

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 10-10-81			
Company Getty Oil Company				Connection Not Connected					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 9-29-81		Total Depth 8130		Plug Back TD 7970		Elevation 7090 G.L.		Farm or Lease Name C. W. Roberts	
Csg. Size 5.500	Wt. 17.00	d 4.892	Set At 8130	Perforations: From 5254 To 5870				Well No. 3A	
Thg. Size 2.0625	Wt. 3.25	d 1.751	Set At 5809	Perforations: From 5804 To 5809				Unit L	Sec. Twp. Rge. 18 25N 3W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas Oil Multiple						Packer Set At 6000		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P _a 12.0		State New Mexico	
L 5809	H 5809	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover 2.000	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	216 Hours						785		1000	
1.	2.000	x .750					271	60	817	1st Hr.
2.	2.000	x .750					237	60	763	2nd Hr.
3.	2.000	x .750					220	60	735	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.000		283	1.000	1.195	1.033	3842
2	11.000		249	1.000	1.195	1.029	3368
3	11.000		232	1.000	1.195	1.027	3132
4							
5							

NO.	P _t	Temp. *F		Gas Liquid Hydrocarbon Ratio 1,000 to 1 BL	Mcf/bbl.
1				A.P.I. Gravity of Liquid Hydrocarbons 55 @ 60	Deq.
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 1012	P _c ² 1024144	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.197}{}$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.8046}{}$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	
1					
2					
3	53324	747	558009	466135	
4					
5					

Absolute Open Flow 5,652 Mcfd @ 15.025			Angle of Slope θ		Slope, n .75
Remarks:					

Approved By Commission:	Conducted By: Wendell Durrett	Calculated By: Mark Kramer	Checked By: Paul D. Berhost
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