

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-12
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4/10/78	
Company Atlantic Richfield Company				Connection None			
Pool Blanco Mesa Verde				Formation Mesa Verde		Unit	
Completion Date 4/1/78		Total Depth 6817		Plug Back TD 4742		Elevation 5990	
Form or Lease Name Sapp Com.							
Crg. Size 4 1/2"		Wt. 11.6 10.5		d 4.000 4.052		Set At 6811	
Perforations: From 4573 To 4676		Well No. 1					
Thg. Size 2 3/8"		Wt. 4.7 1.995		d 4545		Set At	
Perforations: From To		Unit Sec. Twp. Rge. F 14 27N 8W					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single						Packer Set At None	
Producing Thru Tubing						County San Juan	
Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L 4545		H 4545		Gg 0.755(est)		% CO ₂ % N ₂ % H ₂ S Prover 2"	
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							983		982		9 days
1.	2"	X	0.750"	79		72	124		393		3 hrs
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.453		91	0.9887	1.151	1.011	990
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	0.14	532	1.30	0.978	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas 0.755 (est) X X X X X X X X
3.					Specific Gravity Flowing Fluid X X X X X
4.					Critical Pressure 667 P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature 408 _____ R

NO.	P _r	P _w	P _r ² - P _w ²	P _r ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.0395$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0295$
1	18496	194	37643	952382		
2						
3						
4						
5						

Absolute Open Flow 1019 Mcfd @ 15.025				Angle of Slope θ _____ Slope, n 0.750	
Remarks: Well tested thru 48/64" choke					
Approved by Commission		Conducted by C. R. Thompson		Checked by C. R. Thompson	