

NE' MEXICO OIL CONSERVATION COMMS. N
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS RECEIVED

Form C-122
Revised 9-1-65

SEP - 2 1976

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-27-76	
Company GULF OIL CORP.		Connection AIR	
Pool Wildcat atoka		Formation AOTKA ATOKA	
Completion Date 8-25-76		Total Depth 11321	
Plug Back TD 10850		Elevation 3322GL	
Farm or Lease Name EDDY"FT" ST.		Well No. 1	
Csq. Size 5.50"	Wt. 17.00#	d 4.892"	Set At 11321
Perforations: From 10573 To 10596		Unit Sec. Twp. Rge. K-26-20-27	
Tfg. Size 2.375EUE	Wt. 4.70#	d 1.995"	Set At 10493
Perforations: From To		County Eddy	
Single Completion		Packer Set At 10493	
Producing Thru Tubing		Reservoir Temp. °F 185 @ 10584	
Mean Annual Temp. °F 60		Baro. Press. - P _g 13.2	
L 10584	H 10584	Gg 0.577	% CO ₂ 0.00
% N ₂ 0.01	% H ₂ S 0.00	Prover X	Meter Run Taps
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
SI			
1.	4.00	2.00	600
2.	4.00	2.00	630
3.	4.00	2.00	630
4.	4.00	2.00	600
5.	4.00	2.00	725
TUBING DATA			
	Press. p.s.i.g.	Temp. °F	
	4850	60	
	4700	70	
	4600	72	
	4460	73	
	4120	74	
	3850	76	
CASING DATA			
	Press. p.s.i.g.	Temp. °F	
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	19.81	55.371	613.20
2	19.81	76.084	643.20
3	19.81	107.599	643.20
4	19.81	154.644	613.20
5	19.81	188.238	738.20
Flow Temp. Factor F _t			
Gravity Factor F _g			
Super Compress. Factor, F _{pv}			
Rate of Flow Q, Mcfd			
Gas Liquid Hydrocarbon Ratio Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons None Produced Deg.			
1.	0.91	548	1.57
2.	0.96	549	1.57
3.	0.96	530	1.51
4.	0.91	503	1.44
5.	1.10	508	1.45
Specific Gravity Separator Gas 0.577			
Specific Gravity Flowing Fluid XXXXX			
Critical Pressure 672 P.S.I.A.			
Critical Temperature 350 R			
P _c 4863.2 P _c ² 23651			
NO.	P _t ²	P _w	P _w ²
1		4722.1	22298
2		4630.5	21442
3		4508.7	20328
4		4214.7	17764
5		3989.3	15915
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.05715$			
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.2638$			
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 11998$			
Absolute Open Flow 11998 Mcfd @ 15.025			
Angle of Slope @ 53.83			
Slope, n 0.731			
Remarks:			
Approved By Commission:			
Conducted By: TESTERS, INC.			
Calculated By: LARRY DAVIS			
Checked By:			