

1-OCC, 2-Phillips (Holgaest, Cullender) 1-LIH, 1-BParrish

1-MLKendrick, 1-YCA,

1-Comm. Pub. Lands, 1-TCowan

1-F

NEW 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		Date of Test 9-24-65	
Company Beta Development Co.		Lease San Juan 29-6 Unit		Well No. 92	
Unit M	Sec. 12	Twp. 29N	Range 6E	Purchaser El Paso Natural Gas Co.	
Casing 4-1/2	Wt. 10.5	I.D. 4.032	Set at 7994	Perf. 7843	To 7942
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 7954	Perf. Open	To End
Gas Pay:	From 7843	To 7942	L 7942	G .670	GL 5321
				Bar. Press. 12-0	
Producing Through:		Casing	Tubing X	Type Well — Single — Braden head — G.G. or G.O. Dual Single gas	
Date of Completion 9-11-65		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) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.		3/4"	340		69	340	69	1211		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 PD @ 15,025 psia
1.	12.3650		352	.9915	.9463	1.037	4,235
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 **2503** P_w **1273** P_c² **6265.0** P_w² **1495.7**

No.	$\frac{P_w}{P_t}$ psia	P_t^2	F _c Q	(F _c Q) ²	(F _c Q) ² (1 - e ^{-S})	$\frac{P_w^2}{P_c^2}$	$\frac{P_c^2 - P_w^2}{P_c^2}$	Cal P _w	$\frac{P_w}{P_c}$
1.						1495.7	4769.3	.489	
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **5,196** MCFPD; n **.75**

COMPANY **Beta Development Co.** WITNESSED **H. McNally**

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

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

