

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

Form C-122
Revised 9-1-65

RECEIVED
FEB 10 1986
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-6-86	
Company El Paso Natural Gas				Connection			
Pool Basin				Formation Dakota		Unit	
Completion Date 2-6-86		Total Depth 7765		Plug Back TD 7757		Elevation 6503 GR	
Farm or Lease Name S.J. 29-7 U.		Well No. #124M					
Csg. Size 9.625	Wt. 40	d 8.835	Set At 3593	Perforations: From 7509 To 7755		Unit Sec. Twp. Rye. D 28 29 7	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7728	Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 5860		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g 12	
State New Mexico							
L	H	Gg .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							2650				7 Days
1.			.750	196		64	196				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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		208	.9962	.9258	1.029	2441
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 2662	P _c ² 7086244	
NO.	P _t ²	P _w
1		463
2		
3		
4		
5		

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{7086244}{6871875}$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0233$	
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2498$			

Absolute Open Flow	2497	Mcf/d @ 15.025	Angle of Slope θ	Slope, n
Remarks: 7" Liner Set 3455' - 6047.				
4 1/2" Liner Set 5943 - 7765.				
Gas Vented during Test = 363 MCF.				

Approved By Commission:	Conducted By: N. Waggoner	Calculated By: Scott H. Lindsay	Checked By: kld
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