

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

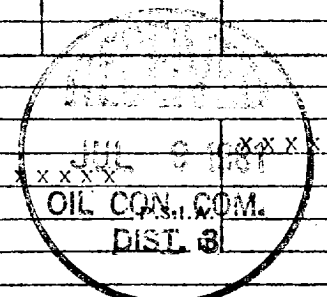
Form C-122
 Revised 9-1-65

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 4-25-81		Total Depth 5376		Plug Back TD 5331		Elevation 6601		Farm or Lease Name Jic. Contract 146	
Csg. Size 5.500	Wt. 14.0	d 5.012	Set At 5376	Perforations: From 3750 To 3776		Well No. 37			
Tbg. Size 1.25	Wt. 2.33	d 1.380	Set At 3789	Perforations: From Orange To Peel		Unit C	Sec. 4	Twp. 25N	Rge. 5M
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual						Packer Set At 3925		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 8		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.	Temp. °F	
SI	30 Days						778		788		
1.	2.375	.750					79		434		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		91	1.000	.9608	1.008	1090
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. 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 800	P _c ² 640000	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4510$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3220$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		446	198916	441084
2				
3				
4				
5				

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1441$

Absolute Open Flow <u>1441</u> Mcfd @ 15.025	Angle of Slope θ _____	Slope, n <u>.75</u>
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Remarks: Flowed like mist

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