)	~ 4 ~			m	D-1-			
(Line) Size		Press	s. Diff.	Temp.		Data Temp.	Casing I		Duratio
	(Orifice)	i		İ				!	of Flo
3	Size	psig	g h _w	o _F .		_1	psig	F.	Hr.
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1 1	2.000	205	5.0	-68	1038	67	Packer Packer	-	14
3	2.000	205	11.0	70	953	71	Pasker	-	3
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Coefficie	nt l			LOW CAL			10		D-4 6 . 73 .
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(24-Hour	-) _\frac{h_wr}{}		psia	Ft	.01	F	Facto	'1'	@ 15.025 psi
						Fg	Fpv		
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27.52	23.6		223.2 218.2	.9943		.8709	1.0		582
27.52	33.0 48.9		218.2	.992		.8709	1.0		811 1199
27.52		2	*****	9905	'	18709	4.0	}_	
Liquid Hydrod vity of Liquid 9.936	l Hydrocarbo	28 ons -e ^{-s})	3,189 50	SSURE CA		Speci Speci			rator Gas •7; ing Fluid <mark>•8</mark> 6
						U			
P _w	$P_{\mathbf{t}}^2$ $\mathbf{F}_{\mathbf{c}}$	Q	$(F_cQ)^2$	(F _C	Q) ²	P _w 2	P _c -P _w ²	Cal	
Pt (psia)	100	A		(T-	-e -)			P.	P _W P _C
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MPANY				REMA	PKC				requested

all delivery rates be below 1 MMCFD if possible while conducting test.

C. D. Kelly, Jr.

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 (Pw). MCF/da. @ 15.025 psia and 60° F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI 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
- P_{f} Meter pressure, psia.
- hw= Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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 $P_{\rm t}$.