

**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		Date of Test 7-23-65	
Company Southern Union Production		Lease Jicarilla "D"		Well No. 9-2	
Unit N	Sec. 31	Twp. 26-N	Range 3-W	Purchaser Southern Union Gas Company	
Casing 5-1/2	Wt. 15.5	I.D. 4.950	Set at 3949	Perf. 3811	To 3842
Tubing 1-1/2	Wt. 2.75	I.D. 1.610	Set at 3830	Perf. 3822	To 3830
Gas Pay: From 3811		To 3842		L 3822	G .650
				GL 2484	Bar. Press. 12.0
Producing Through:		Casing	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.	2"	3/4	184		570	184	570	632	622	8 days 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		196	1.0029	.9608	1.020	2382
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 **644** P_c² **414736**

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.						401956	12780		.984
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **45,871** MCFPD: n **.85**

COMPANY **Southern Union Production** WITNESSED _____

P. O. Box 808

ADDRESS **Farmington, New Mexico**

AGENT AND TITLE **Verne Rockhold - Engineer**

Original Signed By _____

COMPANY

(3) N.M.O.C.C.	(1) Mr. Todd Hickman
(1) Mr. Paul Glote	(1) File
(1) Mr. Bob Corliss	
(1) Mr. Russ Motta	

