

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 12-15-74	
Company Coastline Petroleum Co.			Connection None		
Pool Blanco Mesa Verde			Formation Mesa Verde		Unit P
Completion Date 12-15-74		Total Depth 5850	Plug Back TD 5850		Elevation 6301 Or
Farm or Lease Name Schalk					
Csg. Size 4 1/2	Wt. 10.5	d 	Set At 5850	Perforations: From 5438 To 5456	Well No. 62-3
Tub. Size 2 3/8 EUE	Wt. 	d 	Set At 5425	Perforations: From 5608 To 5689	Unit Sec. Twp. Rge. P 33 32-N 5-W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 186 @	Mean Annual Temp. °F 60		Baro. Press. - P _a 12
County Rio Arriba		State New Mexico			
L 5631	H 5631	G _q .64	% CO ₂ 	% N ₂ 	% H ₂ S
Prover X		Meter Run 		Taps 	

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.	
SI							1200		1200	
1.	2.0		7/32	750		58	750	58	1010	58
2.	2.0		1/4	580		60	580	60	990	60
3.	2.0		5/16	490		62	490	62	930	62
4.	2.0		7/16	310		66	310	66	810	66
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	.8393		762	1.0019	1.2500	1.083	857
2	1.087		592	1.0000	1.2500	1.061	853
3	1.672		502	.9981	1.2500	1.051	1101
4	3.408		322	.9943	1.2500	1.031	1406
5							

NO.	P _r	Temp. °R	T _r	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	1.14	518	1.39	.853	None Produced					
2	.88	520	1.40	.889						
3	.75	522	1.40	.905						
4	.48	526	1.41	.940						
5										

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1	1200	1022	1044	396
2		1002	1004	436
3		942	887	553
4		822	676	764
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1440}{764}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2302$

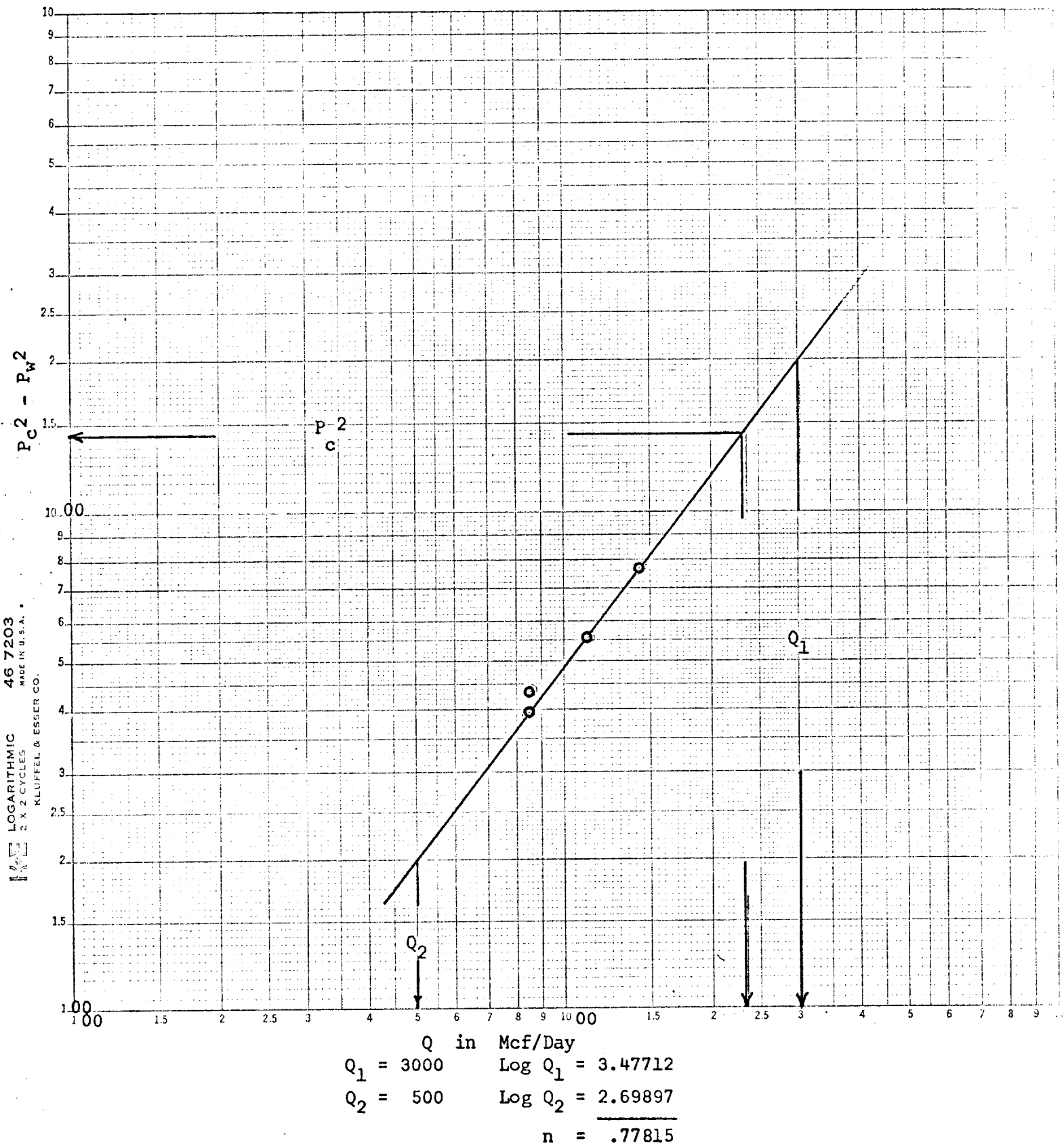
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.63757$

Absolute Open Flow	2302	Mcf/d @ 15.025	Angle of Slope θ	52° 07'	Slope, n	.778
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Remarks:

Approved By Commission:	Conducted By: J F Roberson	Calculated By: H L Hagler	Checked By:
WEST TEXAS CONSULTING SERVICE, INC.			

OPERATOR	Coastline Petroleum Co.
LEASE	Schalk '62'
WELL NO.	3
FIELD	Blanco Mesa Verde
COUNTY	Rio Arriba, New Mexico
DATE	12-15-74



Absolute Open Flow = 2302 Mcf/Day

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		% N ₂	% H ₂ S
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1	1.14	518	1.39	.853	A.P.I. Gravity of Liquid Hydrocarbons		Deg.
2	.88	520	1.40	.889	Specific Gravity Separator Gas	XXXXXXXXXX	
3	.75	522	1.40	.905	Specific Gravity Flowing Fluid	XXXXX	
4	.48	526	1.41	.940	Critical Pressure	670 P.S.I.A.	670 P.S.I.A.
5					Critical Temperature	372 °R	372 °R

NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1	1200	1022	1044	396
2		1002	1004	436
3		942	887	553
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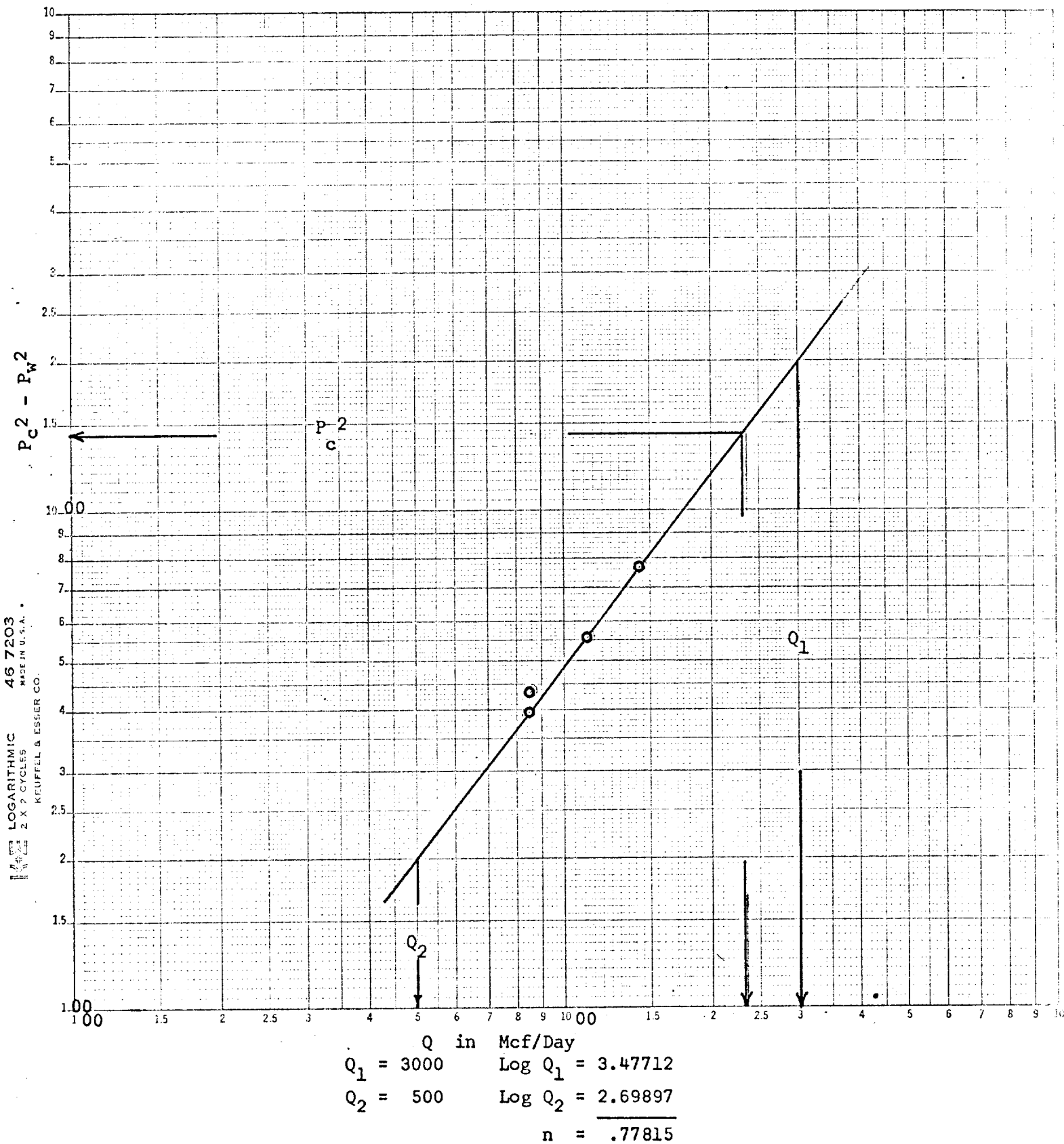
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Absolute Open Flow 2302 Mcfd @ 15.025 Angle of Slope θ 52° 07' Slope, n .778

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