

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

Form C-122
Revised 9-1965

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 5/11/81			
Company Amoco Production Co.				Connection El Paso Natural Gas Company			
Well Basin				Formation Dakota		Unit	
Completion Date 4/22/81		Total Depth 7012		Plug Back TD 6947		Elevation 6474 GL	
Form or Lease Name J. C. Gordon "D"							
Coq. Size 4.500	Wt. 10.5	d 4.052	Set At 7012	Perforations: From 6756 To 6927		Well No. 3E	
Log Size 2375	Wt. 4.7	d 1.995	Set At 6918	Perforations: From open To ended		Unit Sec. Twp. Rge. C 23 27N 10W	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple single				Packer Set At None		County San Juan	
Producing Thru tubing		Reservoir Temp. °F P		Mean Annual Temp. °F		State New Mexico	
L	H	Cq	% CO ₂	% H 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.	
1	9 days						1270		1274	
2	2.375		.750				124		673	3 hrs.
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 _{sp}	Rate of Flow Q, Mhd
1	12.365		136	1.000	.9258	1.015	1580
2							
3							
4							
5							

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

P _c 1286	P _c ² 1653796	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3961$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2844$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	685	469225	1184571
2			
3			
4			
5			

Absolute Open Flow 2029		Mcf @ 15.025	Angle of Slope 6°	Slope, n .75
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Remarks: Heavy oil flow' medium H₂O

Approved By Commission	Conducted By JJB	Calculated By J J BARNETT	Checked By CLB
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