

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-24-71		MAR 5 1971																																																	
Company PENNZOIL UNITED, INC.				Connection NONE																																																			
Pool SOUTH CARLSBAD GAS				Formation MORROW		Unit O.C.G. ARTESIA, OFFICE																																																	
Completion Date 2-20-71		Total Depth 11,925'		Plug Back TD 11,835'		Elevation 3233.6																																																	
Ceq. Size 4 1/2		Wt. 11.6		Set At 11,925'		Perforations: From 11,499' To 11,716'																																																	
Tbg. Size 2 3/8		Wt. 4.7		Set At 11,716'		Perforations: From 11,703' To 11,716'																																																	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 11,453'		County EDDY																																																	
Producing Thru TUBING		Reservoir Temp. °F 194 @ 11,607'		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2																																																	
L 11,607		H 11,607		G _g .581		% CO ₂ .98																																																	
						% N ₂ .30																																																	
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				Prover		Meter Run 3.068																																																	
						Taps FLANGE																																																	
FLOW DATA																																																							
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow																																																
1.	3.068	1.250	545	9"	98°	3762	96.0																																																
2.	3.068	1.250	555	21"	70°	3522	0.75																																																
3.	3.068	1.250	560	37"	68°	3310	0.50																																																
4.	3.068	1.250	560	62"	68°	3078	0.75																																																
5.						2675	0.75																																																
RATE OF FLOW CALCULATIONS																																																							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd																																																
1.	7.577	70.88	558.2	.9653	1.312	1.110	755 7/8																																																
2.	7.577	109.23	568.2	.9905	1.312	1.121	1206 1/2																																																
3.	7.577	145.63	573.2	.9924	1.312	1.120	1609 150/																																																
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