

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 9-10-85	
Company El Paso Natural Gas				Connection	
Pool Blanco				Formation Mesa Verde	
Completion Date 9-10-85		Total Depth 5159		Plug Back TD 5149	
Elevation 6164 GR		Farm or Lease Name Hancock			
Coq. Size 7.000	wt. 20	d 6.456	Set At 5159	Perforations: From *4476 To 5078	
Trq. Size 2.375	wt. 4.7	d 1.995	Set At 5044	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru		Reservoir Temp. °F a		Baro. Press. - P _a 12	
State New Mexico		County San Juan			
L	H	Gg .690	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							758		758		7 Days
1.			.750	261		71	261		585		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 Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcd
1	12.365		273	.9896	.9325	1.029	3205
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbon	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 _r	770	P _w	592900
NO.	P _r	P _w	P _r ² - P _w ²
1		597	356409
2			
3			
4			
5			

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{592900}{236491}$

ACF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 6386$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.992$

Absolute Open Flow	6386	Mcd @ 15.025	Angle of Slope	Slope, n	75
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Remarks: *4.500 liner from 2668 to 5078.
 Dry Blow, Gas vented during test 450 MCF.

Approved by Commission:	Conducted By: Don Norton	Calculated By: Cliff Brock	Checked By: kld
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