

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

Form C-122
Revised 12-1-55

Well Blanco		Formation Mesaverde		County San Juan	
Initial XX	Annual	Special	Date of Test 8-14-67		
Company PUBCO PETROLEUM CORP.		Lease Federal		Well No. 16	
Unit M	Sec. 9	Twp. 27 North	Range 8 West	Purchaser El Paso Natural Gas Company	
tubing 5.5"	Wt. 15.5#	I.D. 4.95	Set at 7462	Perf. 5194 5240 5266	To 5197 5252 5270
tubing 1.25"	Wt. 2.33#	I.D. 1.38	Set at 5290	Perf.	To
Well days	From 5157	To 5270	L 5290	G .600	GL 3174
Production Through		Casing	Tubing	Type Well - Single - Brader head - G.G. or G.O. Dual Dual	
Date of Completion 7-27-67		Packer 7140	Reservoir Temp.		

OBSERVED DATA

Pressure Taps ☐ Broar ☐ Choke ☒ Meter ☐								Type of Taps Flange		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
Flow (GPM)	(Choke) (Orifice) Size	Press. psig.	Diff. In.	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.		
	.750				704	54°	867			
	.750				180		770		1 hour	
	.750				125		748		2 hours	
	.750				121		736		3 hours	

FLOW CALCULATIONS

Coefficient (At flow)	$\sqrt{\frac{q}{w} P_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF PD @ 15,025 psia
12,365		133 1644	1.0048 1651.891	1.000 1651.891	1.011 1,670	1,670

PRESSURE CALCULATIONS

Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 $P_c = \frac{P_w}{1 - e^{-S}}$ $P_c = \frac{P_w}{1 - e^{-S}}$ $P_c = \frac{P_w}{1 - e^{-S}}$

	P_w psia	P_c psia	$(F_c Q)^2$	$(F_c Q)^2 (1 - e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.					559,504	213,137		

ABSOLUTE POTENTIAL: **4,387** MCFPD; n _____

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

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

AGENT AND TITLE **Glen O Rhodes**
Field Foreman