

3-00C, 1-HLKendrick, 1-BParrish

2-Phillips (Wolgaest, Cullender)

1-Comm. Pub. Lands

1-ICA, 1-LDN, 1-ICowan, 1-F

MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT 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 6-29-65		
Company Beta Development Co.		Lease San Juan 29-6 Unit		Well No. 89	
Unit M	Sec. 11	Twp. T 29N	Range R 6W	Purchaser El Paso Natural Gas Co.	
Casing 4-1/2	Wt. 11.6 10.5	I.D. 4.052	Set at 7937	Perf. 7806	To 7912
Tubing 2-3/8	Wt. 4.7	I.D. 1.995	Set at 7892	Perf. Open	To End
Gas Pay:	From 7806	To 7912	L 7879	G .670	GL 5287 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 6-18-65		Packer		Reservoir Temp.	

OBSERVED DATA

Tested Through:								Type of Taps		
Prover ☐ Choke ☒ Meter ☐										
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.	
SI						2658		2658		8 day
1.		3/4	335			335	70	1288		3 hr
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.	12.3650		347	.9905	.9463	1.034	4.158
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 **2670** P_w² **7128.9**
 P_w **1300** P_w² **1690.0**

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	$\frac{P}{P_c}$
1.						1690.0	5438.9		.486
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **5,094** 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.**

RECEIVED

JUL 1 1965

OIL CON. COM.

DIST. 3