

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

Form C-122  
Revised 12-1-55

Pool <b>South Blanco</b>		Formation <b>Pictured Cliffs</b>			County <b>Rio Arriba</b>	
Initial		Annual		Special <b>X</b>		Date of Test <b>November 9, 1967</b>
Company <b>MACDONALD OIL CORPORATION</b>			Lease <b>Scott A</b>		Well No. <b>1</b>	
Unit <b>J</b>	Sec. <b>15</b>	Twp. <b>26N</b>	Range <b>6W</b>		Purchaser <b>SUG</b>	
Casing <b>5.500</b>	Wt. <b>15.5</b>	I.D. <b>4.920</b>	Set at <b>2943</b>		Perf. <b>2943</b>	To <b>3030</b>
Tubing <b>2.375</b>	Wt. <b>4.7</b>	I.D. <b>1.995</b>	Set at <b>2931</b>		Perf. <b>2931</b>	To
Gas Pay:	From <b>2943</b>	To <b>3030</b>	L <b>2931</b>	G <b>0.700est</b>	GL <b>2052</b>	Bar. Press. <b>12.0</b>
Producing Through:			Casing	Tubing <b>X</b>	Type Well - Single - Braden head - G.G. or G.O. Dual <b>Single</b>	
Date of Completion		Packer <b>2927</b>	Reservoir Temp.			

OBSERVED DATA

Tested Through:			Prover <input type="checkbox"/>	Choke <input checked="" type="checkbox"/>	Meter <input type="checkbox"/>	Type of Taps			
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h <sub>w</sub>	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	
SI						<b>511</b>		<b>Pkr.</b>	
1.									
2.									
3.	<b>1 1/2</b>	<b>3/4</b>	<b>128 127</b>		<b>52</b>			<b>0</b>	<b>3 hrs.</b>
4.									
5.									

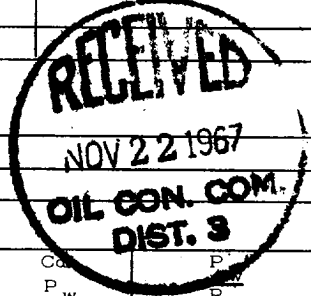
FLOW CALCULATIONS

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.							
3.	<b>12.365</b>		<b>139</b>	<b>1.0075</b>	<b>0.9258</b>	<b>1.016</b>	<b>1.632</b>
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<sup>-S</sup>) **0.139**  $P_c$  **523**  $P_c^2$  **273,229**

No.	$\frac{P_w}{P_t}$ psia	$P_t^2$	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	$P_w^2$	$P_c^2 - P_w^2$	$\frac{C_d}{P_w}$	$\frac{P_w}{P_c}$
1.									
2.									
3.	<b>139</b>	<b>19,321</b>	<b>15,344</b>	<b>235,438</b>	<b>32,726</b>	<b>52,047</b>	<b>221,482</b>	<b>471</b>	<b>1.235</b>
4.									
5.									



ABSOLUTE POTENTIAL: 1.224 MCFPD; n 0.62/1.1960

COMPANY MACDONALD OIL CORPORATION WITNESSED \_\_\_\_\_

ADDRESS 711 Pet. Life Bldg. Midland, Texas COMPANY Original Signed by

AGENT AND TITLE Morris B. Jones

**MORRIS B. JONES**

