

Pool Basin Dakota		Formation Dakota		County Rio Arriba	
Initial X	Annual	Special	Date of Test 4-20-66		
Company Beta Development Co.		Lease San Juan 28-6		Well No. 120	
Unit I	Sec. 9	Twp. 28N	Range 6W	Purchaser El Paso Natural Gas Co.	
Casing 4-1/2	Wt. 10.5 11.6	I.D. 4.052	Set at 7829	Perf. 7634	To 7784
Tubing 2.375	Wt. 4.70	I.D. 1.995	Set at 7762	Perf. Open	To End
Gas Pay:	From 7634	To 7784	L 7748	G .670	GL 5191 Bar. Press. 12.0
Producing Through:		Casing X	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual single - gas	
Date of Completion 4-7-66		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) 3/4	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI						2643		2687		10 days
1.		3/4	245		68	245	68	955		3 hrs
2.										
3.										
4.										
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.							
2.	12.3650		257	.9924	.9463	1.026	3.062
3.							
4.							
5.							

PRESSURE CALCULATIONS

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

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

F_c _____ (1-e^{-S}) _____ P_c **2699** P_c² **2284.6**

P_w **967** P_w² **935.0**

No.	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 / P _c
1.						935.0	6349.6		.358
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **3,393** MCFPD: **.75**

COMPANY **Beta Development Co.** WITNESSED **C.L. Wagner**

ADDRESS **234 Petr. Club Plaza, Farmington, N. M.** COMPANY **El Paso Natural Gas Co.**

AGENT AND TITLE **G.L. Hoffman, Prod. Engr.**

