

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

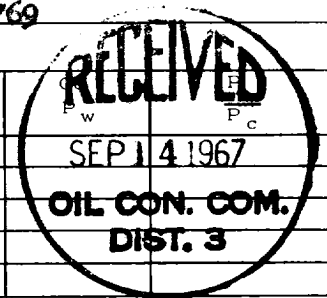
Form C-122
Revised 12-1-55

Pool Basin			Formation Dakota			County San Juan		
Initial XI		Annual		Special		Date of Test August 28, 1967		
Company FURCO PETROLEUM CORP.			Lease State Conn HL			Well No. 36		
Unit 0	Sec. 32	Tw. 31 North	Range 8 West		Purchaser El Paso Natural Gas Company			
Casing 4.5	Wt. 10.5	I.D. 4.052	Set at 7753		Perf. 7518	To 7698		
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 7706		Perf. ---	To ---		
Gas Pay: From 7518		To 7698		L 7706	G	GL	Bar. Press.	
Producing Through:		Casing	Tubing XI		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion 7-31-67		Packer		Reservoir Temp.				

OBSERVED DATA										
Tested Through: Prover ☐ Choke XI Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.						2,069		2,125		
2.		0.75				442		1,311		1 hour
3.		0.75				373		1,141		2 hours
4.		0.75				313		1,042		3 hours
5.										

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 PD @ 15.025 psia
1.	12.365		325	24	1.00	1.022	
2.				.9777	1.00		
3.							
4.			4018.625	3929.01	3929.01	4015.448	4015
5.							

PRESSURE CALCULATIONS							
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.				Specific Gravity Separator Gas _____			
Gravity of Liquid Hydrocarbons _____ deg.				Specific Gravity Flowing Fluid _____			
P _e _____ (1-e ^{-S}) _____				P _c 2,137 P _c ² 4,566,769			
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
1.						1,120,916	
2.							
3.							
4.							
5.							



ABSOLUTE POTENTIAL: **4,947** MCFPD; n **75 (1.3215) 1.2321**

COMPANY **FURCO PETROLEUM CORP.** WITNESSED _____

ADDRESS **P.O. Box P, Artes, New Mexico** COMPANY _____

AGENT AND TITLE **Alan O. Rhodes**
Field Foreman