

3-OCC, 1-HLKendrick, 1-BParrish
 2-Phillips (Cullender, Walcast)
 1-Comm. Pub. Lands, 1-LDH, MULTICOUNT, BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 12-1-55

Pool Basin Dakota		Formation Dakota		County Rio Arriba	
Initial X	Annual	Special	Date of Test 5-13-65		
Company Beta Development Co.		Lease San Juan 29-6 Unit		Well No 87	
Unit H	Sec. 33	Twp 29	Range 6	Purchaser El Paso Natural Gas Co.	
Casing 4 1/2	Wt. 11.6	I.D. 4.052	Set at 7813	Perf. 7628	To 7732
Tubing 2 3/8"	Wt. 4.70	I.D. 1.995	Set at 7737	Perf. open	To end
Gas Pay:	From 7628	To 7732	L 7724	G .670	GL 12.0
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual single gas	
Date of Completion 5-5-65	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	(Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.		Temp. °F.
1.		3/4	324		73	2543 324	73	2691 1171		7 days 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 P D @ 15.025 psia
1.	12.3650		336	.9877	.9463	1.033	4,012
2.							
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_w **2703** P_c **7306.2**
 P_w **1183** P_w **1399.5**

No.	P_w 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	$\frac{P_w}{P_c}$
1.						1399.5	5906.7		.437
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **4,705** MCFPD: n **.75**

COMPANY **Beta Development Co.** WITNESSED **H. McAnally**
 ADDRESS **234 Petr. Club Plaza, Farmington, N.M.** COMPANY **El Paso Natural Gas Co.**
 AGENT AND TITLE **G.L. Hoffman, Prod. Engr.**

