

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

Form C-122
 Revised 9-1-55

Type Test ☐ Initial ☐ Annual ☒ Special						Test Date 10-24-73			
Company Continental Oil Company				Connection Unconnected					
Pool Undesignated				Formation Gallup				Unit	
Completion Date		Total Depth 8475' KB		Plug Back TD 8417' KB		Elevation 7062' KB		Farm or Lease Name Conoco 29-4	
Csg. Size 5 1/2	Wt. 15.5	d 	Set At 8470'	Perforations: From 7380' To 7412' KB				Well No. 2	
Tbg. Size 2 3/8	Wt. 4.70	d 1.995	Set At 7350' KB	Perforations: From To				Unit Soc. Twp. Rye. H 11 29N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba			
Producing Thru TBG.		Reservoir Temp. °F @		Mean Annual Temp. °F 		Baro. Press. - P _a 12.2		State New Mexico	
L 7338	H 7338	G _q .700	% CO ₂ 	% N ₂ 	% H ₂ S 	Prover 		Meter Run 2"	Taps 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							2867		2885		186 Hrs.
1.	2"		1.000	405	72	60	970		1105		1 Hr.
2.	2"		1.250	400	25	60	520		653		1 Hr.
3.	2"		1.250	400	13	60	417		552		1 Hr.
4.	2"		1.250	270	17	60	281		435		1 Hr.
5.											

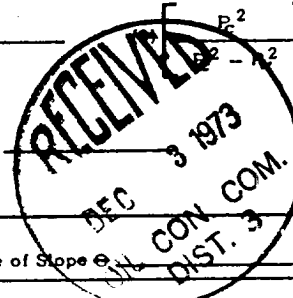
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	4.946	173.3	417.2	1.000	1.195	1.052	1078
2	8.120	95.2	412.2	1.000	1.195	1.052	972
3	8.120	73.2	412.2	1.000	1.195	1.052	747
4	8.120	69.3	282.2	1.000	1.195	1.034	695
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.62	520	1.33	.904	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.	.62	520	1.33	.904	Specific Gravity Separator Gas _____ X X X X X X X X
3.	.62	520	1.33	.904	Specific Gravity Flowing Fluid _____ X X X X X .700
4.	.42	520	1.33	.935	Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

$P_c = 2897.2$ $P_c^2 = 8394$				
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1	964.7	1117.2	1248	7146
2	283.2	665.2	442.5	7952
3	184.2	564.2	318.3	8076
4	85.97	447.2	200.0	8194
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \dots$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \dots$



Absolute Open Flow <u>Not Calculated</u> Mcfd @ 15.025		Angle of Slope <u>Not Calculated</u>	Slope, n <u>-6.43</u>
Remarks:			
Approved By Commission:		Conducted By: E. B. Errett	Calculated By: E. B. Errett
Checked By:			