

**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					
Company <u>Continental Oil Co.</u>					Connection <u>None</u>					
Pool <u>Blanco</u>					Formation <u>Mesa Verde</u>					
Completion Date <u>7-27-76</u>			Total Depth <u>2657</u>		Plug Back TD <u>5113</u>		Elevation <u>6601</u>		Farm or Lease Name <u>Ariz. Co. Lk</u>	
Csg. Size <u>4 1/2</u>	Wt. <u>155</u>	d <u>5 1/2</u>	Set At <u>5113</u>	Perforations: From <u>5113</u> To <u>5576</u>				Well No. <u>41</u>		
Tbg. Size <u>2 3/4</u>	Wt. <u>27</u>	d <u>3 1/2</u>	Set At <u>5576</u>	Perforations: From To				Unit Sec. Twp. Rge. <u>C</u> <u>3</u> <u>26</u> <u>5W</u>		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <u>Single</u>					Packer Set At <u>5113</u>			County <u>San Juan</u>		
Producing Thru <u>7 1/2</u>		Reservoir Temp. °F <u>150 @ 5576</u>		Mean Annual Temp. °F <u>50</u>		Baro. Press. - P _a <u>12.2</u>		State <u>N.M.</u>		
L <u>50.0</u>	H <u>5576</u>	Gg <u>168</u>	% CO ₂	% N ₂	% H ₂ S	Prover <u>3/4 chd. m. l. k.</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.	Temp. °F	
SI							<u>800</u>	<u>72</u>	<u>800</u>	<u>72</u>	
1.	<u>7 1/2 chd. m. l. k.</u>			<u>182</u>		<u>70</u>	<u>182</u>	<u>70</u>	<u>501</u>	<u>72</u>	<u>340</u>
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, F _{sc}	Rate of Flow Q, Mcfd
1	<u>1.176</u>		<u>182</u>	<u>70</u>	<u>1.012</u>	<u>1.000</u>	<u>340</u>
2							
3							
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 _____ <u>XXXXXXX</u>
3.					Specific Gravity Flowing Fluid _____ <u>XXXXX</u>
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	$(1) \frac{P_r^2}{P_r^2 - P_w^2} = \underline{1.66}$ $AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \underline{4,413}$ $(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \underline{1.97}$
1	<u>37714</u>	<u>513.2</u>	<u>262776</u>	<u>267125</u>	
2					
3					
4					

Absolute Open Flow <u>4413</u> Mcfd @ 15.025		Angle of Slope θ _____	Slope, n <u>.75</u>
Remarks: _____			
Approved By Commission: _____ Conducted By: <u>F.T. Chavez</u> Calculated By: <u>F.T. Chavez</u> Checked By: _____			

111002 (ATTA) (2) - 11000 (2) T.L.