

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10/22/74			
Company Southern Union Production Co.				Connection Southern Union Gas Company				
Pool Tapacito				Formation Pictured Cliffs				Unit
Completion Date 10/5/74		Total Depth 3710		Plug Back TD 3673		Elevation 6917 GL		Farm or Lease Name Jicarilla "A"
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 3709	Perforations: From 3625 To 3656			Well No. 16	
Tbg. Size 1.660	Wt. 2.33	d 1.380	Set At 3592	Perforations: From To			Unit Sec. Twp. Rge. I 13 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At ---		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico
L 3580	H	Gg 0.620	% CO ₂	% N ₂	% H ₂ S	Prover	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	
SI	2"		3/4"				869		869		7 Days
1.							148	57°	578		3 Hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		160	1.0029	0.9837	1.013	1977
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		590	348,100	428,061
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8132$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3278$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6583$

Absolute Oper. Flow 3278 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 0.35
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Remarks: _____

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