

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

Form C-122

Revised 12-1-55

Pool Tapacito Pictured Cliffs			Formation Pictured Cliffs			County Rio Arriba		
Initial XX		Annual		Special		Date of Test 7-23-65		
Company Southern Union Production				Lease Jicarilla "B"			Well No. 6-8	
Unit F	Sec. 25	Twp. 26-N	Range 4-W		Purchaser Southern Union Gas Company			
Casing 4-1/2"	Wt. 9.50	I.D. 4.090	Set at 3664		Perf. 3589	To 3616		
Tubing 1-1/2"	Wt. 2.75	I.D. 1.610	Set at 3585		Perf. 3577	To 3585		
Gas Pay:	From 3589	To 3616	L 3577	G .650	GL 2325	Bar. Press. 12.0		
Producing Through:		Casing XX	Tubing XX		Type Well - Single - Braden head - G.G. or G.O. Dual Single Gas			
Date of Completion 7-15-65		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.	
1.						813		811		8 days
2.	2"	3/4	237		580	237	580	712		3 hrs.
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		249	1.0019	.9608	1.025	3038
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 **825** P_c^2 **680625**

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 $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
1.						524176	156449		.878
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **10,600** MCFPD: n **.85**

COMPANY **Southern Union Production Company** WITNESSED _____

ADDRESS **P. O. Box 808 - Farmington, N.M.** COMPANY _____

AGENT AND TITLE **Verne Rockhold, Engineer**

Original Signed By _____

(3) N.M. O.C.C.
(1) Mr. Paul J. Clote
(1) Mr. Bob Corliss

(1) Mr. Todd Hickman
(1) File

