

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 6/21/78	
Company Mesa Petroleum Co.				Connection El Paso Natural Gas		
Pool Blanco				Formation Mesaverde		Unit
Completion Date 6/6/78		Total Depth 5831'		Plug Back TD 5815'		Elevation 6610' GL
Farm or Lease Name Johns Federal		Well No. 2A				
Csg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge.
Tbg. Size 2 3/8"	Wt.	d	Set At 5654'	Perforations: From 4783' To 5786'		I 18 32N 11W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple				Packer Set At 3387		County San Juan
Producing Thru Tbg.		Reservoir Temp. °F 78 degrees		Baro. Press. - P _a		State New Mexico
C	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Taps
e 650						

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	2"		75"	Pitot Tube		78 ⁰	905				4 hrs
1.							357		745		
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 Pitot Tube Testing Procedures						
2.							
3.				.9840	.9608	1.033	4456
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas .650 XXXXXXXXX
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 ²	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.9416$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.2461$
1						
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10,009$

Absolute Open Flow	10,009	Mcfd @ 15.025	Angle of Slope °	Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By: Mesa Petroleum Co. D. Green	Calculated By:	Checked By: C. R. Wagner
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