

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

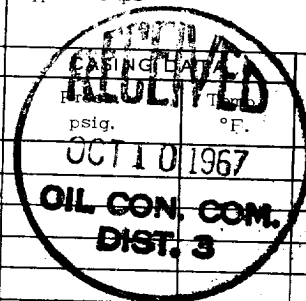
Form C-122

Revised 12-1-55

Pool BASIN		Formation DAKOTA		County RIO ARriba	
Initial		Annual		Special	
Company XX		Lease		Date of Test 10/2/67	
Under Southern Union Production Company		Jicarilla "J"		Well No. 10	
Casing I	Sec. 26	Twp. 26 North	Range 5 West	Purchaser Southern Union Gas Company	
Tubing 5.500	Wt. 15.50	I.D. 4.950	Set at 7514	Perf. 7252	To 7480
1.990	From 2.90	To 1.610	L 7258	G 7250	GL 7258
Gas Pay: 7252		Casing 7480	Tubing 7240	.700	Bar. Press. 5068
Producing Through:		Type Well - Single - Braden head - G.G. or G.O. Dual			
Date of Completion 9/19/67		Packer 7090		Reservoir Temp.	
XX Dual - Gas - Gas					

OBSERVED DATA

Tested Through:		Prover ☐	Choke ☒	Meter ☐	Type of Taps	
FLOW DATA					TUBING DATA	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	DURATION OF FLOW HR.
1.	2"	3/4"			2370	11 days
2.					308	3 hrs.
3.					550	
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.	12,3650		320	1.0048	.9258	1.038	3,821
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid _____
 F_c **16.46** $(1-e^{-S})$ **0.308** P_c **2382** P_c^2 **5,673,924**

No.	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.									
2.	320	102,400	62,894	3,955,655	1,218,342	1,320,742	4,353,182	1149	.4824
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **4,660** MCFPD: n **.75**

COMPANY **Southern Union Production Company** WITNESSED _____

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

AGENT AND TITLE **Kenneth E. Roddy - Production Technician** Original signed by
Kenneth E. Roddy

