N[illegible] MEXICO OIL CONSERVATION COMM[illegible]ION

MULTIPOINT [illegible]D ONE POINT BACK PRESSURE TE[illegible] FOR GAS WELL

Form C-122
Revised 9-1-65

1-C-122 / 1-File

RECEIVED

MAY 1 19[illegible]

O. C. C.
~~ARTESIA, OFFICE~~

Type Test: [x] Initial [ ] Annual [ ] Special			Test Date: 4-25-79	
Company: GULF OIL ~~ENERGY & MINERALS~~ Corp	Connection: AIR			
Pool: ~~UNDESIGNATED~~ [illegible]	Formation: ATOKA			Unit: E
Completion Date:	Total Depth: 12710	Plug Back TD: 12670	Elevation: 3021	Farm or Lease Name: EDDY G R ST. COM.
Csg. Size: 7	Wt.: 26	d:	Set At: 12710	Perforations: From 11945 To 11965	Well No.: # 1
Tbg. Size: 2 3/8	Wt.: N/ 80	d:	Set At: 11904	Perforations: From To	Unit: E Sec.: 16 Twp.: 23 Rge.: 28
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: DUAL GAS WELL	Packer Set At: 11904			County: EDDY
Producing Thru: TBG.	Reservoir Temp. °F: 180 @ 11904	Mean Annual Temp. °F: 60°	Baro. Press. – P_a: 13.2	State: NEW MEXICO

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
11904	11904	.790	1.05	.83			4 "	FLG.

	FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI						1895				72 Hr.
1.	4 X .750	440	2.0	86		1680				30 Min.
2.	4 X .750	480	6.0	84		1465				30 Min.
3.	4 X .750	460	12.0	86		960				1 Hr.
4.	4 X .750	460	1.0	86		460				15 Min.
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	2.661	30.11	453.2	.9759	1.125	1.061	93
2	2.661	54.40	493.2	.9777	1.125	1.068	170
3.	2.661	75.36	473.2	.9759	1.125	1.064	234
4.	2.661	21.75	473.2	.9759	1.125	1.064	67
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	.68	546	1.30	.888
2.	.74	544	1.29	.876
3.	.71	546	1.30	.884
4.	.71	546	1.30	.884
5.				

Gas Liquid Hydrocarbon Ratio: DRY Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Deg.
Specific Gravity Separator Gas: .790 | X X X X X X X X X X
Specific Gravity Flowing Fluid: X X X X X
Critical Pressure: 666 P.S.I.A. | P.S.I.A.
Critical Temperature: 421 R | R

P_c 1908.2 P_c^2 3641.2

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1693.3	2867.2	774.0
2		1478.5	2186.0	1455.2
3		974.3	949.2	2692.0
4		473.4	224.1	3417.1
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.353

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.214

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = .284

Posted by [illegible] & additional zone comp. 5 4 79

Absolute Open Flow: 284 Mcfd @ 15.025 | Angle of Slope θ: 57.25 | Slope, n: .642

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	JOHN DAVIS	LARRY DAVIS	