

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

Form C-122
Revised 12-1-55

Pool		Formation		County	
Basin		Dakota		San Juan	
Initial	Annual	Special	Date of Test		
XX			July 27, 1967		
Company		Lease		Well No.	
FURCO PETROLEUM CORP.		Federal		15	
Unit	Sec.	Twp.	Range	Purchaser	
A	1	29 North	13 West	El Paso Natural Gas Company	
Casing	Wt.	I.D.	Set at	Perf.	To
4.5"	10.5		6175	5942	6110
Tubing	Wt.	I.D.	Set at	Perf.	To
2.375	4.7		6145	6118	6128
Gas Pay:	From	To	L	G	GL
	4942	6140			Bar. Press.
Producing Through:		Casing	Tubing	Type Well — Single — Braden head — G.G. or G.O. Dual	
			XX	Single	
Date of Completion		Packer	Reservoir Temp.		

OBSERVED DATA

Tested Through:						Type of Taps				
Prover ☐ Choke ☒ Meter ☐						Flange				
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.		.750				2,039		2,047		
2.		.750				636	80	1,581		1 hour
3.		.750				575	93	1,494		2 hours
4.		.750				540	95	1,445		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		.552	.95°	.650		
2.			6825.48	.9680	1.2403	1.048	8,588
3.					8194.743	8588.090	
4.							
5.							

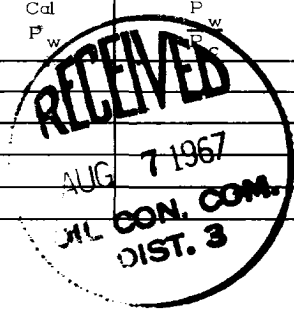
PRESSURE CALCULATIONS

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

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

P_c _____ (1-e^{-S}) P_c **2047 + 12** P_c^2 **4,239,481**

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	$P_c^2 - P_w^2$	Cal P_w	P_w
1.						2,122,849	2,116,632		
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **14,457** MCFPD; n **1.6835**

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

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

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