

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 4/20/81	
Company Amoco Production Company			Connection El Paso Natural Gas Company			
Pool Basin			Formation Dakota		Unit	
Completion Date 4/13/81		Total Depth 6859		Plug Back TD 6819	Elevation 6307 GL	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6859	Perforations: From 6556 To 6721		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6727	Perforations: From open To ended		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		
Baro. Press. - P _a		State New Mexico		County San Juan		
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						760		1460		3 hrs.
2	2.275		.750				225		675		
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		237	1.000	.9258	1.027	2786
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcft/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 1472 P_c² 2166784

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1		687	471969	1694815
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2786$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2023$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3350$

Absolute Open Flow	3351	Mcft @ 15.025	Angle of Slope	Slope, n .75
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Remarks: Heavy oil lite H₂O spray

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