

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 2-1-81	
Company SHERMAN F. WAGENSELLER				Connection EPNG		
Pool SOUTH BLANCO				Unit PC		
Completion Date 1-25-81		Total Depth 3092		Plug Back TD 3054		Elevation 7101
Csg. Size 4" 500		Wt. 10.5	d 4.052	Set At 3089	Perforations: From 2964 To 2972	
Tng. Size 2.375		Wt. 4.7	d 1,995	Set At 2930	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE					Factor Set At	
Producing Thru TUBING					Baro. Press. - P _a 12	
Reservoir Temp. °F 0					Mean Annual Temp. °F	
County RIO ARRIBA					State N. M.	
L	H	Cg 0.615	% 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							721		721		7 DAYS
1.	CHOKE	0.750		66		60			121		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		78	1.0000	0.9877	1.007	959
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/LbL.
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 Field _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 733	P _c ² 537289	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0340$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0289$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 987$
NO.	P _w	
1	133	
2		
3		
4		

Absolute Open Flow	987	Mcf/d @ 15.025	Angle of Slope	Slope, n	0.85
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Remarks: WELL BLEW DRY GAS			
Approved By Commission:	Conducted By: H.E. McAnally	Calculated By: H.E. McAnally	Checked By: