Form C-122

WRJ - 1

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Po	ol <b>Under</b>	ignate	d		Formation	Granero	os-Dako	ta	County	Rio /	lrriba .	
											March 20, 1959	
Сот	mpany	John	ston-S	hear		_Lease	Jica	rilla	Wel	1 No	1-1	
	it											
	sing 5-1/2										13	
	bing 2-3/8											
											ess	
Dat	oducing Thro	etion:	March	12.	1.959 Po o leo	No	S	ingle-Brade	enhead-G.	G. or (	G.O. Dual	
Dat	oc or compre	-01011			Packe				oir Temp	<del></del>		_
_		,					ÆD DAT.	A				
Tes	sted Through	1 (220	<b>XXX</b> ) (	Choke	) (Makes)	_			Type Tap	s		_
	(Prover		Flow Da		s. Diff.	Temp	Tubi	ng Data s. Temp.	Casing Da		Duration	
No.	(Line) Size	(832	Sies)	ĺ		j				-	of Flow	ĺ
SI		<del>                                     </del>	ıze	psi	g h <sub>w</sub>	°F•	psi,		psig <b>2154</b>	<sup>o</sup> F∙	Hr.	_
1. 2.												
3.		1/	4		<u> </u>		1216	64	1507		3 hrs.	$\dashv$
<u>4.</u> 5.		<del></del> -										
<u> </u>	<u> </u>			L		L	L				<u></u>	
	Coeffic	iont	1			FLOW CAL				<del></del>		_
No.			<b> </b>			Fac	tor	Gravity Factor	Factor	~	Rate of Flow Q-MCFPD	
	(24-Ho	ur)	√ h <sub>w</sub> r	of	psia	F	t	Fg	Fpv		@ 15.025 psia	
1. 2.												$\exists$
3.	1,4382				1228	, 990		0.9393	1.15	8	1.914	
4. 5.											-	J
rav	Liquid Hydr ity of Liqu 9.4	id Hyd:	rocarbo	ns	569 51,8 <b>0</b> 6	cf/bbl.deg.		Speci Speci	fic Gravit fic Gravit <b>186</b>	y Flow	rator Gas_ ring Fluid	
No.	Pt (psia)	P	Fc	Q	(F <sub>c</sub> Q) <sup>2</sup>	(F.	c <sup>Q)<sup>2</sup> -e<sup>-s</sup>)</sup>	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca P	P <sub>W</sub> P <sub>C</sub>	
1. 2. 3.												$\exists$
3. 4.	1519		+-					2307.36	2384.20		1.9672	4
5.										<b>-</b>		$\dashv$
Abso	olute Poten	tial:_				MCFPD;	n	75/1,6614				_
	PANYRESS		3010 H					New Mexis o			· · · · · · · · · · · · · · · · · · ·	_
AGEI	NT and TITL	E_	C. R.	Torne	r, Well	Poster,	Horthwe	st Product:	Los Corp.			_
	NESSED PANY		J. H.	Howas	n roduction					11/1		_
	- AN 1						ARKS		\ oir (	24 19 CON. C	OM.	_

## 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 ( $P_W$ ). MCF/da. @ 15.025 psia and 60° F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}^{-}$  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.
- Fpv 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  $P_{t}$ .

GCC - 3 WRJ - 1 KPNG - 1 PNW - 1 File - 1

## DRILLING DEPARTMENT

			COMPANY _	JOHNSTON-SHI	AR	
			LEASE	Jicarilla	WELL	NO. <u>1-1</u>
			DATE OF T	TEST <u>March 2</u>	20, 1959	
SHUT IN PRESSURE	(PSIG): TUBING	G <b>1850</b> CASING	<b>2154</b> S.	I. PERIOD	4	DAYS
SIZE BLOW NIPPLE	1/4" BM C	ho <b>ke</b>	·			
FLOW THROUGH	Tubing		WORKING PRES	SSURES FROM	Casing	
TIME HOURS MINUTES	TUBING PRESSURE	Q (MCFD) 15.025 PSIA & 60°I	WELLHEAI PRESSURE	WORKING (PSIG)	TEMP	
15	1614			1992	68_	
	1812_ 1734_			1915 1862	66_	
100	1663			1777	65 64	
200 300	<u> 1375</u> <u> 1216</u>	1.914		1610 1507	<b>64</b> 64	
			-			
START AT:	11:30 AM	F	ND TEST AT	2:30 PM		
Well	produced 27,02	obla dist 51,80 gravi	ty 0 60°	the same and the s	***************************************	
			TESTED BY:	C. E. Wer	ner	<del>-</del>
			WITNESS:	J. M. New	man	

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