

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 12-16-74	
Company Coastline Petroleum		Connection None	
Well Blanco Mesa Verde		Formation Mesa Verde	
Completion Date 12-16-74		Total Depth 6100	
Plug Back TD		Elevation 6675 Gr	
Farm or Lease Name Schalk		Well No. 57-2	
Csg. Size 4 1/2	Wt. 10.5	d 6100	Set At 6100
Perforations: From 5664 To 6010		Well No. 57-2	
Tub. Size 2 3/8 EUE	Wt. 5658	d 5658	Set At 5658
Perforations: From To		Unit Sec. Twp. Rge. C 12 30-N 5-W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	
County Rio Arriba		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F 180 @ 5837	
Mean Annual Temp. °F 60		Baro. Press. - P _a 12.0	
L 5837	H 5837	Gg .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							1202		1202	
1.	2.0		7/32	1147		58	1147	58	1150	58
2.	2.0		1/4	1110		62	1110	62	1130	62
3.	2.0		5/16	1020		62	1020	62	1078	62
4.	2.0		7/16	820		64	820	64	960	64
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		1159	1.0019	1.2500	1.128	1374
2	1.087		1122	.9981	1.2500	1.119	1703
3	1.672		1032	.9981	1.2500	1.119	2409
4	3.408		832	.9962	1.2500	1.085	3831
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	None Produced	Mcft/bbl.
1	1.73	518	1.39	.786	A.P.I. Gravity of Liquid Hydrocarbons		Deq.
2	1.67	522	1.40	.798	Specific Gravity Separator Gas	XXXXXXXXXX	
3	1.54	522	1.40	.798	Specific Gravity Flowing Fluid	XXXXXX	
4	1.24	524	1.41	.849	Critical Pressure	670 P.S.I.A.	670 P.S.I.A.
5					Critical Temperature	372 R	372 R

P _r 1214	P _c ² 1474	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1474}{529}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.05144$
NO.	P _r ²	P _w	P _w ²
1		1162	1350
2		1142	1304
3		1090	1188
4		972	945
5			

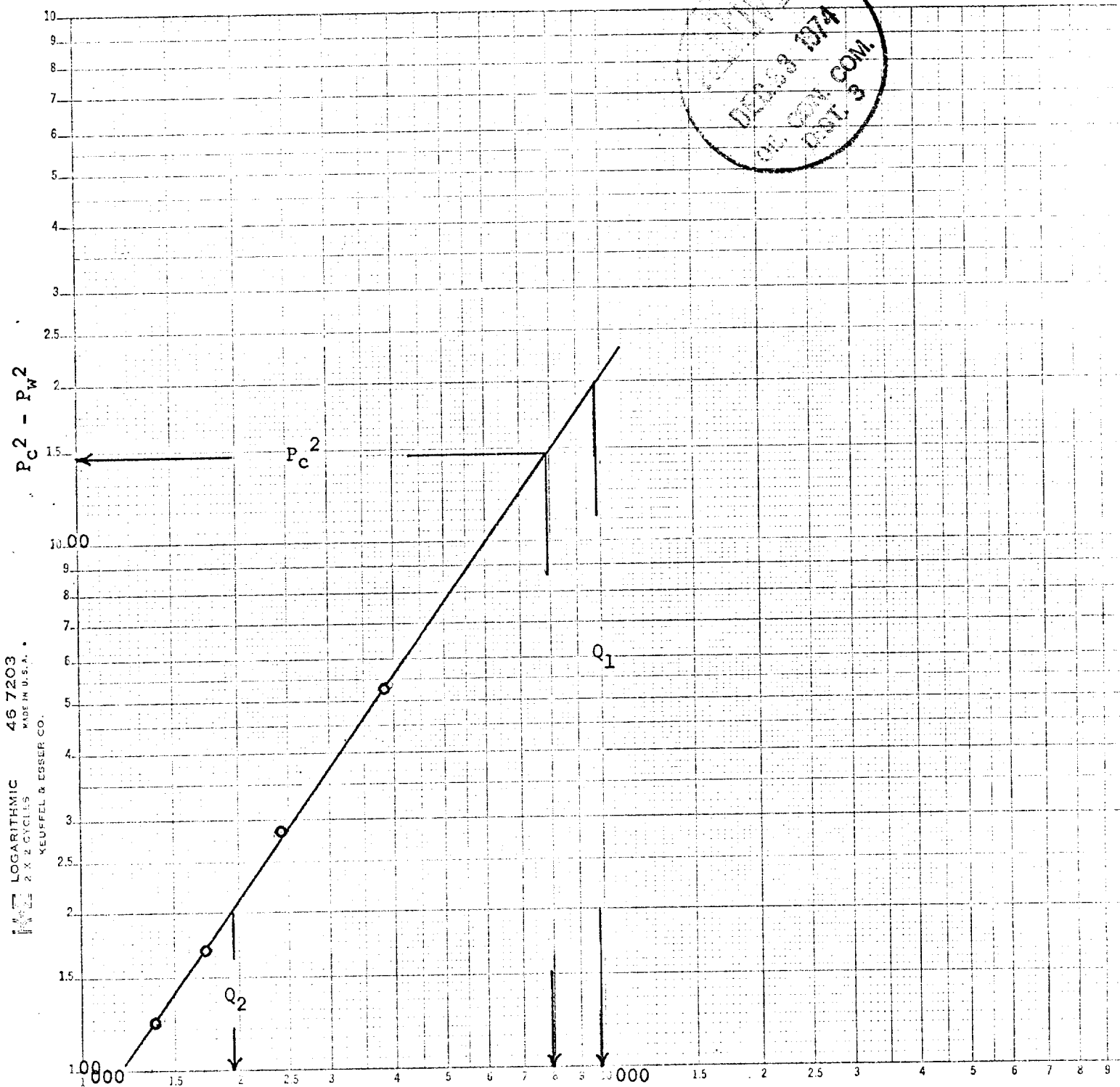
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7859$

Absolute Open Flow	7859	Mcfd @ 15.025	Angle of Slope θ	54° 58'	Slope, n	.701
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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 Company
LEASE	Schalk '57'
WELL NO.	2
FIELD	Blanco Mesa Verde
COUNTY	Rio Arriba, New Mexico
DATE	12-16-74



$$Q_1 = 9800 \quad \text{Log } Q_1 = 3.99123$$

$$Q_2 = 1950 \quad \text{Log } Q_2 = 3.29003$$

$$n = .70119$$

$$\text{Absolute Open Flow} = 7859 \text{ Mcf/Day}$$