

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 9-20-85	
Company El Paso Natural Gas			Connection		
Pool Basin			Formation Dakota		Unit
Completion Date 9-20-85		Total Depth 7585	Plug Back TD 7579	Elevation 6320 GR	Form or Lease Name S.J. 29-7 Unit
Csg. Size 4.500	Wt. 10.5 11.6	d 4.052	Set At 7589	Perforations: From 7369 To 7559	
Tub. Size 1.900	Wt. 2.9	d 1.610	Set At 7555	Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	Well No. #129
Producing Thru Tbg.		Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a 12	County Rio Arriba
L	H	G _g .700	% 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	
51							2704		2731		7 Days
1.			.750	126		64	126		1121		3 Hrs.
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		138	.9962	.9258	1.017	1601
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 2743	P _w 7524049	
NO. 1	P _r 1133	P _w 1283689
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{7524049}{6240360}$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1842$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1506$$

Absolute Open Flow	1842	Mcf/d @ 15.025	Angle of Slope →	Slope, n
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Remarks: Light mist all during test.
Gas vented during test 295 MCF.

Approved by Commission:	Conducted By: Sonny Paul	Calculated By: Cliff Brock	Checked By: kld
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