

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 12/6/67			
Company Southern Union Production Co. Southern Union Gas Company					Connection			
Pool Undesignated					Formation Gallup		Unit	
Completion Date 11/13/67		Total Depth 8044		Plug Back TD 8010		Elevation 6954		Farm or Lease Name Jicarilla "E"
Csg. Size 7-7/8"	Wt. 26.40	d	Set At 8044	Perforations: From 7800 To 7980		Well No. 7		
Tbg. Size 1-1/2"	Wt. 2.75	d	Set At 7317	Perforations: From 7309 To 7317		Unit P	Sec. 15	Twp. 26N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas					Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico
L 7299	H	Gg .700	% 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.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F
1.	2"		3/4"			1344		1343	
2.						197	52	835	
3.									
4.									
5.									

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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		209	1.0078	.9258	1.024	2.469
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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

P _c 1356	P _c 1,838,736	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\underline{1.6398}}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{1.4491}}$
NO.	P _t ²	P _w	P _w ²
1	43,681	847	717,409
2.			
3.			
4.			
5.			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{3,578}}$

Absolute Open Flow 3,578 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: _____

ORIGINAL SIGNED BY
WAYNE WARRINGTON

Approved By Commission:	Conducted By: W. Warrington	Calculated By: W. Warrington	Checked By: W. Warrington
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