

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

Form C-122
Revised 5-1-65

Type Test ☐ Initial ☐ Annual ☒ Special		Test Date 11-14-77	
Company Continental Oil Company		Connection New Well	
Pool E. San Juan		Formation Gallup	
Completion Date 11-26-73	Total Depth 8475	Perforation 7440	Elevation 7050 GR
Core Size 5.500	Core No. 17#	Set At 8470	Perforation From 7380 To 7412
Core Size 2.375	Core No. 4.7#	Set At 7334	Perforation From To
Type Well - Single - Broadhead - G.G. or G.O. Multiple Gas - Single		Packer Set At 7334	County Rio Arriba
Producing thru Tubing	Reservoir Temp. °F 8	Mean Annual Temp. °F 12.0	State New Mexico
L	H	G ₂ .611	% CO ₂ % N ₂ % H ₂ S
Orifice Meter		Meter Run 4" Flange	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Meter PSIG	Meter Diff.	Temp. °F	Press. psia/g.	Temp. °F	Press. psia/g.	Temp. °F	
1	4"	X	1.500	200	2.0	65°	2394				SIP
2	4"	X	1.500	215	3.2	65°	2212				2 hrs.
3	4"	X	1.500	312	4.25	63°	2015				2 hrs.
4	4"	X	1.500	440	5.2	75°	1669				2 hrs.
5	4"	X	1.500	435	2.0	72°	1010				2 hrs.
							603				18 hrs.

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Meter Static	Meter Diff.	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor F _{sp}	Rate of Flow (bbl/d)
1	34.28	4.6	2.0	.995	1.279	1.020	409
2	34.28	4.76	3.2	.995	1.279	1.020	680
3	34.28	5.7	4.25	.997	1.279	1.029	1090
4	34.28	6.7	5.3	.985	1.279	1.034	1585
5	34.28	6.7	2.0	.989	1.279	1.037	603

NO.	P ₁	Temp. °F	T ₁	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

NO.	P ₁ ²	P _w ²	P ₁ ² - P _w ²	(1) $\frac{P_1^2}{P_1^2 - P_w^2}$	(2) $\left[\frac{P_1^2}{P_1^2 - P_w^2} \right]^n$
1	2224	4946176	842660		
2	2827	4108729	1690107		
3	1631	2825761	2963075		
4	1022	1044484	4744352		
5	615	373225	5410611		

Absolute Open Flow	625	Bbl/d @ 15.0 PSIA	Angle of Slope	38	Dist. 3	78
Remarks:						
Approved By Commission: Fred S. Hamrick						
Calculated By: Fred S. Hamrick						
Checked By:						