

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 10-28-81			
Company El Paso Exploration Co.				Connection Northwest Pipeline					
Basin Basin				Formation Dakota				Unit	
Completion Date 7-21-81		Total Depth 7915		Plug Back TD 7887		Elevation 6989		Farm or Lease Name Jicarilla 123C	
Case Size 4.50	Wt. 10.5	d 4.052	Set At 7915	Perforations: From 7597 To 7794		Well No. #31			
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 7783	Perforations: From To		Unit Sec. Twp. Rge. D 7 25 4			
Type well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Tbg.		Reservoir Temp. °F 180		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.738	% CO ₂	% N 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. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	4" X 2.500"			21	4.1	67	2041		2202		7 Days
2.							85		483		3 Hours
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	103.20	7.448	33	.9933	1.164	1.000	889
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	CGM. Deq.
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 2214	P _c ² 4,901,796	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0526$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0392$
NO. 1	P _w 495	P _w ² 245,025	P _c ² - P _w ² 4,656,771
2			
3			
4			
5			

Absolute Open Flow 924 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
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Remarks: Liquids Produced; 4.5 Bbls Oil; 9.0 Bbls Water
Gas Vented - 196 MCF

Approved By Commission:	Conducted By: L. Schmitz	Calculated By: W. F. Clark	Checked By:
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