

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

3-000, 1-Millicordrick MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

1-BParrish, 1-LBN, 1-TGA, 1-TGann, 1-F

Pool Basin Dakota		Formation Dakota		County San Juan					
Initial X	Annual		Special	Date of Test 6-1-66					
Company Beta Development Co.		Lease Elbow Federal		Well No. 1					
Unit E	Sec. 13	Twp. 24N	Range 9W	Purchaser El Paso Natural Gas Co.					
Casing 4.5	Wt. 10.5	I.D. 4.052	Set at 6646	Perf. 6308	To 6597				
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 6575	Perf. open	To end				
Gas Pay: From 6308		To 6597		Bar. Press. 12.0					
Producing Through: single - gas		Type Well - Single - Braden head - G.G. or G.O. Dual							
Date of Completion 8-30-66		Packer X		Reservoir Temp.					
OBSERVED DATA									
Tested Through: Prover ☐ Choke ☒ Meter ☐				Type of Taps					
FLOW DATA									
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.				
1.									
2.									
3.									
4.									
5.									
TUBING DATA									
No.	Press. psig.	Temp. °F.							
1.									
2.									
3.									
4.									
5.									
CASING DATA									
No.	Press. psig.	Temp. °F.							
1.									
2.									
3.									
4.									
5.									
DURATION OF FLOW HR.									
1.									
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.									
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 _____ P _c ² _____					
				P _w _____ P _w ² _____					
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	$\frac{Q_g}{P_w}$	$\frac{P_w}{P_c}$
1.									
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **5,836** MCFPD: **11.75**COMPANY **Beta Development Co.** WITNESSED **Walter Cassidy**ADDRESS **234 Petr. Club Plaza, Farmington, N.M.** COMPANY **El Paso Natural Gas Co.**AGENT AND TITLE **G. L. Hoffman, Prod. Engr.**