

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BAC PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-63

Type Test ☒ Initial ☐ Annual ☐ Special				Date 9/15/75			
Company Southern Union Production Co.				Connection Southern Union Gathering Company			
Pool Blanco				Formation Mesaverde			
Completion Date 9/3/75		Total Depth 5515		Plug back TD 5476		Elevation 6095 Gr.	
Well No. 7-00 4-50		Well ID 23.00 10.50		Perforations From 4907 To 5470		Well No. 3-A	
Tub. Size 2.0625		Well ID 3.25		Perforations From 5265 To 5271		Unit Sec. Twp. Rge. I 11 31N 9W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12		State New Mexico	
L 5253		H 0.700		% CO ₂		Meter Run Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	2"		3/4"				574		574		7 Days
2.							112	60°	485		3 Hours
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{q_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{sp}	Rate of Flow Q, Mcfd
1	12.3650		124	1.0000	0.9258	1.014	1439
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas-Liquid Hydrocarbon Ratio	MoI/bbl
1					A.P.L. Gravity of Liquid Hydrocarbons	Des.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	°F

P _c 586	P _c ² 343,396	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.5627$			
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²	$Q = 40 \left[\frac{B^2}{P_c^2 - P_w^2} \right]^n = 3732$
1		497	247,009	96,387	
2.					
3.					
4.					
5.					

Absolute Open Flow	3732	MoI/bbl 15.621	Angle of Slope	Slope, n 0.75
Remarks:				

Approved By Commission:	Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy	Checked By:
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