

**NE 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			
Company Continental Oil Company						Connection El Paso Natural Gas Company			
Pool Warren Blinebry						Formation Blinebry			
Completion Date 2/16/76		Total Depth 7000		Plug Back TD		Elevation		Farm or Lease Name Warren Unit	
Csg. Size 7	Wt. d	Set At 7000	Perforations: From 5791 To 5971		Well No. 35				
Tbg. Size 2 3/8	Wt. d	Set At 5788	Perforations: From To		Unit K		Sec. 28	Twp. 20	Rge. 38
Type Well - Single - Draddenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 6191		County Lea	
Producing Thru Tbg.		Reservoir Temp. °F 133 @ 5881		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L 5881	H 5881	G _g .676	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 4"	Taps Flg.	

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							892				24 hr.
1.	4	x	2.000	109	57.76	41	568				1 hr.
2.	4	x	2.000	104	36.00	41	610				1 hr.
3.	4	x	2.000	100	16.81	42	719				1 hr.
4.	4	x	2.000	99	7.29	45	787				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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	19.81	84.01	122.2	1.019	1.216	Nil	2062
2	19.81	64.96	117.2	1.019	1.216	Nil	1594
3	19.81	43.62	113.2	1.018	1.216	Nil	1070
4	19.81	28.60	112.2	1.015	1.216	Nil	700
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.18	501	1.30	Nil	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.	.18	501	1.30	Nil	Specific Gravity Separator Gas	X X X X X X X X
3.	.17	502	1.30	Nil	Specific Gravity Flowing Fluid	X X X X X
4.	.17	505	1.31	Nil	Critical Pressure	669 P.S.I.A.
5.					Critical Temperature	385 R

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1			429.2	390.2	
2			442.9	376.5	
3			560.2	259.2	
4			650.5	168.9	
5					

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 2.176$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 3.469$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.176$

Absolute Open Flow	3.469 Mcfd @ 15.025	Angle of Slope	45°	Slope, n	1.000
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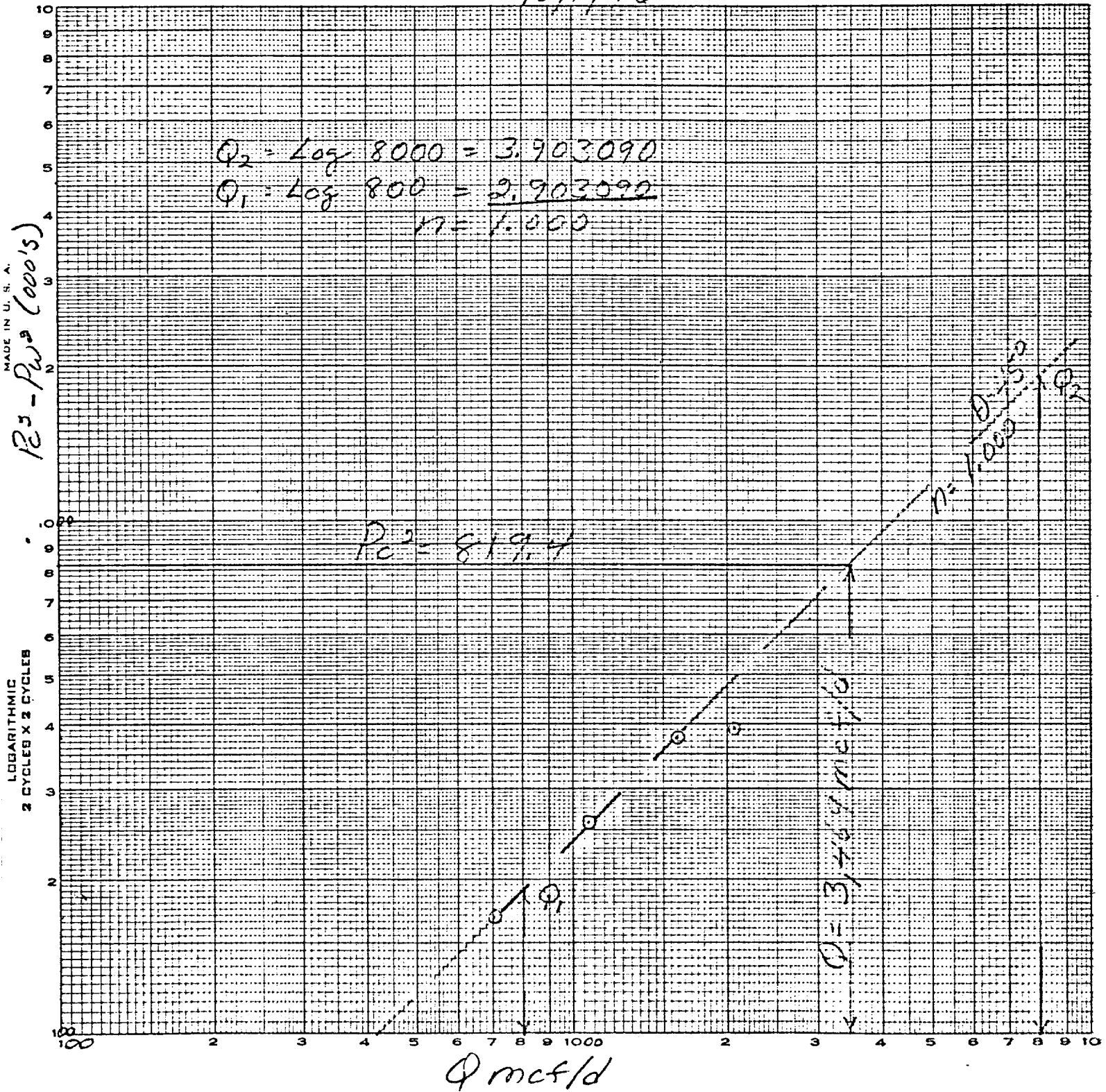
Remarks: Immeasurable amount of fluid made during test.

NMOCC-27-FILE

Approved by Commission:	Conducted By:	Calculated By:	Checked By:
	Rick Pagan	Rick Pagan	

Continental Oil Co.
 Warren Unit #35 (Blinury)
 K-28-20-38 Lea Co.
 Aof 3,469 mcf/d $n = 1.000$

10/1/76



10/1/76

1

85

T_{cr} 385

[illegible]