

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

Form C-122
Revised 12-1-55

Basin Dakota		Formation Dakota		County San Juan	
Initial XX		Annual		Date of Test 8-14-67	
Company PUBCO PETROLEUM CORP.		Lease Federal		Well No. 16	
Plot M	Sec. 9	Twp. 27 North	Range 8 West	Purchaser El Paso Natural Gas Company	
Thrust 5.5	Wt. 15.5	I.D. 4.95	Set at 7462 KB	Perf. 7212 7304 7342	To 7240 7334 7352
Thrust 2.375	Wt. 4.7	I.D. 1.995	Set at 7140 KB	Perf.	To
From 7212	To 7342	L 7140	G .650	GL 4641	Bar. Press.
Casing XX		Tubing XX		Type Well - Single - Braden head - G.G. or G.C. Dual Dual	
Date of Completion 7-27-67		Packer 7140		Reservoir Temp.	

OBSERVED DATA

Flow Data						Tubing Data		Casing Data		Duration of Flow HR.
Pressure psig.	Temp. °F.	Flow bbl.	Pressure psig.	Temp. °F.	Pressure psig.	Temp. °F.	Pressure psig.	Temp. °F.		
					1,973	69°				
	.750				246	69°	Packer			1 hour
	.750				191	70°	"			2 hours
	.750				157	69°	"			3 hours

FLOW CALCULATIONS

Flow Rate (bbl/hr)	$\sqrt{\frac{P_w - P_t}{P_t}}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCFPD @ 15,025 psia
12,365		169	.9915	.9608	1.016	
		2089.685	2071.923	1990.704	2.023	2,023

PRESSURE CALCULATIONS

Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 P_w _____ P_c **1,985** P_c **3,940,225**

$\frac{P_w - P_t}{P_t}$	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 $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
169	28,561	19,020	361,760	103,463	132,024	3,808,201		

ABSOLUTE POTENTIAL: **2,076** MCFPD: **9.75**

COMPANY **PUBCO PETROLEUM CORP.** WITNESSED **Jack Dunning**

ADDRESS **P.O. Box P, Artec, New Mexico** COMPANY **Pubco Petroleum Corp.**

AGENT AND TITLE **Glen O. Broder**
Field Foreman