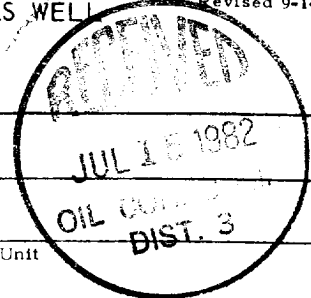


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5-26-82				
Company Southern Union Exp. of Texas					Connection				
Pool Indesignated					Formation Gallup				
Completion Date 5-19-82		Total Depth 8420		Plug Back TD 8396.64		Elevation 6699' GR		Farm or Lease Name SUSCO # 16	
Csg. Size 5.500	Wt. 17#	d 4.892	Set At 8420	Perforations: From 7574 To 7926		Well No. State # 1			
Tbg. Size 2 1/16	Wt. 3.25#	d 1.750	Set At 7542	Perforations: From To		Unit M	Sec. 16	Twp. 32	Rge. 8
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual G.G.					Packer Set At 8190		County San Juan		
Producing Thru Tbg.		Reservoir Temp. °F 220 @ 8420		Mean Annual Temp. °F		Baro. Press. - P _g		State New Mexico	
H		G _g	% CO ₂	% N ₂	% H ₂ S	Prover 3/4 Choke		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.	
SI							2755		2910	
1.		.750		14		78			421	
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	12,365		26	0.9831	0.9608	1.003	305
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas .650 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 2767	P _c ² 7656289	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0251$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0188$
NO. 1	P _t ² 433	P _w ² 187489	P _c ² - P _w ² 7468800
2			
3			
4			
5			

$AGF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 311$

$AGF = Q$

Absolute Open Flow	311	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Well tested thru a 3/4" Variable choke

Approved By Commission:	Conducted By: C. R. Wagner	Calculated By: C. R. Wagner	Checked By:
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