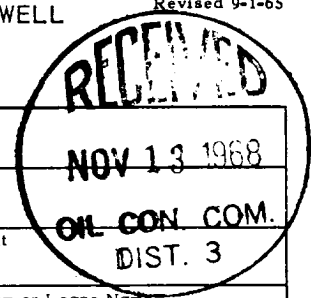


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11-9-68	
Company Jerome P. McHugh		Connection	
Pool Basin - Dakota		Formation Dakota	
Completion Date 10-22-68		Total Depth 7847	Plug Back TD 7810
Elevation 6760		Farm or Lease Name Sicorilla	
Csg. Size 4 1/2"	Wt. 10.54 lb/ft	Set At	Perforations: From 7646 To 7800
Well No. 5			
Tbg. Size 2 3/4"	Wt. 4.74	Set At	Perforations: From Open End To
Unit D 29	Sec. 24N	Twp. 4W	Rge. 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas		Packer Set At 7584	County Rio Arriba
Producing Thru Tbg	Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _g
State New Mexico			
L	H	G _g	% CO ₂
		1.5 set	
		% 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.	
SI							2397			
1.										
2.	3/4" Positive					66°	121			
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							
2	12.875		113	.9943	.908	1.011	1350
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 _____ 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 2410	P _c ² 5,808,100		
NO.	P _t ²	P _w	P _w ²
1			
2	12,750	248	61,504
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0107}{1.0107 - 1.0079} = 1.0107$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1361$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0079$

Absolute Open Flow	1361	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:				
Approved By Commission:	Conducted By: Jim ...	Calculated By: Jim ...	Checked By:	