

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 8/1/78	
Company Mesa Petroleum Co.			Connection El Paso Natural Gas		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 7/19/78		Total Depth 5795	Plug Back TD 5746	Elevation 6334	Farm or Lease Name State Com W
Csg. Size 4 1/2	Wt. 10.5	d	Set At 5790	Perforations: From 5052 To 5591	Well No. 19A
Tbg. Size 2 3/8	Wt. 4.7	d	Set At 5455	Perforations: From To	Unit Sec. Twp. Rge. C 2 30N 8W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	County San Juan
Producing Thru tbg.		Reservoir Temp. °F @	Mean Annual Temp. °F 78 degrees	Baro. Press. - P _a	State New Mexico
L	H	G _g	% CO ₂	% N ₂	% H ₂ S
		.650			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						78 ⁰	555		557		4 hrs.
1.	2"		3/4" Pitot Tube				178		428		
2.											
3.											
4.											

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.							
4.				.9831	.9608	1.016	2255
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas .650 XXXXXXXXXX
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	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 2.4874$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.9807$
1						
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 4466$			
Absolute Open Flow 4466 Mcfd @ 15.025		Angle of Slope @ Slope, n .75	

Remarks:			

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

W.I.
Owners

NMOCC (5), Dvr. Office, J. Archer, EPNG (2), D&M, M&M, Les Carnes, Mike Moore