

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 6-23-80				
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool So. Blanco				Formation Pictured Cliffs				Unit San Juan 28-7 Unit	
Completion Date 6-23-80		Total Depth 5937		Plug Back TD 5919		Elevation 6627 GL		Farm or Lease Name San Juan 28-7 Unit	
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 3621	Perforations: From 3292 To 3340			Well No. 12A (PC)		
Tbg. Size 1.660	Wt. 2.4	d 1.380	Set At 3338	Perforations: From To			Unit C	Sec. Twp. Rge. 17 28 7	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At 3470		County Rio Arriba		
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.690	% 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							1020		1020		30 Days
1.	Choke		0.750	185		66	192				3 Hours
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		197	0.9943	0.9325	1.020	2304
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcft/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXXX
4					Critical Pressure _____ P.S.I.A.
5					Critical Temperature _____ R

$P_c = 1032$ $P_c^2 = 1065024$				
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1	38809	204	41616	1023408
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0407$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0345$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2383$$

Absolute Open Flow <u>2383</u> Mcfd @ 15.025		Angle of Slope θ _____	Slope, n <u>0.85</u>
Remarks: <u>426 MCF Gas Was Produced During The Test</u>			

Approved By Commission:	Conducted By: John Easley	Calculated By: H.E. McAnally	Checked By:
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