

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

Form C-122
 Revised 9-7-65

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 12-17-81					
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Otero				Formation Chacra					
Completion Date 10-19-81		Total Depth 5468		Plug Back TD 5444		Elevation 6717		Farm or Lease Name Jicarilla Contract 146	
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 5468	Perforations: From 3857 To 3880		Well No. 31			
Tbg. Size 1.660	Wt. 2.33	d 1.380	Set At 3892	Perforations: From orange peel To perf sub		Unit Sec. Twp. Rge. E 10 25N 5W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual				Packer Set At 3980		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% 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.	
SI	14 Days						618		655	
1.	2.375		.750				53		508	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		65	1.000	.9608	1.005	776
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _f	P _w	P _w ²	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	667	520	270400	174489	2.5497	2.0177
2						
3						
4						
5						

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 1566

Absolute Open Flow 1566 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 75

Items:

Approved By Commission:	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By:
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