

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				
Company Mesa Petroleum Co.					Connection El Paso Natural Gas Company				
Pool Blanco					Formation Pictured Cliffs				
Completion Date 7/18/78			Total Depth 5794'		Plug Back TD 5708'		Elevation 6422' GR		Farm or Lease Name Suter
Coq. Size 4 1/2	Wt.	d	Set At 5791'	Perforations: From 3168' To 3190'			Well No. #2A		
Tbg. Size 1 1/4	Wt.	d	Set At 3152'	Perforations: From To			Unit Sec. Twp. Rge. 0 12, 32N, 11W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual					Packer Set At			County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F 74 Degrees		Baro. Press. - P _g		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	
			.670						

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							1071		1071		
1.	2"		.75"	Pitot Tube			52		282		4 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		Based on NMOCC Manual for Pitot Tube Testing Procedures					
2.							
3.				.9868	.9463	1.008	745
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons Deg.
1.					Specific Gravity Separator Gas .670	XXXXXXX
2.					Specific Gravity Flowing Fluid XXXXX	
3.					Critical Pressure P.S.I.A.	P.S.I.A.
4.					Critical Temperature R	R
5.						

$P_c^2 - P_w^2$ (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0796$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0672$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 795$

NO.	P _t	P _w	R _w ²	P _c ² - R _w ²
1				
2				
3				
4				
5				

Absolute Open Flow	795	Mcfd @ 15.025	Angle of Slope °	Slope, n 85
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Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
U.S.G.S. (4)	Mesa Petroleum Co.	Bill Toller	C.R. Wagner (EPNG)