

Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

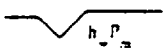
OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator CONCHO RESOURCES, INC.				Lease or Unit Name MILLMAN 133-19S-29E			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7/20/99		Well No. 1	
Completion Date		Total Depth 11,600		Plug Back TD 11,599		Elevation 3,313	
Log. Size 5 1/2		WL 17#	d 4,892	Set At 11,599	Perforations: From: 11,314 To: 11,345		County EDDY
Log. Size 2-3/8		WL 4.7#	d 1,995	Set At 11,270'	Perforations: From: To:		Pool W Parkury Morrow
Type Well - Single - Bradenhead - G.G. or G.C. Multiple single				Packer Set At 11,270'		Formation Morrow	
Producing Thru tbg		Reservoir Temp. °F 186.7		Mean Annual Temp. °F 60°		Baro. Press - P 13.2	
L 11,270		II 11,270	Gg .621	% CO ₂ .634	% N ₂ .474	% H ₂ S -0-	Prover -0-
							Mean Run 4.033
							Tags 68g

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifices Size	Press. psig.	Diff. h _w	Temp. °F	Press. psig.	Temp. °F	Press. psig.		Temp. °F
5.							3380		pkc		
1.	4.033	X	1,500	392	38.2	74°	2667				24 hr
2.	4.033	X	1,500	388	21.6	84°	2820				1 hr
3.	4.033	X	1,500	385	10.1	84°	2990				1 hr
4.	4.033	X	1,500	381	5.4	85°	3110				1 hr.
5.											

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcf/d
1.							1779
2.							1312

GAS VOLUMES MEASURED BY TOTAL FLOW METER							
3.							917
4.							617
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	N/A	Method
1.					A.P. I. Gravity of Liquid Hydrocarbons	N/A	Des.
2.					Specific Gravity Separator Gas	.621	XXXXXXXXXX
3.	TOTAL FLOW				Specific Gravity Flowing Fluid	XXXXXX	
4.					Critical Pressure	674	PSIA
5.					Critical Temperature	361	R

P _c 3393.2	P _c 11,513.8						
NO.	P ₁ ²	P ₂	P ₂ ²	P ₁ ² - P ₂ ²	1) $\frac{P_c^2}{P_1^2 - P_2^2} = 6.593$	(2) $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^2 = 6.593$	
1.	7183.2	2699.7	7288.6	4225.2			
2.	8027.0	2843.4	8084.8	3429.0			
3.	9019.2	3008.0	9047.8	2466.0			
4.	9754.4	3125.3	9767.5	1746.3			
5.							

Absolute Open Flow	4.848	Mcf/d @ 15.025	Angle of Slope θ	45°	Slope, n	1.000
--------------------	-------	----------------	------------------	-----	----------	-------

Remarks: * NO LIQUID MADE DURING TEST

Approved By Division	Conducted By: PRO WELL TESTING & W/L	Calculated By: M. B.	Checked By: B. M.
----------------------	---	-------------------------	----------------------