

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 2-15-66 (Potential) (Back Pressure Test 1-27-66)		
Company PAN AMERICAN PETROLEUM CORPORATION			Lease Sandoval Gas Con "C"			Well No. 1		
Unit B	Sec. 35	Twp. 30N	Range 9W		Purchaser El Paso Natural Gas Company			
Casing 4-1/2	Wt. 10.5	I.D. 4.052	Set at 7101		Perf. 6926-44 6950-54		To 7062-78	
Tubing 2-3/8	Wt. 4.7	I.D. 1.995	Set at 6937		Perf. 6900		To 6906	
Gas Pay: From 6926		To 7078		L 7002	G .700	GL 4901	Bar. Press. 12	
Producing Through:		Casing	Tubing X		Type Well — Single — Braden head Single			
Date of Completion 2-7-66		Packer None			Reservoir Temp.			
OBSERVED DATA								
Tested Through: Prover ☐ Choke ☒ Meter ☐					Type of Taps			
FLOW DATA					TUBING DATA		CASING DATA	
No.	(Line) Size	(Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.
SI	8 Days					1859		1859
1.	2 Inch Back Pressure		500			500	60° est.	850
2.	" "	" "	500			500	"	875*
3.	" "	" "	500			500	"	1025*
4.	" "	" "	500			500	"	800
5.	" "	.750	102			102	"	241
								3 Hr.
DURATION OF FLOW HR.								
FLOW CALCULATIONS								
No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF P D @ 15.025 psia	
1.			500	1.000	.9258	-	520	
2.			500	"	"	-	309*	
3.			500	"	"	-	236*	
4.			500	"	"	-	286	
5.	12.3650		114	1.000	.9258	1.012	1321	
PRESSURE CALCULATIONS *Some line freezing experienced.								
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 1871 P_c^2 3,500,641			
No.	P_w 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
1.								$\frac{P_w}{P_c}$
2.								
3.								
4.								
5.								

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OIL CON. COM.
DIST. 3

ABSOLUTE POTENTIAL: **1339** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION**

WITNESSED _____

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

COMPANY _____

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