

3-OCC, 1-Intl, 1-BParrish, 1-HLKendrick
 1-TCA, 1-LDH, 1-TCowan NEW MEXICO OIL CONSERVATION COMMISSION
 1-F MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

Revised 12-1-55

Pool Basin Dakota		Formation Dakota		County San Juan	
Initial X		Annual		Date of Test 8-4-65	
Company Beta Development Co.		Lease Feuille Federal		Well No. 3	
Unit D	Sec. 23	Twp. 28N	Range 9W	Purchaser El Paso Natural Gas Co.	
Casing 4-1/2	Wt. 10.5	I.D. 4.052	Set at 7015	Perf. 6802	To 6978
Tubing 2-3/8	Wt. 4.70	I.D. 1.995	Set at 6965	Perf. Open	To End
Gas Pay: From 6802		To 6978		Bar. Press. 12.0	
Producing Through:		Casing X		Type Well - Single - Braden head - G.G. or G.O. Dual single - gas	
Date of Completion 7-16-65		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	(Choke) (Line) Size	Press. psig.	Diff. F _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.		3/4	177		78	1719 177	78	1691 535		10 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		189	.9831	.9463	1.017	2.212
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_c **1731** P_c² **2996.3**
 P_w **1547** P_w² **299.2**

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	$\frac{P_w}{P_c}$
1.						299.2	2697.1		.316
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2,388** MCFPD; n **.75**

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

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

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

