

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 5-13-80			
Company El Paso Natural Gas Company				Connection					
Pool Blanco				Formation Mesa Verde				Unit San Juan	
Completion Date 4-17-80		Total Depth 6053		Plug Back TD		Elevation		Farm or Lease Name 27-5 Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6053	Perforations: From 5107 To 5980		Well No. 60A (PM)			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5977	Perforations: From To		Unit J	Sec. 4	Twp. 27	Rge. 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G.						Packer Set At		County Rio Arriba	
Producing Thru Tub		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L 3885	H	Gg	% 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							873				7 Days
1.		.750		260		61					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	12.385		272	0.9990	.9608	1.033	3335
2.							
3.							
4.							
5.							

NO.	P _t	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 .650 XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6758$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4729$
1	73984	562	315844	467381		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4912$

Absolute Open Flow 4912	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
----------------------------	----------------	-------------------------	--------------

Remarks: Well Blew Dry Gas And Vented 333 MCF/C To The Atmosphere During The Test.

Approved By Commission:	Conducted By: M. Wileman	Calculated By: C.R. Wagner	Checked By:
-------------------------	-----------------------------	-------------------------------	-------------