

**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 <u>2-10-78</u>	
Company <u>D. J. Simmons</u>				Connection			
Pool <u>Blanco Mesa Verde</u>				Formation <u>Mesa Verde</u>		Unit	
Completion Date		Total Depth		Plug Back TD <u>4862</u>		Elevation	
Farm or Lease Name <u>D. J. Simmons "C"</u>				Well No. <u>2-A</u>			
Csg. Size <u>*</u>	Wt. <u>d</u>	Set At <u>4609</u>	Perforations: From <u>3974</u> To <u>4640</u>		Unit Sec. Twp. Rge. <u>E 23 29 9</u>		
Tbg. Size <u>2 3/8"</u>	Wt. <u>4.7</u>	Set At <u>4609</u>	Perforations: From To		County <u>San Juan</u>		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <u>Single</u>				Packer Set At		State <u>New Mexico</u>	
Producing Thru <u>Tbg</u>		Reservoir Temp. °F <u>@</u>		Mean Annual Temp. °F		Baro. Press. - P _a	
L	H	G _g <u>.650</u>	% CO ₂	% N ₂	% H ₂ S	Prover <u>X</u>	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.	
1.	<u>7 days</u>						<u>632</u>		<u>716</u>	
2.	<u>2 x 3/4</u>						<u>145</u>	<u>60</u>	<u>430</u>	<u>3 hrs.</u>
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	<u>9.453</u>		<u>157</u>	<u>1.000</u>	<u>1.240</u>	<u>1.015</u>	<u>1.868</u>
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c <u>728</u>	P _c ² <u>529984</u>			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.5836}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.4115}$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		<u>442</u>	<u>195364</u>	<u>334680</u>	
2					
3					
4					
5					

Absolute Open Flow <u>2637</u> Mcfd @ 15.025		Angle of Slope <u>75</u>
Remarks: <u>* - 7" with 4 1/2 2563 to 4842</u>		
Approved By Commission:	Conducted By: <u>Craig Seamon</u>	Calculated By: <u>Neil Tefteller</u>
		Checked By: