

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

Form C-122
 Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-22-83	
Company Union Texas Petroleum Corp.				Connection Southern Union Gathering Company			
Pool Flora Vista				Formation Gallup		Unit	
Completion Date 2/20/83		Total Depth 7024		Plug Back TD 6580		Elevation 6010	
Farm or Lease Name Taliaferro							
Crag. Size 4.500		Wt. 10.50 11.60		d 4.052 4.000		Set At 7024	
Perforations: From 5913 To 6284		Well No. 8					
Tiq. Size 2.375		Wt. 4.70		d 1.995		Set At 6350	
Perforations: From 6287 To 6293		Unit Sec. Twp. Rge. C 31 31N 12W					
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single - Gas						Packer Set At -----	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12	
State New Mexico							
L 6277		H		Gg 0.700		% 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.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	2"		3/4"				573		922		7 Days
1.							125	61°	311		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 F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		137	0.9990	0.9258	1.015	1590
2.							
3.							
4.							
5.							

NO.	P _f	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

$P_c = 934$ $P_c^2 = 872,356$					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1358$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1001$	
NO.	P _f	P _w	P _w ²	P _c ² - P _w ²				
1		323	104,329	768,027				
2								
3								
4								
5								

Absolute Open Flow <u>1749</u> Mcfd @ 15.025					Angle of Slope θ _____		Slope, n <u>0.75</u>		
Remarks: _____									
Approved By Commission:			Conducted By: Ken Roddy			Calculated By: Ken Roddy		Checked By:	