

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

Form C-122
Revised 12-1-55

Pool OTERO			Formation CHACRA			County RIO ALBIRA		
Initial I		Annual		Special		Date of Test 5-31-66		
Company SKELLY OIL COMPANY			Lease JICAMILLA "C"			Well No. 24		
Unit F	Sec. 27	Twp. 23N	Range 3W		Purchaser Not Connected			
Casing 5.500	Wt. 15.5	I.D. 5.012	Set at 6295		Perf. 3622	To 3644		
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 3591		Perf. 3591	To (Open ended)		
Gas Pay: 3622		From 3644		To 3583		L 0.67 est.		G 2401
						GL 12.2		Bar. Press.
Producing Through:		Casing		Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single - Gas		
Date of Completion 5-31-66		Packer MCPE		Reservoir Temp. 116°				

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.	
1.						685		686		148 hrs.
2.		3/4			60°	138		357	60	3 hrs.
3.										
4.										
5.										
6.										

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.	11.00		150.2	1.0000	1.222	1.016	2051
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas-Liquid Hydrocarbon Ratio _____ cf/bbl.
 Gravity of Liquid Hydrocarbons _____ deg.
 P_e _____ (1-e^{-S}) _____
 Specific Gravity Separator Gas _____
 Specific Gravity Flowing Fluid **0.67**
 P_e **697.2** P_c² **486.088**

No.	P _w	P _c ²	P _e	(P _c ² - P _w ²)	(P _c ² - P _w ²) / (1-e ^{-S})	P _w ²	P _c ² - P _w ²	XX	XX
1.	369.2					136,309	349,779		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2,625** MCFPD; n **0.75**

COMPANY **SKELLY OIL COMPANY** WITNESSED *D. M. Mull*

ADDRESS _____ COMPANY _____

AGENT AND TITLE _____

