NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 9-11-74

Company: ~~Coastline Petroleum~~ Four Star Industries, Inc. — Connection: None

Pool: Blanco Mesa Verde — Formation: Mesa Verde — Unit: I

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
8-7-74	5957		6569 Gr	Schalk '54'

Csg. Size	Wt.	d	Set At	Perforations	Well No.
4 1/2	10.5		5980	From 5636 To 5856	2

Tbg. Size	Wt.	d	Set At	Perforations	Unit	Sec.	Twp.	Rge.
2 3/8 EUE	4.7	1.995	5850	From To	I	2	30N	5W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single		Rio Arriba

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	188° @ 5636	60	12.0	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
5636	5636	.64				X		

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							1180	62	1180	62	
1.	2.0		3/16	1122		62	1122	62	1129	62	1 Hr
2.	2.0		7/32	1078		64	1078	64	1094	64	1 Hr
3.	2.0		1/4	1026		68	1026	68	1053	68	1 Hr
4.	2.0		1/4	918		70	918	70	975	70	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	.6082		1134	.9891	1.2500	1.121	965
2	.8393		1090	.9962	1.2500	1.112	1267
3	1.087		1038	.9924	1.2500	1.104	1545
4	1.672		940	.9905	1.2500	1.031	1985
5							

NO.	P_t	Temp. °R	T_r	Z
1	1.69	522	1.40	.796
2	1.62	524	1.41	.808
3	1.55	528	1.42	.821
4	1.40	530	1.42	.836
5				

Gas Liquid Hydrocarbon Ratio: No Fluid Produced — Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: — Deg.
Specific Gravity Separator Gas: XXXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 670 P.S.I.A. — P.S.I.A.
Critical Temperature: 372 R — R

P_c 1192 P_c^2 1421

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1141	1302	119
2		1106	1223	198
3		1065	1134	287
4		975	951	470
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1421}{470}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.74253$

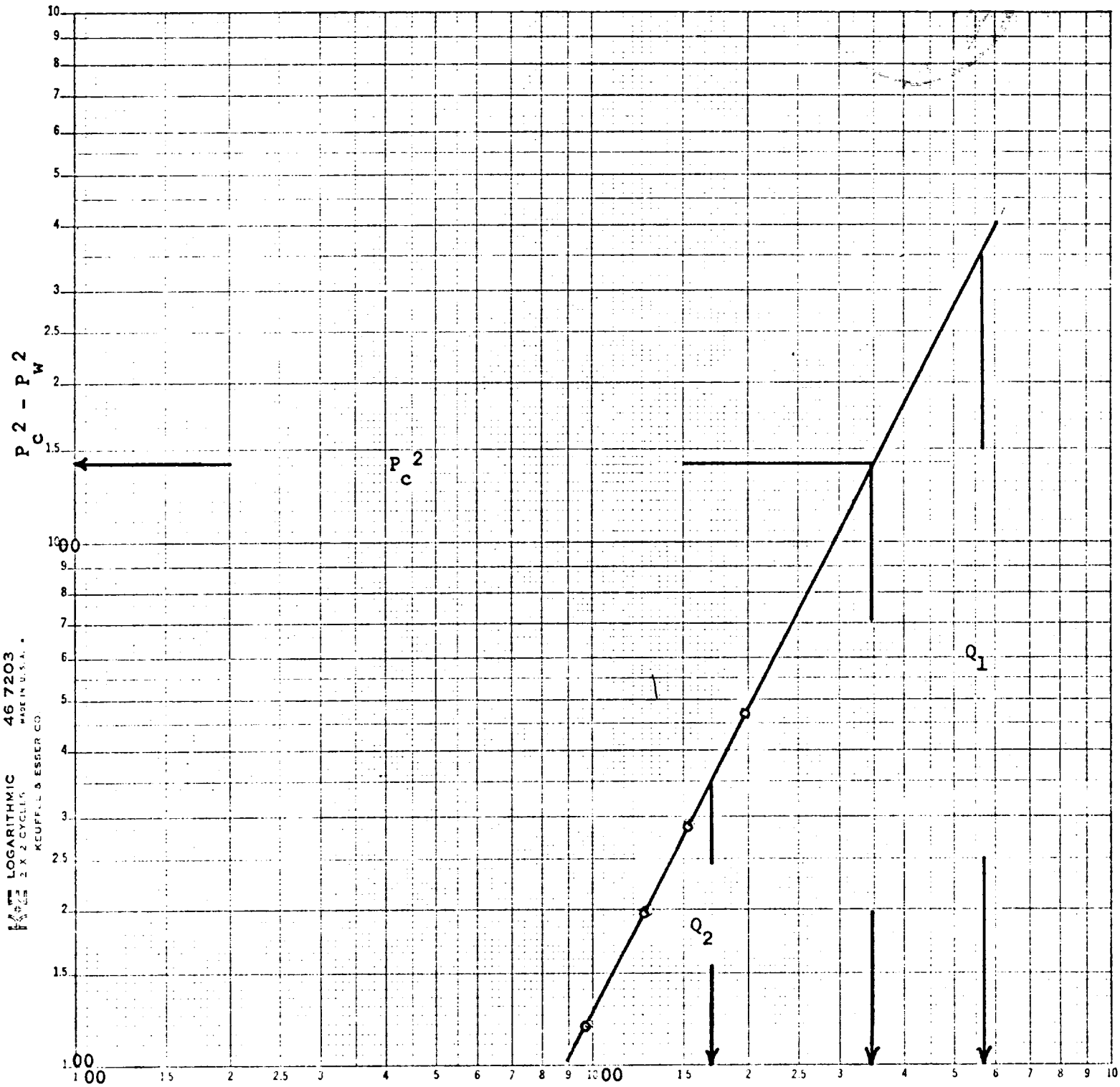
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 3459

Absolute Open Flow: 3459 Mcfd @ 15.025 — Angle of Slope θ: 63° 21' — Slope, n: .50194

Remarks:

Approved by Commission: — Conducted By: J R Roberson — Calculated By: H L Hagler — Checked By:

OPERATOR	Coastline Petroleum
LEASE	Schalk '54'
WELL NO.	2
FIELD	Blanco Mesa Verde
COUNTY	Rio Arriba
DATE	9-11-74



Q_1 = 5400 Log Q_2 = 3.73239

Q_2 = 1700 Log Q_2 = 3.23045

.50194

Q in Mcf/Day

n = .502

θ = 63° 21'

Absolute Open Flow = 3459 Mcf/Day