

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Basin				Formation Dakota				County San Juan			
Initial X		Annual		Special		Date of Test 2-16-66					
Company PAN AMERICAN PETROLEUM CORPORATION				Lease Gallegos Canyon Unit				Well No. 215			
Unit M	Sec. 16	Twp. 28N	Range 12W		Purchaser						
Casing 4.500	Wt. 10.5	I.D. 4.052	Set at 5983		Perf. 5782-96		To 5895-5911 5860-5880				
Tubing 2-3/8	Wt. 4.7	I.D. 1.995	Set at 5810		Perf. 5773		To 5779				
Gas Pay:	From 5782	To 5911	L 5847	G .700	GL 4093	Bar. Press. 12					
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single						
Date of Completion 2-9-66		Packer None			Reservoir Temp.						

OBSERVED DATA										
Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Line) Size	(Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI	7 Days					2082		2062		
1.	2 Inch	.750	661			661	60° est.	1377	60° est.	3 Hr.
2.										
3.										
4.										
5.										

FLCW CALCULATIONS							
No.	Coefficient (24 Hour)	$\sqrt{h_w p_t}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15.025 psia
1.	12.3650		673	1.0000	.9258	1.086	8368
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS									
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____				
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____				
F _c _____ (1-e ^{-S}) _____					P _c 2094 P _c ² 4,384,836				

No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.						1,929,321	2,455,515		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **12,925** MCFPD: **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

ADDRESS **Box 480, Farmington, New Mexico** COMPANY _____

AGENT AND TITLE **G. W. Eaton, Jr., Area Engineer** _____

