

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-23-86		JAN 27 1986	
Company El Paso Natural Gas				Connection OIL CON. DIV			
Pool Basin				Formation Dakota		Unit S.J. 27-5 Unit	
Completion Date 1-23-86		Total Depth 7725		Plug Back TD 7717		Elevation 6545 GR	
Csg. Size 9.675	Wt. 40	d 8.835	Set At 3596	Perforations: From 7499* To 7703		Well No. #165M	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7672	Perforations: From To		Unit Sec. Twp. Rge. C 29 27 05	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 5940		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12	
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
SI							2152				7 Days
1.			.750	212		59	212				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		224	1.0010	.9258	1.030	2644
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 _c 2164	P _c ² 4682896	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{4682896}{4432896}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.042$
NO	P _w ²	P _w	P _w ²
1	500	250000	4432896
2			
3			
4			
5			

Absolute Open Flow 2755 Mcfd @ 15.025		Angle of Slope @ _____	Slope, n .75
Remarks: *7" Liner set - 3422 - 6070'			
*4½" Liner set - 5965' - 7725'			
Gas vented during test = 408 MCF.			
Approved By Commission:	Conducted By: Harold Cloer	Calculated By: Scott H. Lindsay	Checked By: kld