

3-OCC, 1-HLKendrick
1-BParrish, 1-LDH, 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		Special		Date of Test 7-9-65					
Company Beta Development Co.				Lease Blanco Wash Federal				Well No. 2			
Unit A	Sec. 34	Twp. 28N	Range 9W		Purchaser El Paso Natural Gas Co.						
Casing 4-1/2	Wt. 11.6 10.5	I.D. 4.052	Set at 6901		Perf. 6717		To 6860				
Tubing 2-3/8	Wt. 4.70	I.D. 1.995	Set at 6864		Perf. Open		To End				
Gas Pay:		From 6717	To 6860	L 6852	G .670	GL 4591	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 6-26-65		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.		
SI						1995		2063		7 days	
1.		3/4	215		72	215	72	774		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 P D @ 15,025 psia				
1.	12.3650		227	.9887	.9463	1.022	2,684				
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 2075		P_c^2 4305.6				
					P_w 786		P_w^2 617.8				
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	$\frac{P_w}{P_c}$		
1.						617.8	3687.8		.378		
2.											
3.											
4.											
5.											

ABSOLUTE POTENTIAL: **3,014** MCFPD; n **.75**

COMPANY **Beta Development Co.** WITNESSED **HMcAnally**

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

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

