

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			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 5/1/75		Total Depth 5500' KB		Plug Back TD 5482' KB		Elevation 6274' KB	
Csg. Size 7 1/4"	Wt. 23/10.5#	d /	Set At 3250/5495	Perforations: From 4530' To 5464'		Farm or Lease Name Suter	
Tbg. Size 2-3/8"	Wt. 4.7#	d 1.995	Set At 5460'	Perforations: From 5430' To 5460'		Well No. #3a	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -----		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F 12		State New Mexico	
L 5430	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							746		746		SI 7 days
1.	1.995 X 0.75						281	69°	686		1 hr
2.							276	74°	667		2 hr
3.							273	76°	648		3 hr
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							
2	12.365		285	0.9850	0.9463	1.0287	3379
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	0.4260	536	1.4031	0.945	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas 0.67 X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure 669 P.S.I.A. P.S.I.A.
5					Critical Temperature 382 R R

P _c 758	P _c ² 574,564	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.1346$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.9$
NO.	P _r ²	P _w	P _w ²
1		660	435,600
2			
3			
4			
5			

Absolute Open Flow 9799 MCF/Day Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.75
Remarks: _____			
Approved By Commission: _____ Conducted By: Bill Toler Calculated By: R.J. Flaker Checked By: _____			