NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 9-11-73	
Company: El Paso Natural Gas Company	Connection: None		
Pool: Jalmat	Formation: Yates Seven Rivers		Unit:
Completion Date: 9-13-73	Total Depth: 3175	Plug Back TD: 3145	Elevation: 3002.3
Farm or Lease Name: Rhodes G.S.U.			

Csg. Size	Wt.	d	Set At	Perforations:	Well No.
4 1/2				From 2794 To 3090	3

Tbg. Size	Wt.	d	Set At	Perforations:	Unit	Sec.	Twp.	Rge.
2 3/8			2711	From To		16	26	37

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single		Lea

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tbg.	@			New Mexico

L	H	G	% CO_2	% N_2	% H_2S	Meter Run	Taps
		Assumed .655				Positive	choke

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size X ~~XXXX~~	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					886		886		72 Hr.
1.	1/8	879		78	879		880		45 Min
2.	3/16	866		78	866		868		45 Min
3.	7/32	845		81	845		849		45 Min
4.	1/4	835		82	835		840		30 Min
5.	5/16	730		79	730		778		1 Hr.

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	.2618		892.2	.9831	1.236	1.080	307
2.	.6101		879.2	.9831	1.236	1.079	703
3.	.8419		858.2	.9804	1.236	1.078	944
4.	1.112		848.2	.9804	1.236	1.077	1231
5.	1.771		743.2	.9822	1.236	1.067	1705

NO.	P_t	Temp. °R	T_r	Z
1.	1.33	538	1.43	.857
2.	1.31	538	1.43	.859
3.	1.28	541	1.44	.861
4.	1.27	541	1.44	.862
5.	1.11	539	1.43	.878

Gas Liquid Hydrocarbon Ratio: Dry Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Deg.
Specific Gravity Separator Gas: .655 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 670 P.S.I.A. P.S.I.A.
Critical Temperature: 375 R R

P_c 899.2 P_c^2 808.6

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		893.2	797.8	10.8
2		881.2	776.5	32.1
3		862.2	743.4	65.2
4		853.2	728.0	80.6
5		791.2	626.0	182.6

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.428$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.489$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4.245$

Absolute Open Flow: 4245 Mcfd @ 15.025 | Angle of Slope θ: 58.5 | Slope, n: .613

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Rendy Kiker	Randy Kiker	