.400C

2 Western Development 1 So. Union (Rudy Motto)

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

Pool	Basin		F	ormation		Dakota		_County	San Ju	ian	<del></del>
Init	ialX	Ann	ual		Spec	ial		_Date of 1	rest	7-9-62	
Comp	any Western	Developmen	nt Co.		Lease	Mims Ste	te	Well	l No	1-36	
Unit	, <u>D</u> s	ec. <u>36</u> I	wp. 301	Rg Rg	e. <u>11W</u>	Purc	haser				
Casi	ng 4 1/2" W	t. <u>10<b>.5</b>#</u>	I.D	Se	t at	990Pe	rf. 675	6	ro	858	
Tubi	ng 1 1/4" W	t. 2.4#	I.D	Se	t at <u>6</u>	<b>821</b> Pe	rf. Open H	nded	ro		
Gas	Pay: From_	<u>6756</u> то_	6858	L		.65			Bar.Pre	58	
Prod	lucing Thru:	Casing_		Tu	bing	X Cd.	Type We	ll Sinc	le - G	Dual	
Date	of Complet	ion: 6-28	-62	Packe	r <u>No</u>	ne Sin	Reservo	nhead-G. ( ir Temp			
					OBSERV	ED DATA					
Test	ed Through	(10161016181)	(Choke)	(MEKLER)	¢			Туре Тар	8		
		Flow	Data			Tubing	Data	Casing D	ata		
	(Prover)	(Choke)	Press	. Diff.	Temp.	Press.	Temp.	Press.	Temp.	Dura of	ation Flow
No.	(Line) Size	Size	psig	h <sub>w</sub>	°F.		°F.	psig	°F.	Hi	
SI 1.						2095		2122			
2. 3.		3/4*	231		68			1591		3 hrs	
4.											
5.				<u> </u>					L	<u> </u>	
	Coeffici	ent	F	ressure	Flow	CULATION Temp.	Gravity	Compre	ss.	Rate of	Flow
No.		$_{ m r)}$ $\sqrt{1}$			Ko (	ntam I	<b>ドコクモハア</b>	Facto F <sub>pv</sub>	r 1	ローロレドアル	
1.											
2. 3.	12.365			243	.992	4	.9608	1.02	4	2934	
4. 5.											
				PR	ESSURE (	CALCUI ATI	ONS				
Gas I	Liquid Hydro	carbon Rat	tio		cf/bbl	•		fic Gravi			
Gravi	ity of Liqui	d Hydroca	rbons (1-e <sup>-8</sup> )		deg		Speci P. 2	fic Gravi 134	ty Flor	ring Flui .553.956	d
гс			_(1-0 /			<del></del>	- 6		_		
	$P_{\mathbf{w}}$	-2		(7.0)2	2 /	R 0)2	р 2	$P_c^2 - P_w^2$	C	al. P	)
No.	description (	Pt Pt	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(	F <sub>c</sub> Q) <sup>2</sup> 1-e <sup>-s</sup> )	P <sub>w</sub> 2	1 C_1 W	1	P <sub>W</sub> P	C C
1. 2.											
3.	1603						2569.609	1984.34	7	2.2	<u> 149                                    </u>
4. 5.											
	olute Potent PANY West	ial: 5/		io.	MCFPD	; n <u>= .75</u>	1,864	5			<del></del>
ADD	RESS 825	Petroleum	Rida.	Denver.	Colored	O	- Fued nos				<del>,</del>
WIT	NT and TITLI NESSED	<u>Original</u>	signed F	V I. A. D	ugan		R with use	AIII	;	7	
COM	PANY			<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	RE	MARKS		- KFP	<u> </u>	<del></del>	
	÷							AL C	18196	i	
								AHL C	ON. C		

## 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 (Pw). MCF/da. @ 15.025 psia and 600 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
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mathbf{w}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F<sub>DV</sub> 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  $P_t$ .

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SAUTA Fo	{		
CF C			
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L. D. CHRE	T OIL	}	
TRANSPORTER	648	}	
PROJECTION CEFFCE			
GEERATOR			