

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 06 20 80	
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS CO.		
Pool BASIN				Formation DAKOTA		Unit
Completion Date 05 15 80		Total Depth 6365		Plug Back TD 6322		Elevation 5437GL
Csg. Size 4.500		Wt. 10.5	d 4.052	Set At 6365	Perforations: From 6078 To 6263	
Tbg. Size 2.375		Wt. 4.7	d 1.995	Set At 6272	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple					Packer Set At NONE	
Producing Thru TUBING				Reservoir Temp. °F 6		Mean Annual Temp. °F
Baro. Press. - P _g				State NEW MEXICO		Well No. 1E
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	13 days						1112		1115		3 hrs
1.	2.375		.750				44		276		
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		56	1.000	.9258	1.006	645
2.							
3.							
4.							
5.							

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

P _c 1127	P _c ² 1270129		
NO.	P _t ²	P _w ²	P _w ² - P _c ²
1		288	82944
2			1187185
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.0699}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.0520}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{648}$

Absolute Open Flow 679 Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
---	-------------------------	---------------------

Remarks:

Approved By Commission:	Conducted By: JJB	Calculated By: J J BARNETT	Checked By: R A DOWNEY
-------------------------	-----------------------------	--------------------------------------	----------------------------------