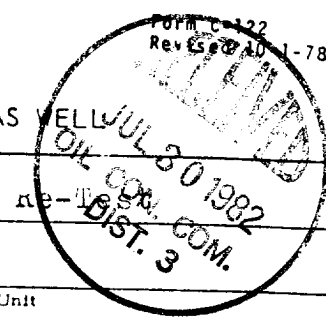


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS



Type Test ☐ Initial ☐ Annual ☐ Special						Test Date 7-26-82				
Company Southern union Exp. Of Texas						Connection				
Pool Basin						Formation Dakota		Unit		
Completion Date 5-19-82			Total Depth 8420		Plug Back TD 8396.64		Elevation 6699gr		Farm or Lease Name Susco #15	
Csq. Size 5.500		Wt. 17#	d 4.892	Set At	Perforations: From 8246 To 8362			Well No. State #1		
Thq. Size 21/16		Wt. 3.25	d 1.751	Set At 8193.5	Perforations: From To			Unit Sec. Twp. Rge. M 16 32 8		
Type Well - Single - Brdenhead - G.G. or G.O. Multiple G.G. Gallup- Dakota						Packer Set At 8190		County San Juan		
Producing Thru tbq		Reservoir Temp. *F P		Mean Annual Temp. *F		Baro. Press. - P _a		State N.M.		
L 5525	H	Gg	% 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							2912				
1.		.750		385		76					SIP
2.											3hr
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	12.365		397	.9850	.9463	1.038	4749
2.							
3.							
4.							
5.							

NO.	P _r	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 .670 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 2924 P _c ² 8549776				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1	157609	1211	1466521	7083255
2		calc.		
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2070$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5468$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1515$

Absolute Open Flow 5468	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
Remarks:			

Approved By Division	Conducted By: C.R. WAGNER	Calculated By: C.R. WAGNER	Checked By:
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