## LEGBLE NEW MEXICO OIL CONSERVATION COMMISSION

NMOCCO RIW HIJ RIA FTE EVB WDH Attach.

Habba office of Form C-122

				MULTI-	-POINT BA	ACK PRES	SURE TEST	r FOR GAS	wistlis My	<b>a</b> 7 /	Revis	ed 12-1-55 05	
Pool <u>Fumont</u> Formation <u>Value 7 Rivers</u> County <u>Las</u>										<u>.                                    </u>			
InitialAnnual			1	Special			x	Date of Test 1/1 = 5/57			5/57		
Company Continental 311 Company Lease State C-20 Well No. 5													
Unit <u>M</u> Sec. 20 Twp. 215 Rge. 368 Purchaser B. P. N. G.													
Casing 5 1/2Wt. 17 I.D. 3797 Set at Perf. To													
Tubing None WtI.D Set at Perf To													
Gas Pay: From 3210 To 3720 L 3210 xG 665 TGL 2135 Bar. Press. 13.2													
Troc	Producing Thru: Casing X Tubing Type Well Single Single Bradenhead G. G. or G.O. Dual												
Date	Date of Completion: 7-21-10 Packer Reservoir Temp. 000												
						OBSERV	ED DATA						
Tested Through (Property (Ottober) (Meter) Type Taps													
		Flo	ow Da	ta			Tubing	Data	Casing D	ata			
N	Property	(C)npkg	EXZ	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.		Duration of Flow	
No.	(Line) Size	Size			h <sub>w</sub>	o <sub>F</sub> .	psig	o <sub>F</sub> .	psig	°F∙		Hr.	
SI									921			72	
1.	l,	1.α							622	ļ		_24	
2. 3.	<u>-</u>	2.0		<u> 565</u>					613	<u> </u>		2/,	
4.	<del></del>	1.00		550 547	,				589 565	<del>                                     </del>		21, 21,	
5. No.	Coeffici		Pr	essure	Flow	CULATIONS Temp.	Gravity Factor	Factor		Q-MC			
	(24-Hou	r) 7	/ h <sub>w</sub> p	<del>-</del>	psia	Ft		Fg	F <sub>p</sub> v		@ 15.025 psia		
1.	6,135		105.42			1.00		- 5468	1.0		655		
2 <b>.</b> 3.				74		97/ 96/		<u>il</u>	1.0	1	743		
4. 5.				55		9553		13	1.039		916		
PRESSURE CALCULATIONS  Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid  C9583 (1-e^-s) 0.137 P_c 978.3													
·	7,70,7		<del></del> `		<del>₩+₫ç1- </del>			·	7,3 ( 0 %		O POR		
No.	P <sub>t</sub> Pt (psia)	Pt <sup>2</sup>	Fc		(F <sub>c</sub> Q) <sup>2</sup>	(_	(cQ) <sup>2</sup> (-e <sup>-s</sup> )	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>	F	1. W	P P.c	
1. 2.	635.2	403.5	<b>├</b>	.63			.05	403.6	474-7	635	.3	68	
3.	624.2 602.2	3 <b>89.6</b> 362.6	+	81	<u>.5</u>	<del></del>		362.7	488.6 515.6	602		<del></del>	
4.	578.2	33/. 3		22	8		1	<del>334.4,</del>	543.9	578			
ADDI AGEN WITN	plute Potent PANY RESS NT and TITLE NESSED PANY	Con? Por	inent 427.	tal Of Hob <b>b</b> s	l Compar Now Me Les Test	ocico		000 #					
*	NOTE: Slope	e n gree	ter i	than 1	.000; sl		IARKS <b>1.000 dra</b>	un throw	gh highest	t data :	ooint	0	

## 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 ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 600 F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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.
- $h_{\mbox{W}}$ Differential meter pressure, inches water.
- Fg 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  $P_{+}$ .

V. D. Henerd, Our Toster

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