

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 9-23-85	
Company El Paso Natural Gas				Connection	
Pool Basin				Formation Dakota	
Completion Date 9-23-85		Total Depth 7175		Plug Back TD 7167	
				Elevation 6041 GR	
Farm or Lease Name S.J. 28-7 Unit					
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7174	Perforations: From 6898 To 7164	
Tub. Size 1.900	Wt. 2.9	d 1.610	Set At 7144	Perforations: From To	
Type Well - Single - Broadhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F	
				Baro. Press. - P _a 12	
L		H	G _g .690	% CO ₂	% N ₂
				% H ₂ S	Prover
				Meter Run	Taps
County Rio Arriba					
State New Mexico					

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
1.			.750	209		68	2252		2561		7 Days
2.							209		1301		3 Hrs.
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		221	.9924	.9325	1.023	2587
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 2573	P _w 6620329	
NO.	P _r	P _w
1	1313	1723969
2		
3		
4		
5		

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{6620329}{4896360} = 1.2539$	
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3244$	

Absolute Open Flow 3244 Mcfd @ 15.025	Angle of Slope @	Slope, n .75
Remarks: Gas vented during test = 407 MCF.		

Approved by Commission:	Conducted By: Ernie Minert	Calculated By: Ed Mabe	Checked By: kld
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