

RECEIVED

C.S.P.

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 9-1-65

JUN 4 1980 MULTIPPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

O. C. D.

Type Test: ARTESIA, OFFICE		☒ Initial ☐ Annual ☐ Special		Test Date: 5-21-80			
Company: Petroleum Corp. of Delaware		Connection: El Paso Natural Gas Company					
Pool: Parkway West		Formation: Morrow		Unit: K			
Completion Date: 4-21-80		Total Depth: 11675		Plug Back TD: 11240			
Elevation: 11324		Parkway West 77					
Coq. Size: 4 1/2	Wt.: 11.6	d: 11675	Set At: 11675	Perforations: From 11240 To 11324			
Trq. Size: 2 3/8	Wt.: 4.7	d: 11160	Set At: 11160	Perforations: From open To end			
Type well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 11100			
Producing Thru: Tbg.		Reservoir Temp. °F: 152 @ 11100		Mean Annual Temp. °F: 60			
Baro. Press. - P _a : 13.2		State: New Mexico					
L: 11100	H: 11100	G _q : .630	% CO ₂ : 	% N ₂ : 	% H ₂ S: 		
Prover: 4"		Meter Run: 4"		Type: Flange			
FLOW DATA							
NO.	Prover Line Size	X	Crifice Size	Press. p.s.i.g.	Diff. hw		
SI							
1.	4 x	.750	564	5.76	90		
2.	4 x	.750	580	10.89	85		
3.	4 x	.750	582	18.49	73		
4.	4 x	.750	530	44.89	62		
5.							
TUBING DATA							
NO.	Press. p.s.i.g.	Temp. °F	Duration of Flow				
1.	2348		48 hrs.				
2.	2254		1 hr.				
3.	2166		1 hr.				
4.	2072		1 hr.				
5.	1895		1 hr.				
CASING DATA							
NO.	Press. p.s.i.g.	Temp. °F	Duration of Flow				
1.							
2.							
3.							
4.							
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.	2.661	57.66	577.2	.9723	1.260	1.045	196
2.	2.661	80.37	593.2	.9768	1.260	1.047	276
3.	2.661	104.90	595.2	.9877	1.260	1.054	366
4.	2.661	156.15	543.2	.9981	1.260	1.055	551
5.							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Lbl.		
1.	.86	550	1.49	.915	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
2.	.89	545	1.48	.912	Specific Gravity Separator Gas .630 XXXXXXXXX		
3.	.89	533	1.45	.900	Specific Gravity Flowing Fluid XXXXX		
4.	.81	522	1.42	.898	Critical Pressure 670 P.S.I.A. P.S.I.A.		
5.					Critical Temperature 368 R R		
P _c 2361.2 P _c ² 5575.3					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.897}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.367}$		
NO.	P _r ²	P _w ²	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.304}$		
1.	2267.5	5141.4	433.9				
2.	2179.7	4751.3	824.0				
3.	2086.2	4352.2	1223.1				
4.	1910.7	3650.7	1924.6				
5.							
Absolute Open Flow 1.304 Mcfd @ 15.025					Angle of Slope 51		Slope, n .810
Remarks: Well made .50 bbls. water and no condensate during test.							
Approved By Commission:		Conducted By: Randy Kiker		Calculated By: Randy Kiker		Checked By:	

PETROLEUM CORPORATION OF DELAWARE

PARKWAY W-11-10.8

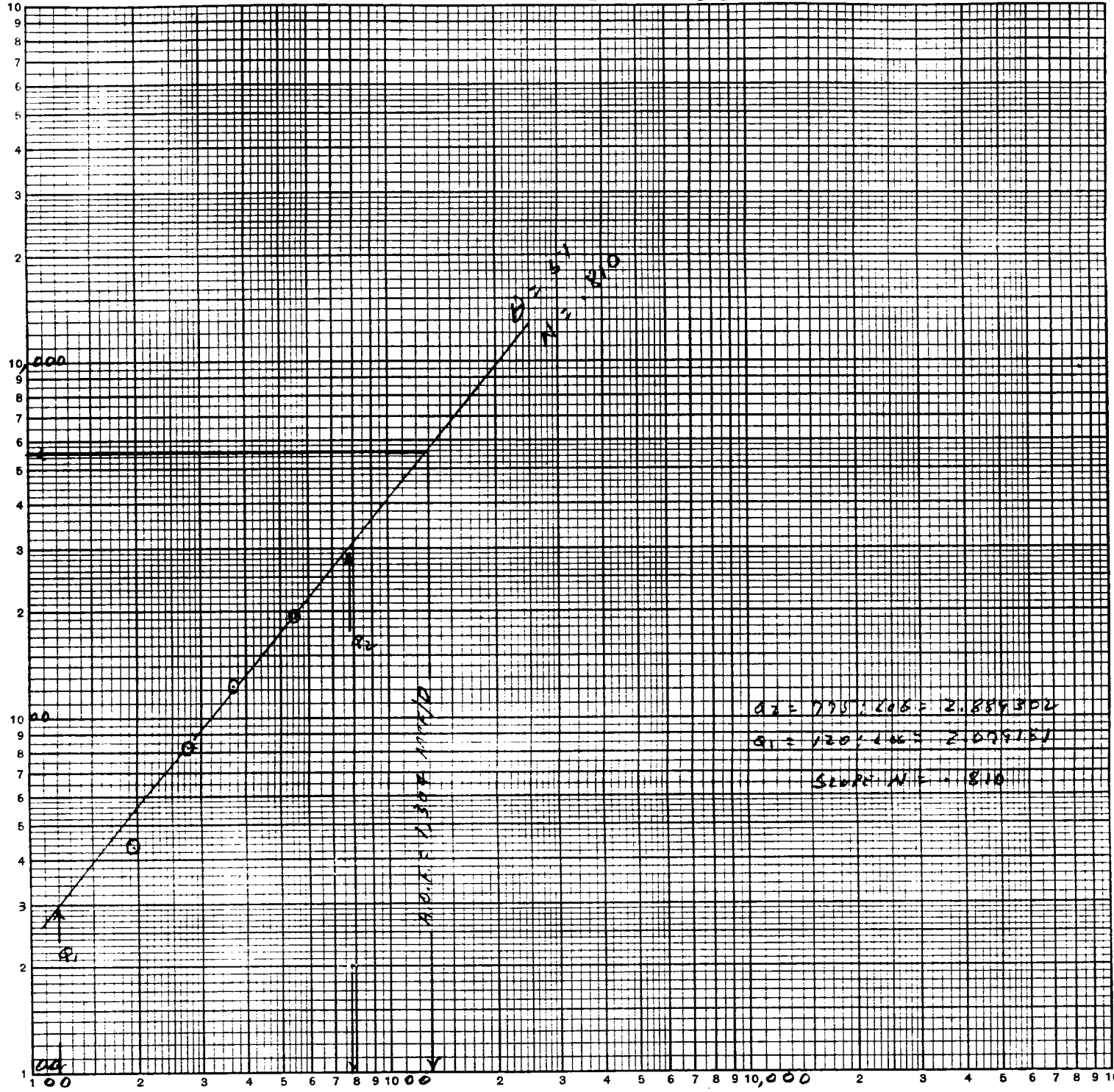
K-22-19-29

EDDY COUNTY, NEW MEXICO

5-21-80

$P_2 - P_1^2$ (in in.)

46 7400
MADE IN U.S.A.
KEUFFEL & ESSER CO.



Q - MCF/DAY

LOCATION: Unit K Section 22 Township 19 Range 29

d 1.995 F 1018231 CH 6993
 P Cr 620 T Cr 368
 TABLE II & A TABLE II & A

1st note	2nd note	3rd note	4th note