

3/22/75 XC: 3 State
2 SUG

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 4-21-75			
Company Mesa Petroleum Co.				Connection					
Pool Blanco				Formation Pictured Cliffs				Unit	
Completion Date 4-9-75		Total Depth 4945'		Plug Back TD 4890'		Elevation 5851 GL		Farm or Lease Name State Com G	
Csq. Size 7"	Wt. 26 lb.	d	Set At 2769'	Perforations: From 2406' To 2450'		Well No. 2A			
Tbg. Size 1-1/4	Wt. 2.3	d 1.38	Set At 2450	Perforations: From 2444' To 2450'		Unit J		Sec. 32	Twp. 29N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple						Packer Set At 2618'		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 105 ° @ 2425'		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L 2444'	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							968		972		7 Day S.I.
1.							103	40	552		1 hr
2.	0.75" X 1.995						92	44	528		2 hr
3.							85	46	514		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		97	1.0137	0.9608	1.019	1190
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Dry _____ Mcf/bbl.
1	0.145	506	1.349	.972	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas 0.65 X X X X X X X X
3					Specific Gravity Flowing Fluid X X X X X
4					Critical Pressure 670 P.S.I.A. _____ P.S.I.A.
5					Critical Temperature 375 R _____ R

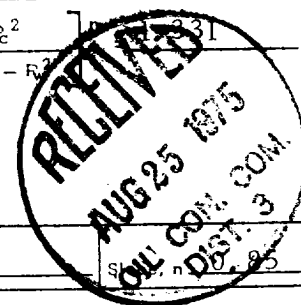
NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	984	526	276,676	691,580	1.400	1584
2						
3						
4						
5						

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1584$

Absolute Open Flow 1564 Mcfd @ 15.025 Angle of Slope θ

Remarks:

Approved By Commission:	Conducted By: Jack Dunning	Calculated By: R. J. Flaker	Checked By:
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10% Southern Union 2.11147 AL.