

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

Form C-122
Revised 9-1-65

RECEIVED
JUL 26 1985
OIL CON. DIV. (WWO)
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-22-85			
Company El Paso Natural Gas				Connection			
Pool Blanco				Formation Mesa Verde			
Completion Date 7-22-85		Total Depth 4958		Plug Back TD 4942		Elevation 5808 GR	
Farm or Lease Name Grambling A				Well No. #1			
Csg. Size 4.500	wt. 10.5	d 4.052	Set At 4957	Perforations: From 3909 To 4904		Unit Sec. Twp. Rye. H 21 28 08	
Teg. Size 2.375	wt. 4.7	d 1.995	Set At 4896	Perforations: From To		County San Juan	
Type Well - Single - Irradiation - G.G. or G.O. Multiple Single				Packer Set At None		State New Mexico	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps
.680							

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	
1.			.750	284		92	661		769		7 Days
2.							284		619		3 Hrs.
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		296	.9706	.9393	1.025	3420
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 Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P_r 781 P_r² 609961

NO. P_r P_w P_w² P_r² - P_w² <tr> <td>1</td> <td></td> <td>631</td> <td>39816</td> <td>211800</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> </tr>	1		631	39816	211800	2					3					4					5				
1		631	39816	211800																					
2																									
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 (1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{609961}{211800}$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.2107$ ACF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 7561$ |

Absolute Open Flow	7561	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Produced light spary of oil & water during test. Gas vented during test = 465 MCF.

Approved By Commission:	Conducted By: Norman Waggoner	Calculated By: Ed Mabe	Checked By: kld
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