

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

Form C-122
Revised 9-1-65

RECEIVED
SEP 05 1985

OIL CON. DIV. I
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-3-85	
Company El Paso Natural Gas		Connection	
Pool Blanco		Formation Mesa Verde	
Completion Date 9-3-85	Total Depth 4810	Plug Back TD 4795	Elevation 5755 GR
Farm or Lease Name Grambling A		Well No. #3A	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 4810
Perforations: From *3700 To 4751			
Teg. Size 2.375	Wt. 4.7	d 1.995	Set At 4745
Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	County San Juan
Producing Thru Tbg.	Reservoir Temp. *F a	Mean Annual Temp. *F	Baro. Press. - P _g 12
State New Mexico			
L	H	Gg .690	% CO ₂ % N ₂ % H ₂ S
Prover		Meter Run	Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration	
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	of Flow
SI							663		763		7 Days
1.			.750	221		73	221		613		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, Mcfd
1	12.365		233	.9877	.9325	1.022	2712
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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _r 775	P _r ² 600625	
NO. 1	P _r 625	P _r ² 390625
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{600625}{210000}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5965$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1993$

Absolute Open Flow	5965	Mcf/d @ 15.025	Angle of Slope	Slope, n	.75
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Remarks: *4.500" Liner from 2279 to 4810.
Gas vented during test 373 MCF.

Approved by Commission:	Conducted By: Norman Waggoner	Calculated By: Cliff Brock	Checked By: kld
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