

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 12-10-81					
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Gonzales				Formation Mesaverde					
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 5164 To 5407		Well No. 31			
Teg. Size 2.063	Wt. 3.25	d 1.751	Set At 5408	Perforations: From open To ended		Unit E 10 25N 5W			
Type Well - Single - Bradenhead - G.G. 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	G _g	% 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	
1.	7 Days						205		X		
1.	2.375		.750				34		X		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		46	1.000	.9608	1.003	548
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 _____ 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 _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.4405$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.3149$ AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 721$
1		120	14400	32689	
2					
3					
4					

Absolute Open Flow <u>721</u> Mcfd @ 15.025		Angle of Slope θ _____ Slope, n <u>.75</u>	
Remarks: _____			

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