

3-OCC, 1-HLKendrick
1-BParrish, 1-LDH
1-TCA, 1-TCowan, 2-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		Special		Date of Test 2-28-67				
Company Beta Development Co.			Lease Marx Federal			Well No. 1				
Unit P	Sec. 20	Twp. 30	Range 11		Purchaser El Paso Natural Gas Co.					
Casing 4.5	Wt. 10.5	I.D. 4.052	Set at 6760		Perf. 6356	To 6718				
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 6656		Perf. Open	To End				
Gas Pay:	From 6356	To 6718	L 6656	G .670	GL 4460	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 2-16-67		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) 2000 Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI						1795		1795		8 days
1.		3/4"	215		78	215	78	695		3 hrs
2.										
3.										
4.										
5.										
FLOW CALCULATIONS										
No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	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		227	.9831	.9463	1.021	2,666			
2.										
3.										
4.										
5.										
PRESSURE CALCULATIONS										
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____					
Gravity of Liquid Hydrocarbons _____					Specific Gravity Flowing Fluid _____					
F _c _____ (1-e ^{-S})					P _c 1807		P _c ² 3265.2			
					P _w 707		P _w ² 499.8			
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.						499.8	2765.4			
2.										
3.										
4.										
5.										

ABSOLUTE POTENTIAL: **3,019** MCFPD; n **.75**

COMPANY **Beta Development Co.** WITNESSED **Don Norton**

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

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