

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 APR 3 1980	
Company Ralph Nix (Kinchelec) ✓				Connection El Paso Natural Gas	
Well Avalon <i>ITAPA</i>				Formation Atoka	
Completion Date 12-27-79		Total Depth 10,950'		Plug Back TD 10,250'	
Elevation 3213 gl		Form or Lease Name Fasken Fed			
Csg. Size 5 1/2"	Wt. 17-20#	d	Set At 10,950	Perforations: From 10,016- To 10,022	
Tbg. Size 2 7/8"	Wt. 6.5"	d	Set At 9882'	Perforations: Open end From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 9,882'	
Producing Thru		Reservoir Temp. °F a		Mean Annual Temp. °F	
Baro. Press. - P _a		County Eddy			
State New Mex					
L	H	Gg	% CO ₂ .67	% N ₂ .92	% H ₂ S .00
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			3/8"	470			550		packer		24 hr.
1.											
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							65 MCF
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

NO.	P _f	P _w	F _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

NO.	P _f	P _w	F _w	P _c ² - P _w ²	AGF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1					
2					
3					
4					
5					

Absolute Open Flow	65	Mcf @ 15.825	Angle of Slope	Slope, n
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Remarks: Well flowing into El Paso Line, Open 3/4" choke, has stabilized	
BTU/cf @ 11.73 PSIA, 60°, dry BTU 1097	

Approved By Commission:	Conducted By: <i>[Signature]</i>	Calculated By:	Checked By:
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