

NEW MEXICO OIL CONSERVATION BOARD
MULTIPOINT AND ONE POINT WELL PRESSURE TEST FORM - 15 - WELL

Form 15-1
Revised 1-75

☒ Initial ☐ Annual ☐ Special 9/2/75									
Southern Union Production Co.					Southern Union Gas Company				
Tapacito					Pictured Cliffs				
Completion Date 8/20/75		Total Depth 3575		Perforation Depth 3550		Perforation Gravel 6818 Gr.		Name of Section Jicarilla "E"	
Test Size 4.500	Wt. 9.50	d 	Set At 3575	Perforation From 3464	To 3494	Well No. 11			
Test Size 1.900	Wt. 2.90	d 1.610	Set At 3450	Perforation From 3440	To 3450	Unit C	Sec. 22	Twp. 26N	Range 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple									
Single									
Producing Thru Tubing		Reservoir Temp. °F 		Mean Annual Temp. °F 		Pressure 12		Name New Mexico	
C 3428	H 	Gg 0.620	% CO ₂	B.W. 	G.P.G. 	G.P.G. 	G.P.G. 	G.P.G. 	G.P.G.
FLOW DATA									
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. in w	Temp. °F	Flow Rate No. 1	Flow Rate No. 2	Flow Rate No. 3
1	2"		3/4"				432	432	10 Days
2							124	60°	372
3									
4									
5									
RATE OF FLOW CALCULATIONS									
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. °F	Gravim. Factor P _g	Gravim. Factor P _g	Rate of Flow Q, Mscf		
1	12.3650		136	1.0000	0.9837	1.011	1672		
2									
3									
4									
5									
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ A.P.I. Gravity of Liquid Hydrocarbon _____ Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ Critical Temperature _____				
1									
2									
3									
4									
5									
F _c 444 P _c ² 197,136					(1) $\frac{P_c^2}{P_c^2 - P_w} = \frac{197,136}{197,136 - 384} = \mathbf{3.9681}$				
NO.	P _w	P _w ²	P _c ² - P _w ²	$\left[\frac{F_c}{P_c^2 - P_w} \right]^2 = \mathbf{3.2270}$					
1	384	147,456	49,680						
2									
3									
4									
5									
Absolute Res. Flow 5396					Slope, n 0.85				
Remarks:									
Approved By Commission:					Conducted By:				
Kenneth E. Roddy					Kenneth E. Roddy				