

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-10-81		AUG 25, 1981	
Company GETTY OIL CO.				Connection Not Connected		CASPEN AREA	
Pool Basin				Formation Dakota		Unit E & P DEPARTMENT	
Completion Date 7-26-81		Total Depth 7260		Plug Back TD 7205		Elevation 6660 G.L.	
Farm or Lease Name C		Csg. Size 5.500		Wt. 15.5		d 4.950	
Set At 7256		Perforations: From 6972		To 7158		Well No. 14E	
Tag. Size 2.065		Wt. 3.25		d 1.751		Set At 6991	
Perforations: From Open		To Ended		Unit D		Sec. Twp. Rge. 27 - 25N - 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas Oil Multiple				Packer Set At 6500		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. *F a		Mean Annual Temp. *F		Baro. Press. - P _a 12.0	
State New Mexico		L 6991		H 6991		G _g .680	
% CO ₂		% N ₂		% H ₂ S		Prover	
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	
5.	192	HR	SI				539		PKR		
1.	2.000	X	.750				18	60			1st HR
2.	2.000	X	.750				14	60			2nd HR
3.	2.000	X	.750				10	60			3rd HR
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.000		30	1.000	1.213	1.000	400
2	11.000		26	1.000	1.213	1.000	347
3	11.000		22	1.000	1.213	1.000	294
4.							
5							

NO.	P _t	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 _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A.
5					Critical Temperature _____ R

P _c 551 P _c ² 303601					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0164$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0123$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1						
2						
3	484	70	4908	298693		
4						
5						

Absolute Open Flow 298 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .75	
Remarks: _____					
Approved By Commission:		Conducted By: Paul Berhost		Calculated By: Paul Berhost	
				Checked By:	