

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 03-04-81	
Company Amoco Production Company				Connection El Paso Natural Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date 02-12-81		Total Depth 6392		Plug Back TD 6310		Elevation 5510
Csg. Size 5.500	Wt. 17	d 4.778	Set At 6392	Perforations: From 6163 To 6262		Well No. 1E
Tbg. Size 2.063	Wt. 3.25	d 1.751	Set At 6269	Perforations: From Open To ended		Unit Sec. Twp. Rge. H 27 29N 11W
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual					Packer Set At 2852	
Producing Thru tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a
State New Mexico		County San Juan				
L	H	G _q	% 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.	
SI	14 days						536			
1.	2.375		.750				22			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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		34	1.000	.9258	1.004	391
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 <td>Deq.</td>	Deq.
2.					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3.					Specific Gravity Flowing Fluid <td>XXXXXXX</td>	XXXXXXX
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R

NO.	P _t	P _w	P _w ²	P _t ² - P _w ²
1	548	50	2500	297804
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0084$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 393$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0063$$

Absolute Open Flow	393	Mcf @ 15.025	Angle of Slope θ	Slope, n	.75
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Remarks: Med. Mist of H₂O

Approved By Commission:	Conducted By: JJB	Calculated By: J. J. BARNETT	Checked By:
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