

File

-OCC, 2-Phillips (Wolgaast, Oklahoma)
1-Comm. Pub. Lands,
1-BParrish, 1-HKendrick, 1-LIN, 1-TCA, 1-TCowan, 2-F
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 7-3-66		
Company Beta Development Co.		Lease San Juan 29-6 Unit		Well No. 96	
Unit M	Sec. 2	Twp. 29N	Range 6W	Purchaser El Paso Natural Gas Co.	
Casing 4-1/2	Wt. 10.5# 11.6#	I.D. 4.000	Set at 7897	Perf. 7753	To 7856
Tubing 2.375	Wt. 4.70	I.D. 1.995 v	Set at 7845	Perf. Open	To End
Gas Pay:	From 7753	To 7856	L 7834	G .670	GL Bar. Press. 12.0
Producing Through:		Casing X	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual Single - Gas	
Date of Completion 6-18-66		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) (Line) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI						2591		2591		8 days
1.		3/4"	124		74	124	74	571		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.	12,3650		136	.9868	.9463	1.012	1,589
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 **2603** P_c² **6775.6**
 P_w **583** P_w² **339.8**

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.						339.8	6435.8		
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **1,652** MCFPD; n **.75**

COMPANY **Beta Development Co.** WITNESSED **Al Loliet**

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

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