

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 5-20-81	
Company Getty Oil Company				Connection Not Connected		
Pool Basin				Formation Dakota		Unit
Completion Date 5-11-81		Total Depth 6995		Plug Back TD 6950		Elevation 6647 G.L.
Farm or Lease Name Jicarilla "B"						Well No.
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 6995	Perforations: From 6865 To 6923		3E
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6880	Perforations: From Open To Ended		Unit N Sec. 5 Twp. 24N Rge. 5W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas					Packer Set At	
Producing Thru Tubing		Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P _g 12.0
State New Mexico						
L 6880	H 6880	G _g 0.720	% 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.		Temp. *F
SI							2004		2009		168 hr SI
1.	2.000	X	.750				280	60	920		1st hr
2.	2.000	X	.750				205	60	754		2nd hr
3.	2.000	X	.750				163	60	640		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		292	1.000	1.179	1.037	3927
2	11.000		217	1.000	1.179	1.027	2890
3	11.000		175	1.000	1.179	1.021	2315
4.							
5.							

NO.	P _t	Temp. *R	T _t	Z	Gas Liquid Hydrocarbon Ratio 2000 to 1	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons 50 @ 60°F	Deg.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid XXXXX	
4.					Critical Pressure	P.S.I.A. 1000 P.S.I.A. 1000
5.					Critical Temperature	R 100 R 100

P _c 2021	P _c ² 408441		
NO.	P _t ²	P _w	P _w ²
1			
2			
3	30625	652	425104
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{408441}{408441 - 425104} = 1.1162$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.1162^2}{1.1162^2 - 1.0859^2} = 1.0859$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,514$$

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Absolute Open Flow 2,514	Mcf/d @ 15.025	Angle of Slope ϕ	Slope, n .75
Remarks:			

Approved By Commission:	Conducted By: Paul D. Berhost	Calculated By: Paul D. Berhost	Checked By:
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