

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 5/25/78	
Company Mesa Petroleum Co.				Connection El Paso Natural Gas			
Pool Undes				Formation Fruitland		Unit	
Completion Date 5/9/78		Total Depth 5591'		Plug Back TD 5525'		Elevation 6383' GL	
Farm or Lease Name State Com S		Well No. 15A					
Csg. Size 7"	Wt. 20#	d	Set At 3227'	Perforations: From 2806' To 2820		Unit Sec. Twp. Rge. D 36 32N 12W	
Tbg. Size	Wt.	d	Set At	Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple				Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F @ 63degree		Mean Annual Temp. °F		Baro. Press. - P _a New Mexico	
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps
FLOW DATA			TUBING DATA			CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
1.	2"		.75"	Pitot Tube		63 degree	4 hours
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	Based on NMOCC Manual for Pitot Tube Testing Procedures						
2							
3				.9971	.9463	1.009	1002
4							
5							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
2					Specific Gravity Separator Gas .670 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 _c ²	P _w	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.0086$ (2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0073$		
1							
2							
3							
4							
5							
Absolute Open Flow 1009 Mcfd @ 15.025					Angle of Slope @ _____ Slope, n .85		
Remarks:							
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	
		Mesa Petroleum Co.		Dave Green		C. R. Wagner	

