

3-CCC, 1-HLKendrick, 1-BPacish
1-Rock Island, 1-Columbo
1-LDM, 1-TCA, 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 San Juan	
Initial X		Annual		Date of Test 2-23-65	
Company Beta Development Co.		Lease Rock Island Federal		Well No. 1	
Unit M	Sec. 9	Twp. 29	Range 10	Purchaser El Paso Natural Gas Co.	
Casing 4-1/2"	Wt. 10.5	I.D. 4.052	Set at 6820	Perf. 6651	To 6703
Tubing 2-3/8"	Wt. 4.70	I.D. 1.995	Set at 6681	Perf. Open	To End
Gas Pay:	From 6651	To 6703	L 6668	G .670	GL 4470
				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 2-14-65		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. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.		Temp. °F.
SI						1882		1882		7 days
1.		3/4	270		79	270	79	887		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 P D
1.	12.3650		282	.9822	.9461	1.026	
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 **1894** P_w **3587.2**

P_w **899** P_w **808.2**

No.	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	P _w P _c
1.						808.2	2779.0		.474
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **4,027** MCFPD; n **75**

COMPANY **Beta Development Co.** WITNESSED **Bill Dawson**

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

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

