

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 6-4-81			
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Otero				Formation Chacra				Unit	
Completion Date 03-24-81		Total Depth 5418		Plug Back TD 5403		Elevation 6672		Farm or Lease Name Jic. Contract 146	
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 5418	Perforations: From 3840 To 3956		Well No. 32			
Tng. Size 1.25	Wt. 2.33	d 1.380	Set At 3966	Perforations: From Open To Ended		Unit Sec. Twp. Rge. A 10 25N 5W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual						Packer Set At 4135		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		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
SI	48 days						734		784		
1.	2.375	.750					52		524		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		64	1.000	.9608	1.005	764
2.							
3.							
4.							
5.							

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

P _c 796 P _c ² 633616			
NO.	P _f	P _w	P _f ² - P _w ²
1		536	287296
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.8296$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1202$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5731$$

Absolute Open Flow	1202	Mcf @ 15.025	Angle of Slope @	Slope, n .75
Remarks: Light oil flow				

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