

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
OCT 01 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-27-85	
Company El Paso Natural Gas				Connection	
Pool Blanco				Formation Mesa Verde	
Completion Date 9-27-85		Total Depth 5306		Plug Back TD 5292	
Elevation 6266 GR		Farm or Lease Name Howell			
Csg. Size 7.000	Wt. 20	d 6.456	Set At 2983	Perforations: From *4298 To 5226	
Teg. Size 2.375	Wt. 4.7	d 1.995	Set At 5201	Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F 12	
Baro. Press. - P _a 12		State New Mexico			
L	H	G _g .680	% 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							744		851		7 Days
1.		.750		234		72	234		601		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		246	.9887	.9393	1.023	2890
2							
3							
4							
5							

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

P _r 863	P _w 744769		
NO.	P _r	P _w	P _r ² - P _w ²
1	613	375769	369000
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{744769}{369000}$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4894$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6953$

Absolute Open Flow	4894	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: *4.500 liner 2733'-5304'.
Gas vented during test = 417 MCF.

Approved by Commission:	Conducted By: N.L. Waggoner	Calculated By: Ed Mabe	Checked By: kld
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