

**N 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 4-2-76	
Company Continental Oil Company				Connection El Paso Natural Gas Company			
Pool Eumont				Formation Eumont			
Completion Date 11-5-75		Total Depth 3807		Plug Back TD 3750		Elevation	
Csg. Size 5 1/2		Wt. 17#		Set At 3307		Perforations: From 3148 To 3232	
Tbg. Size 2 3/8		Wt. 4.7		Set At		Perforations: From open To end	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At None	
Producing Thru Csg.		Reservoir Temp. °F 660		Mean Annual Temp. °F		Baro. Press. - P _a 13.2	
L		H		G _g		% CO ₂	
						Prover	
						Water Run	
						Time	

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									427		48 hrs.
1.	4 x	.625		77	4.4	68			364		1 hr.
2.	4 x	.625		77	8.4	69			299		1 hr.
3.	4 x	.625		78	13.7	68			217		1 hr.
4.	4 x	.625		78	16.0	72			102		1 hr.
5.											

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 C. std
1	1.845	19.92	90.2	.9924	1.231	Nil	5
2	1.845	27.53	90.2	.9915	1.231	Nil	52
3	1.845	35.34	91.2	.9924	1.231	Nil	50
4	1.845	38.20	91.2	.9887	1.231	Nil	56
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.13	528	1.40	Nil	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.	.13	529	1.40	Nil	Specific Gravity Separator Gas .660 X X X X X X X X
3.	.14	528	1.40	Nil	Specific Gravity Flowing Fluid X X X X X
4.	.14	532	1.41	Nil	Critical Pressure 670 P.S.I.A. P.S.I.A.
5.					Critical Temperature 378 R R

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.074$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.091$
1		377.2	142.3	51.5		
2		312.2	97.5	96.3		
3		230.2	53.0	140.8		
4		115.2	13.3	180.5		
5						

Absolute Open Flow 90 Mscf @ 15.025				Angle of Slope 60.5		Slope .563	
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Remarks: Tubing pressures were taken during test, they were the same readings as they were on the csg., tbg. pressure were discarded.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	R. Reston & R. Pagan	Reggie Reston	

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