

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

Form C-122
Revised 12-1-55

Pool Dania		Formation Dakota		County Rio Arriba	
Initial XX		Annual		Date of Test 8-14-67	
Company FURCO PETROLEUM CORP.		Lease Federal		Well No. 13	
Unit K	Sec. 21	Twp. 26 North	Range 6 West	Purchaser El Paso Natural Gas Company	
Casing 4.5	Wt. 10.54	I.D. 4.092	Set at 7480 KB	Perf. 7280	To 7400
Tubing 2.375	Wt. 4.74	I.D. 1.995	Set at 7409	Perf.	To
Gas Pay:	From 7280	To 7400	L 7409	G .650	GL 4816
Producing Through:		Casing	Tubing XX	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 ☒ 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.						1486		2378		
2.		0.75				308	77°	982		1
3.		0.75				274	79°	756		2
4.		0.75				249	79°	702		3
5.										

FLOW CALCULATIONS

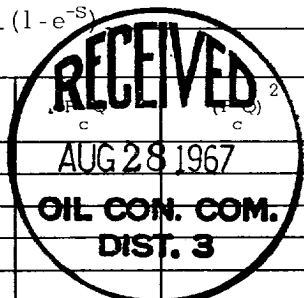
No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15.025 psia
1.	12.365		261	0.9822	1.000	1.000	
2.			3827.265	3169.880	3169.880	3233.216	3833
3.							
4.							
5.							

PRESSURE CALCULATIONS

C_h Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 F_c _____ (1-e^{-S})

Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 P_c **2390** P_c² **5,712,100**

No.	$\frac{P_w}{P_t}$ psia	P _t ²	$\frac{P_w^2}{P_t^2}$	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cd P _w	$\frac{P_w}{P_c}$
1.					505,756	3,233,304		
2.								
3.								
4.								
5.								



ABSOLUTE POTENTIAL: **3,468** MCFPD; n **0.75**

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

ADDRESS **P.O. Box F, Aztec, New Mexico** COMPANY **Furco Petroleum Corp.**

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