NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	1 Jalmat			F	creatio	n Yat	es		_County_	Lea	
Pool Jalmat Formation Yates County Lea Initial X Annual Special Date of Test 7-29/7-30-57											
Company Continental Oil Co											
Unit E Sec. 23 Two 22 Rge. 36 Purchaser El Paso Natural Gas Company											
Casing 5 1/2 Wt. 14.0 I.D. 5.012 Set at 3884 Perf. 3312 To 3468 Tubing 2" Wt. 4.7 I.D. 1.995 Set at 3300 Perf. To											
Gas Pay: From 3312 To 3468 L 3300 xG .670 -GL 2211 Bar.Press. 13.2											
Producing Thru: Casing Tubing X Type Well Single Date of Completion: 7-30-57 Packer None Reservoir Temp. 900											0. Dual
OBSERVED DATA											
Tested Through (************************************											
	(#26#6%) (0		Flow Data		7:00		Tubing	Data	Casing D	ata	
No.		(Orif	ice)		j			Temp.	Press.	Temp.	Duration of Flow
	`Size´	` Si	ze	psig	h _w	°F.	psig	°F.	psig	°F∙	Hr.
SI						<u> </u>	808				72
1. 2. 3.	4"	2.0		<u>600</u>		68	754	<u> </u>			
2 •	<u> </u>	2.000		600 10 600 16		65	728	 		ļ	3
7.		2.0		600 600	23	66	702 670	+		 	
4. 5.	744	2.0		600	18	64	690	 	 	 	24
		<u> </u>		<u> </u>	1 49	<u> </u>		<u> </u>		J	~~
						FLOW CAL	CULATION	IS			
	Coefficient			Pr	ressure	Flow	Temp.	Gravity	Compre	ss.	Rate of Flow
No.	(24-Hour) \sqrt{t}		/			Factor		Factor Factor		r	Q-MCFPD
	(24-Hou	r)	V nwpf		psıa ———	Ft		rg	Fpv		@ 15.025 psia
1. 2. 3. 4. 5.	25.58		21.46	1.46 76		.992	4	.9463 .9463	1.084		558
2.	25.58	8 27.23		741.2			.9952		1.082		711
3.	25.58	33.83		715.2		.9943		.9463 .9463	1.078	3	877
4.			39.64	683.2		.994	.9943		1.073		1024
5.	25.58		42.41	7	03.2	.996	2	9463	1.078	<u>}</u>	1102
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio Dry cf/bbl. Specific Gravity Separator Gas. 670 Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Pc 821.2 Pc 674.4											
No.	P _w	Pt ²	F _c Q		(F _c Q) ²	2 (F	c ^{Q)²} -e⁻s)	P _w 2	$P_c^2 - P_w^2$	Ca	P _W P _C
1. 2.	767.2							588.6	85.8		
	71.7 2							549.4	125.0		
3.	715.2		+					511.5	162.9	 	_
4. 5.	683.2 703.2	·						166.8	207.6		
								494.5	179.9		
Absolute Potential: 2,750 MCFPD; n .69897 COMPANY Continental Oil Company											
ADDRESS Box 68. Eunice. New Mexico											
AGENT and TITLE											
WITNESSED											
	PANY									١	
						DEM	ADVC	1	Sefora Evan	inan h	III A A

Oil Conservation Commission

Exhibit Case No. 3

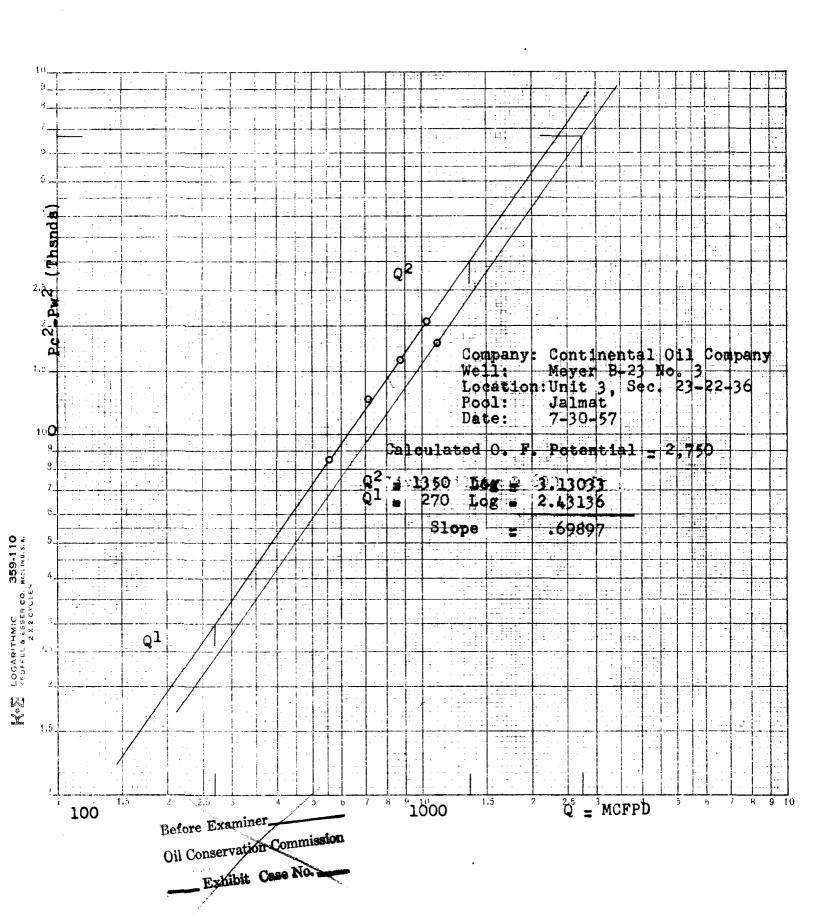
INSTRUCTIONS

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
- Pw 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.
- 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_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_+ .



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