

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 Co.			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 10/16/75		Total Depth 5835'		Plug Back TD 5785'		Elevation 6530' GL	
Farm or Lease Name Suter		Well No. #4A		Unit Sec. Twp. Rge. E 15 32N 11W			
Csg. Size 10-3/4" 7"		Set At 168' KB 3508' KB		Perforations: From 4782' To 4939'			
Tbg. Size 4-1/2" 2-3/8"		3326' KB 5830' KB 5694' KB		Perforations: 5092' 5159' From 5486' To 5695'			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple				Packer Set At 3369'		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F 93 @ 5239'		Mean Annual Temp. °F 74		Baro. Press. - P _a New Mexico	
L 5239	H 5239	G _g .640	% 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							673				24
1.	2 x 3/4"			216	0	71	216				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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.942		229	.9896	1.250	1.021	2875
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.34	531	1.43	.959	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas .640 XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX
4.					Critical Pressure 670 P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature 372 R _____ R

P _c 686	P _c ² 470.6	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7712$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6256$
NO.	P _t ²	P _w	P _w ²
1			204.9
2			
3			
4			
5			

Absolute Open Flow 4674 Mcfd @ 15.025		Angle of Slope θ _____ Slope, n .850	
Remarks: _____			
Approved By Commission:	Conducted By:	Calculated By: J. L. Farrell	Checked By: