

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: Rio Arriba	
Initial: XX		Annual:		Special:	
				Date of Test: September 9, 1965	
Owner: PAN-AMERICAN PETROLEUM CORPORATION		Lease: Jicarilla No. 35-B Gas Com		Well No.: 1	
Unit: H	Sec: 11	Twp: 24-N	Range: 5-W	Purchaser: El Paso Natural Gas Company	
Gas: 4-1/2"	Wt.: 10.5#	I.D.: 4.052	Set at: 7039	Perf.: 6927-43	To: 6962-78
Tube: 2-3/8"	Wt.: 4.7#	I.D.: 1.995	Set at: 6981	Perf.: Open	To: Ended
Gas Pay:	From: 6927	To: 6978	L: 6953	G: .700	GL: 4867
					Bar. Press.: 12
Producing Through:		Casing:	Tubing: XX	Type Well - Single - Braden head - G.G. or C.O. Dual: Single	
Date of Completion: August 29, 1965		Packer: None		Reservoir Temp.:	

OBSERVED DATA

Tested Through: Prover ☐ Orifice ☒ Meter ☐										Type of Tape:	
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
No.	(Prover) (Line) 11 days	(Orifice) Size .750	Press. psig. 301	Diff. Pw	Temp. °F.	Press. psig. 1900	Temp. °F. 600 Est	Press. psig. 2117	Temp. °F. 600 Est		
1.	2"	.750	301			301	600 Est	694	600 Est	3 hour	
2.											
3.											
4.											
5.											

FLOW CALCULATIONS

No.	Coefficient (24 Hour) 12.3650	$\sqrt{P_w - P_t}$	Pressure psia 313	Flow Temp. Factor F_t 1.000	Gravity Factor F_g .9258	Compress. Factor F_{pv} 1.037	Rate of Flow Q-MCFPD @ 15.025 psia 3716
1.							
2.							
3.							
4.							
5.							

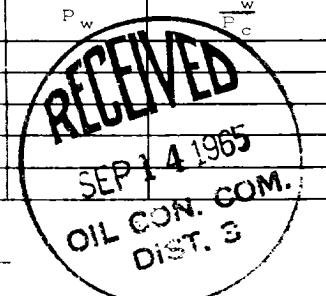
PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ of/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c _____ (1-e^{-S}) P_c **2129** P_c^2 **4,532,641**

No.	$\frac{P_w}{P_t}$ psia	P_t^2	$F_c Q$	$(\frac{P_c}{P_t})^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
1.						498,436	4,034,205		
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **4055** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

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

AGENT AND TITLE **G. W. RUTAN, Jr., Area Eng.**