NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

Form C-110 Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

					Lis Com			ease_	Cain	
Well No.	13	Unit Le	tter_D	s 16	7 26	R 10	_Pool_	Astes	Pictured	CLIFFS
County	San Jan	a	Kind	i of Lea	se (St	ate Fe	d or E) at ant a	d) Fed.	
f well pro			ensate,	give lo	cation	of tank	в:Unit	S		R
Authorized	Transp	orter of	Oil or C	ondens	ate		-			
Address										
	(Give a	address t	o which	approv	ed cop	y of thi	s form	is to t	e pent)	•
Authorized	Transp	orter of (Jas	Southe	en Uni	on Ges	Company	,	•	
Address	1507 P	cific. D	lles. T	eras.			Date	Conn	ected	
f Gas is no	,		y wnich	approv	ድመ ድልኮ	v of thi	R form	is to bent dis	e sent) position	:
leasons for	r Filing:	(Please o	haak n			3.7 111		-		
hange in T	ranspor	rter of IC3	neck pr	oper bo) X J	New W	e11			(XX)
Change in T		0. (0.	ieck On	e): Oii	() D	ту Сав	() ()	head (Cond	ensate ()
	wnershi	ip) Ot	her				. ()
	wnershi	i.p) Ot	her	(Give	explan	ation bel	ow)
	wnershi	ip		() Ot	her	(Give	explan	ation bel	ow)
	wnershi	i p		() Ot	her	(Give	explan	ation bel	ow)
	Wnershi	ip		() Ot	her	(Give	explan	ation bel	OW)
Change in O Lemarks:	Wnershi	ip		() Ot	her	(Give	explan	ation bel	ow)
temarks: he undersi	gned cei	rtifies tha	it the Ri	ules and						
emarks: he undersi	gned cei	rtifies tha	it the Ri	ules and						
lemarks: he undersi ission have	gned cer e been c	rtifies tha	with.		d Regu					
lemarks: he undersi ission have	gned cer e been c	rtifies tha	with.		d Regu	lations	of the	Oil Co		on Com-
he undersipiesion have	gned cer e been c s the	rtifies tha	with.	où	d Regu	lations	of the	Oil Co	nservati	on Com-
he undersi ission have xecuted thi	gned cer e been c s the	rtifies tha	with.		d Regu	lations <u>£1</u>	of the	Oil Co	nservati JOE C. SAL	on Com-
he undersing ission have executed this oproved make	gned cere been casthe 2	rtifies tha	f Mar	19	d Regu	lations 1 3y CRIC	of the Ginal Signal Sig	Oil Co	nservati Joe C. SAL Joe C.	on Com-
he undersinission have xecuted this	gned cere been consthered as the 2 state 2 sta	rtifies that omplied v	OMMISS	19	d Regu	lations Sy_CER Citle_E	of the	Oil Co	nservati Joe C. SAL Joe C. Intenden	on Com-
he undersignission have becuted this oproved MAR	gned cere been constituted as the 2 stage of the 2	artifies that omplied was day of the complex of the	OMMISS	19	d Regu	lations Sy_CER Citle_E	of the	Oil Co	nservati Joe C. SAL Joe C. Intenden	on Com-

1.1	SYATE OF	nga G	Haisto	ii -
	Table 195		THE T	
n 14513 (1 1461 <u>A P</u>			II	
	مان المستنسون المان الولايات المستنسسان	 -: Tork		







Job separation sheet

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool				Aste) C		_Fo	rmatio	n	Meta	ared C	iffe	L	Count	У	ليحظ	Nan.	
Init	ial		X		Anr	ual_				_Spec:	ial			_Date	of Te	est_	3/21	/61
omp	any	Aste	DC (<u> </u>	and (es Co	e pa	TY	_Leas	se	Casta	<u> </u>		1	Well	No	13	
nit		D	_Se	c	16 T	wp	26¥	R	ge	1.0W	Pu:	rchas	ser					
														4			1918	.
													-	<u>f</u> 1			_	
														rers				
																	_	
. ou	uc III g	1111	u.	Uai	 •	160			uomig	٠	S	ingle	.ype we -Brade	ell_enhead-	G. G.	or	G.O.	Dual
ite	of Co	omple	eti	on:_	M	n.A.O.T		Pack					leservo	ir Tem	p•			~~~
									OB	SERVI	ED DATA	¥.						
este	ed Thi	rougl	h.	(X 800	15 (1)	(Chok	<u>e)</u>	(Metae	Ż					Type	Taps_	··		
	/ Don				low			Dice		1	Tubir			Casin			T -	D
		over ine)			fice)	1	ł	Diff	1	mp.		i	Temp.		}	-		Duratio of Flo
	Si	ize	_	St	ize	ps	ig	h _w	°	F.	ps i g	3	°F.	psig	1	[⊃] F•	+	Hr.
. [· · ·		+	0.7	70	\pm		<u>-</u>	 					123		60 (7 days
			+						 			\perp			-			
+			7						1	\rightrightarrows		#						
							Ł		<u> L</u>					<u> </u>				
	Coe	effic	cie	nt			Pre	ssure			CULATIO		avity	Com	oress		Rate	of Flow
		24 – Hc			_ / h				İ	Fact	or	F	actor	Fac	ctor		Q-M	ICFPD
_	12.3			,	-√ h	wpf		191			,				ov 1.00			.025 psi
$\overline{}$																		
								······································										
							<u></u>		<u></u>								L	
								PI	RESSU	RE CA	LCULAT	'IONS						
	quid y of								_ cf/	bbl. deg.				fic Gra				
						(1-e ⁼	s						P _c				104. 3	
					· 			· ·										····
) .	$P_{\mathbf{w}}$			Pt	}	F _c Q		$(F_cQ)^2$	2	(F _c	(Q) ²		P_w^2	P _c ² -1	2	С	al.	$P_{\mathbf{w}}$
_	Pt (p			6 .4 6		.845	-	5 4. 994		(1- 14.0	-e ⁻⁵)	70. %		23257	_	22	P _w	P _w P _c
#			+									N 93.		~/in!	72			
<u> </u>			\pm															
L					1													
sol MPA	.vte F .NY			al: ec d	LL q	2949 d 844		REALLY	MC	FPD;	n 0.	3 <u>5</u>						
	SS	ጥተጥ፤	F	ORIG	INAL S	O, 70	and.	. M. STE	TO STEEL	Hexi	00	* *		rette. D	4	9		
T'NE	SSED	1111	<u></u>			TOTTED	211	. M. SIE	YEAS			<u> </u>	. 36		LD C.			
)MPA	NY									REMA	RKS				· Pir	71:		
														R		11/	M	
														1 M	ersysty. Etkini	र न हैं :	5. #	
														1 177/	•. T. 🚣 "	i ii ii	1	
														11			•	

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 That Actual rate of flow at end of flow period at W. H. working pressure (P_w) . MCF/da. @ 15.025 psia and 60° F.
- P_c 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
- $P_{\mbox{t}}\mbox{\ }$ 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 Tlowing temperature correction factor.
- Fnv 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 $P_{\mathbf{t}}$.