

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 8-18-82			
Company Getty Oil Company				Connection Not connected			
Basin Dakota				Formation Dakota			
Completion Date 8-12-82		Total Depth 7118		Plug Back TD 7070		Elevation 6630GL	
Farm or Lease Name Jicarilla "B"				Well No. 26			
Perforations: From 6970 To 7038							
Perforations: From open To ended							
Unit A	Sec. 31	Twp. 25N	Rge. 5W				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ---		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
State New Mexico							
L 6997	H 6997	G _g .700	% CO ₂	% N ₂	% H ₂ S	Prover 2.00	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.	
SI	163 hrs.						1709		1710	
1.	2.000 X .750						229	60	808	1st Hr.
2.	2.000 X .750						169	60	642	2nd Hr.
3.	2.000 X .750						132	60	571	3rd Hr.
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.000		241	1.000	1.195	1.026	3250
2	11.000		181	1.000	1.195	1.021	2429
3	11.000		144	1.000	1.195	1.017	1925
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 2,100,000 to 1 Mcf/bbl.
					A.P.I. Gravity of Liquid Hydrocarbons 39.6 @ 60 Deg.
1					Specific Gravity Separator Gas X X X X X X X X
2					Specific Gravity Flowing Fluid X X X X X
3					Critical Pressure P.S.I.A. P.S.I.A.
4					Critical Temperature R R
5					

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1295$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0956$
1						
2						
3	20736	533	339339	2625395	ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2109$	
4						
5						

Flow Rate (Q) 2109 Mcfd @ 15.025	Angle of Slope 0	Slope, n .75
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Remarks:			
Approved By Commission:	Conducted By: Paul D. Berhost	Calculated By: Paul D. Berhost	Checked By: