

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

Form C-122
Revised 9-1-65

Type Test ☐ Initial ☐ Annual ☒ Special						Test Date 8-15-77	
Company Continental Oil Company				Connection New Well			
Pool E. San Juan				Formation Gallup			
Completion Date 2-28-74		Total Depth 8136		Plug Back TD		Elevation 7403	
Casing Size 7.000		Casing Weight 26#		Set At 7530		Perforations: From 7799 To 8039	
Casing Weight 11.6#		Set At 4.000		Set At 7373-8133		Well No. #3	
Tubing Size L		Tubing Weight H		Tubing Weight Gg		Unit Soc. Twp. Rye. L 28 29 4	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L		H		Gg		County Rio Arriba	
%		% CO ₂		% N ₂		State New Mexico	
%		%		%		Orifice Meter Run 4"	
%		%		%		Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F
SI							2020		2075	
1.	4"	X	1.500	41	4.6	115°	2001		2001	2 hr.
2.	4"	X	1.500	75	6.3	115°	1939		1942	2 hr.
3.	4"	X	1.500	148	7.0	120°	1851		1863	2 hr.
4.	4"	X	1.500	190	9.5	120°	1711		1723	2 hr.
5.	4"	X	1.500	180	5.6	120°	1403		1482	12 hr.

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	34.28	2.3	4.6	.9594	1.291	1.002	450
2	34.28	2.9	6.3	.9594	1.291	1.005	780
3	34.28	4.0	7.0	.9469	1.291	1.009	1184
4	34.28	4.5	9.5	.9469	1.291	1.013	1813
5	34.28	4.5	5.6	.9469	1.291	1.013	1070

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 2082	P _c 4334724					
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		2013	4052169	282555		
2		1954	3818116	516608		
3		1375	3515625	819099		
4		1735	3010225	13124499		
5		1494	2232036	2102688		

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ 42°	Slope, n .90
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Remarks:			
Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B.J. Broughton	Checked By:

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