

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122
Revised 12-1-55

Pool <u>Basin</u>		Formation <u>Dakota</u>		County <u>San Juan</u>	
Initial <u>X</u>	Annual	Special	Date of Test <u>3-17-66</u>		
Company <u>Austral Oil Co.</u>		Lease <u>Huertanito</u>		Well No. <u>8</u>	
Unit <u>A</u>	Sec. <u>17</u>	Twp. <u>27N</u>	Range <u>9W</u>	Purchaser	
Casing <u>4 1/2</u>	Wt. <u>10.5</u>	I.D.	Set at <u>6963</u>	Perf. <u>6664</u>	To <u>6834</u>
Tubing <u>2 3/8</u>	Wt. <u>4.7</u>	I.D.	Set at <u>6642</u>	Perf. <u>open ended</u>	To
Gas Pay:	From <u>6664</u>	To <u>6834</u>	L	G <u>.65 est</u>	GL Bar. Press.
Producing Through:		Casing	Tubing <u>X</u>	Type Well - Single - Braden head - G.G. or G.O. Dual <u>Single - Gas</u>	
Date of Completion <u>3-2-66</u>		Packer		Reservoir Temp.	

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI						<u>2014</u>		<u>2007</u>		
1.										
2.		<u>3/4"</u>	<u>177</u>		<u>62°</u>			<u>570</u>		<u>3 Hrs.</u>
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF P D @ 15.025 psia
1.							
2.	<u>12.365</u>		<u>189</u>	<u>.9981</u>	<u>.9608</u>	<u>1.019</u>	<u>2284</u>
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c _____ (1-e^{-S}) _____ P_c 2026 P_c^2 4,104,676

No.	$\frac{P_w}{P_c}$ psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.									
2.	<u>582</u>					<u>3,387.24</u>	<u>3,765,952</u>		<u>1.0899</u>
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 2436 MCFPD; $n = .75$ 1.0666

COMPANY Austral Oil Co. WITNESSED _____

ADDRESS Box 234, Farmington COMPANY _____

AGENT AND TITLE J. A. Wiggins _____
Consulting Engineer

