

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GANOVILLE 1978

Form C-122
Revised 9-1-65

O. C. C.

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/28/78		ARTESIA, OFFICE	
Company GULF OIL CORP.				Connection AIR		SPUD : 7/28/78	
Pool UNDESIGNATED				Formation MORROW		Unit E	
Completion Date 10/24/78		Total Depth 12710		Plug Back TD 12445		Elevation 3021	
Farm or Lease Name EDDY G R STATE CORP.				Well No. # 1			
Csg. Size 7	Wt. 26	d 7	Set At 12188	Perforations: From 12257 To 12364		Unit Sec. Twp. Rge. E 16 23 28	
Tbg. Size 2 7/8	Wt. 6.5	d 7	Set At 12188	Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 12180		County EDDY	
Producing Thru TBG.		Reservoir Temp. °F 196 @ 12188		Mean Annual Temp. °F 60 °		Baro. Press. - P _a 13.2	
State NEW MEXICO							
L 12188	H 12188	G _q .701	% CO ₂ 1.520	% N ₂ 16.771	% H ₂ S	Prover	Meter Run 4"
						Taps FLG.	

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							4049				72 Hr.
1.	4 X 2.000			520	6.0	72	3368				1 Hr.
2.	4 X 2.000			530	10.0	77	2765				1 Hr.
3.	4 X 2.000			530	16.0	75	1910				1 Hr.
4.	4 X 2.000			530	26.0	76	920				1 Hr.
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	19.81	56.56	533.2	.9887	1.194	1.062	1405
2	19.81	73.70	543.2	.9840	1.194	1.061	1820
3	19.81	93.23	543.2	.9859	1.194	1.063	2311
4	19.81	118.84	543.2	.9850	1.194	1.061	2938
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	.80	532	1.36	.886	DRY		.701	X X X X X X X X	668	392
2.	.81	537	1.37	.888				X X X X X		
3.	.81	535	1.36	.885						
4.	.81	536	1.37	.888						
5.										

NO.	P _r ²	P _w ²	P _w ² - P _r ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	3386.5	11468.4	5033.1	1.063	1.051
2	2786.9	7766.8	8734.7		
3	1939.7	3762.4	12739.0		
4	991.1	982.3	15519.2		
5					

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$ **3.089**

*Partial
11-17-78
ST*

Absolute Open Flow 3,089	Mcf @ 15.025	Angle of Slope θ 50.75°	Slope, n .814
Remarks:			
Approved By Commission: _____ Conducted By: <i>P. Davis</i> Calculated By: <i>Sam Davis</i> Checked By: _____			