

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

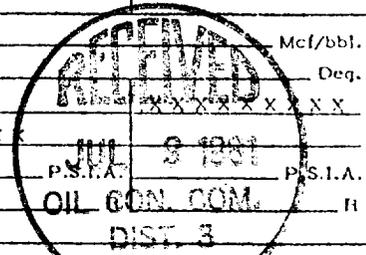
Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Special				Test Date 6-4-81	
Company Amoco Production Company			Connection El Paso Natural Gas Company		
Pool Gonzales			Formation MesaVerde		Unit
Completion Date 4-25-81		Total Depth 5376	Plug Back TD 5331		Elevation 6601
Csg. Size 5.500	Wl. 14.0	d 5.012	Set At 5376	Perforations: From 5082 To 5244	
Tub. Size 2.063	Wl. 3.25	d 1.751	Set At 5262	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 3925	
Producing Thru Tubing		Reservoir Temp. *F @	Mean Annual Temp. *F	Baro. Press. - P _a	
L	H	Gg .650	% CO ₂	% N ₂	% H ₂ S
			Prover	Meter Run	Taps
Farm or Lease Name Jicarilla Contract 146			Well No. 37		Unit Sec. Twp. Rge. C 4 25N 5W
County Rio Arriba				State New Mexico	

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	30 Days						860		-	
1.	2.375		.750				100		-	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		112	1.000	.9608	1.010	1344
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 _____
3.					Specific Gravity Flowing Fluid _____ X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R



P _c 860	P _c ² 739600	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1205$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0891$	
NO.	P _f	P _w	P _w ²	P _c ² - P _w ²
1		282	79524	660076
2				
3				
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1464$

Absolute Open Flow <u>1464</u> Mcfd @ 15.025	Angle of Slope @ _____	Slope, n <u>.75</u>
Remarks: <u>Med. Oil Spray</u>		
Approved by Commission	Conducted By: <u>JJB</u>	Calculated By: <u>J.J. Barnett</u>
		Checked By: _____