

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

☒ Initial ☐ Annual ☐ Special				Test Date 11-24-81	
Operator El Paso Exploration Company			Connection Northwest Pipeline Corp.		
Basin 			Formation Dakota		Unit
Completion Date 11-17-81		Total Depth 7845'	Plug Back TD 7828'		Elevation 6888 Gr
Form or Lease Name Jicarilla - 123C					
Casing Size 4.50"	ID 10.5	G 4.052	Set At 7845	Perforations: From 7567 To 7750	
Tub. Size 2.375	ID 4.7	G 1.995	Set At 7727	Perforations: From To	
Type Well - Single - Broadhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Flow Tubing		Reservoir Temp. °F 180	Mean Annual Temp. °F		State New Mexico
L		G 0.738	% CO ₂	% H ₂	% H ₂ S
Prover 2.50"		Meter run 4"	Taps Flg.		

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. psia	Diff. h _w	Temp. °F	Press. psia	Temp. °F	Press. psia		Temp. °F
1.	4" X 2.500"			6	3.2	59	1173		2208		7 Days
2.							61		489		3 Hours
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hours)	$\sqrt{V_{sc} P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcf
1.	105.20	4.293	18	1.001	1.164	1.000	516
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °F	Z	Gas Liquid Hydrocarbon Ratio	A.P.G. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.									
2.									
3.									
4.									
5.									

P _r 2220 P _{sc} 4,925.100	$(1) \frac{P_r^2}{P_{sc}^2 - P_r^2} = 1.0537$	$(2) \left[\frac{P_r^2}{P_{sc}^2 - P_r^2} \right]^n = 1.0400$		
NO. P _r P _{sc} P _r P _r - P _{sc}				
1		501	251.001	4,677.399
2				
3				
4				
5				

Absolute Open Flow 537	MOLE 15.025	Angle of Slope °	Slope ° .75
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Gas Vented - 144 MCF	
Liquids Produced - 7.2 Bbl Oil; 52 Bbl. Water	

Approved by Division	Conducted by Lyle Nation	Calculated by William Clark	Checked by
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