

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

Revised 12-1-55

Pool Basin		Formation Dakota		County San Juan	
Initial X		Annual		Date of Test 1-17-67	
Company General Petroleum Corp.		Lease Red Island		Well No. 1	
Unit D	Sec. 22	Twp. 29N	Range 9E	Purchaser	
Casing 4 1/2"	Wt. 10.5	I.D.	Set at 6850	Perf. 6581	To 6846
Tubing 1 1/4"	Wt. 2.6	I.D.	Set at 6746	Perf. Open End	To
Gas Pay: From 6581		To 6846		Bar. Press.	
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual Single - Gas	
Date of Completion 1-16-67		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) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	
1.						3001		3022	
2.									
3.		3/4"	123		52			1051	3 Hr.
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.	12.350		135	1.0078	0.9393	1.016	1605
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 _____ P_c **2034** P_c² **4,137.15**

No.	$\frac{P_w}{P_t}$ psia	P_t^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.							
2.							
3.	1003			1,129,909	3,007,187		1.376
4.							
5.							

ABSOLUTE POTENTIAL: **2040** MCFPD; n **0.75** **1.271**

COMPANY **General Petroleum Corp.** WITNESSED _____
 ADDRESS **1700 Broadway, Denver, Colo. 80202** COMPANY _____

AGENT AND TITLE **Robert L. ...**
Consulting Engineer