

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 20811
SANTA FE, NEW MEXICO 87501Form C-177
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-16-81			
Company El Paso Natural Gas Company				Connection			
Pool Blanco				Formation PC		Unit	
Completion Date 7-9-81		Total Depth 3188		Plug Back TD 3173		Elevation 6227 GL	
Furn or Lease Name S.J. 32-9 Unit				Well No. #95-R			
Coq. Size 4.500	Vel. 10.5	d 4.052	Set At 3188	Perforations: From 3025 To 3153		Unit Sec. Twp. Rge. M 11 31 10	
Req. Size 1.660	Vel. 2.4	d 1.380	Set At 3148	Perforations: From To			
Type well - Single - Broadhead - C.C. or C.O. Multiple single				Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F p		Mean Annual Temp. °F		Baro. Press. - P _a 12	
State New Mexico							
L	H	Gv	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps

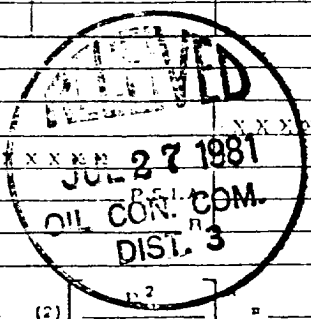
FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							130		431		7 days
1.											
2.											
3.											
4.											
5.											

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 _{sp}	Rate of Flow Q, Mscf
1							
2							
3							
4							
5							

NO.	P _t	Temp. °F	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf, Mbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Req.
2					Specific Gravity Separator Gas	XXXXXXX
3					Specific Gravity Flowing Fluid	XXXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	°F

NO.	P _t	P _w	P _c	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

NO.	P _t	P _w	P _c	P _c ² - P _w ²	AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1					
2					
3					
4					
5					



Approved by Division	Conducted By Jim Thurstonson	Calculated By Ed Mahe	Checked By
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