NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1965

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 12-28-79	
Company: Amoco Production Company		Connection: El Paso Natural Gas Company			
Pool: Basin		Formation: Dakota			Unit
Completion Date: 12 11 79	Total Depth: 6560	Plug Back TD: 6517	Elevation: 5525 Gl.	Farm or Lease Name: Martinez Gas Com	
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 6560		Perforations: From 6248 To 6443		Well No.: F No. 1E	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6458		Perforations: From open To ended		Unit: P / Sec.: 24 / Twp.: 29 / Rge.: 10	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE		Packer Set At: NONE		County: San Juan	
Producing Thru: TUBING	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

	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	10 days					1410		1825		3 hrs
1.	2.375	.750				183		745		
2.										
3.										
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	12.265		195	1.000	.9258	1.024	2286
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator Gas _____ XXXXXXXXX

Specific Gravity Flowing Fluid _____ XXXXX

Critical Pressure _____ P.S.I.A. _____ P.S.I.A.

Critical Temperature _____ R _____ R

P_c 1837 P_c^2 3374569

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		757	573049	2801520
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2045$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1808$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2628$

JAN 16 1980
OIL CON. COM.
DIST. 3

Absolute Open Flow _____ Mcfd @ 15.025

Angle of Slope θ _____ Slope, n .75

Remarks: CORRECTED TEST. PREVIOUS TEST DATED.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	JJB	J. J. BARNETT	B. E. FACKRELL