

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: 6/8/81	
Company: Amoco Production Company				Connection: El Paso Natural Gas Company	
Pool: Basin				Formation: Dakota	
Completion Date: 5/10/81		Total Depth: 6719		Perforations: From 6441 To 6638	
Csg. Size: 7.000		Set At: 6719		Elevation: 6220	
Tub. Size: 2.063		Set At: 6626		Well No.: 2E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Dual				Packer Set At: 5982	
Producing Thru Tubing		Reservoir Temp. °F: 8		Baro. Press. - P _a : 5982	
L		H		State: New Mexico	
Gg		% CO 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	
51	20 days						1170		-		
1.	2.375		.750				161		-		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		173	1.000	.9258	1.021	2022
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	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	°R

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		480	230400	1166724	1.1975	1.1447
2						
3						
4						
5						

Absolute Open Flow: 2315 Mcfd @ 15.025 Angle of Slope: 0 Slope, n:

Remarks: Heavy oil flow

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