

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 9-13-85	
Company El Paso Natural Gas				Connection	
Pool Blanco				Formation Mesa Verde	
Completion Date 9-13-85		Total Depth 6210		Plug Back TD 6203	
				Elevation 6660 GR	
Farm or Lease Name S.J. 28-5 Unit					
Gas. Size 7.000	Wt. 20	d 6.456	Set At 6210	Perforations: From *5384 To 6148	
Well No. #28A					
Gas. Size 2.375	Wt. 4.7	d 1.995	Set At 6129	Perforations: From To	
Unit D	Sec. 17	Twp. 28	Range 05		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
County Rio Arriba					
Producing Thru Tbg.		Reservoir Temp. *F a		Mean Annual Temp. *F	
				Baro. Press. - P _a 12	
State New Mexico					
L	H	G _g .690	% 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							457		963	
1.		.750		324		72	324		751	
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		336	.9887	.9325	1.034	3961
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 _____ 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 _r 975	P _r ² 950625	
NO.	P _r	P _w
1	763	582169
2		
3		
4		
5		

$$(1) \frac{P_r^2}{P_r^2 - P_w^2} = \frac{950625}{368456}$$

$$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 8063$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.0557$$

Absolute Open Flow 8063	Mcfd @ 15.025	Angle of Slope @ _____
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Remarks: *4.500 liner from 3552 to 6210.
Light mist all during test. Gas vented during test 551 MCF.

Approved by Commission:	Conducted By: Sonny Paul	Calculated By: Cliff Brock	Checked By: kld
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RECEIVED
SEP 18 1985
CON. DIV. 75