NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

JUN 1 0 1980

O. C. D.
ARTESIA, OFFICE

C-SF

Type Test: [X] Initial [ ] Annual [X] Special			Test Date: 5-30-80
Company: Perry R. Bass	Connection: Natural Gas Pipeline Co. of Am.		
Pool: Sand Point Morrow	Formation: Morrow		Unit: Big Eddy Unit
Completion Date: 5-30-80	Total Depth: 12,332	Plug Back TD: 12,180	Elevation: 3270GL
Farm or Lease Name: Big Eddy Unit			
Csg. Size: 5½ / Wt.: 20# / d: / Set At: 12,332	Perforations: From 11674 To 11918		Well No.: 72
Tbg. Size: 2 1/16 / Wt.: 3.25 / d: / Set At: 11,629	Perforations: From To		Unit: R / Sec.: 3 / Twp.: 21S / Rge.: 28E
Type well – Single – Bradenhead – G.G. or G.O. Multiple: Dual G. - G.	Packer Set At: 11,600		County: Eddy
Producing Thru: tubing	Reservoir Temp. °F: 193° 11,190	Mean Annual Temp. °F: 68	Baro. Press. – P_a: 13.2
State: New Mexico			

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
11,629	11,629	.612	0	0	0		4206	Flange

	FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI						3747				
1.	4.026	1.0	445	3	86	3700	71	Packer		60 Min.
2.	4.026	1.0	448	5.4	92	3675	72	in		60 Min.
3.	4.026	1.0	450	10.4	80	3635	73	Well		60 Min.
4.	4.026	1.0	460	54.0	52	3475	73			60 Min.
5.	4.026	1.5	476	32.0	80	3045	74			60 Min.

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	4.753	37.07	458.2	.9759	1.278	1.036	228
2	4.753	49.9	461.2	.9706	1.278	1.036	305
3	4.753	69.4	463.2	.9813	1.278	1.036	429
4	4.753	158.15	463.2	1.008	1.278	1.047	1014
5	10.84	125.12	489.2	.9813	1.278	1.039	1767

NO.	P_t	Temp. °R	T_r	Z
1	.68	546	1.51	.932
2	.69	552	1.52	.931
3	.69	540	1.49	.931
4	.69	512	1.41	.912
5	.73	540	1.49	.927

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator Gas .612 XXXXXXXXX

Specific Gravity Flowing Fluid XXXXX

Critical Pressure 671 P.S.I.A. _____ P.S.I.A.

Critical Temperature 362 R _____ R

P_c 4858.2 P_c^2 23602

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		4813.2	23167	435
2		4781.2	22860	742
3		4743.2	22498	1104
4		4576.2	20942	2660
5		4240.2	17980	5622

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.1982$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.434$

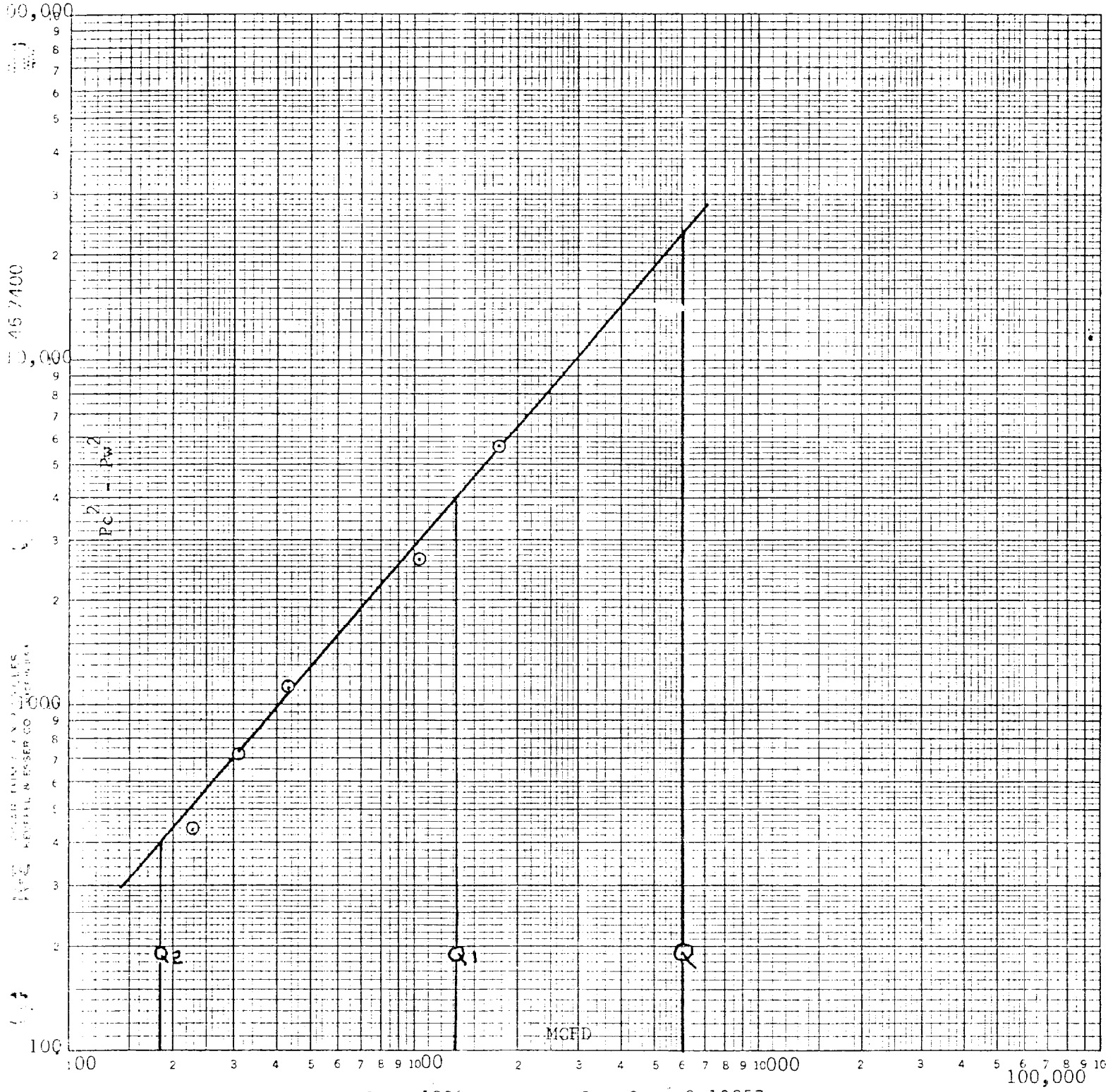
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 6068$

Absolute Open Flow 6068 Mcfd @ 15.025 Angle of Slope θ 49.5 Slope, n .86

Remarks: Pw Substituted for Pt - Measured with Amerada Instrument 6557 0-5700# Element

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Spruell	Spruell	Pyle

Bi- Eddy No. 72
A JLUTE OPEN FLOW TEST
Morrow
5-30-80



Q_1 = 1320 Log Q_1 = 3.12057

Q_2 = 183 Log Q_2 = 2.26007

N = .86

Q = 6068 MCFD