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 [X] Special			Test Date: 6/5/81	
Company: Amoco Production Company		Connection: NWPL		
Pool: Otero		Formation: Chacra		Unit
Completion Date: 5/4/81	Total Depth: 5395	Plug Back TD: 5359	Elevation: 6594	Farm or Lease Name: Jicarilla Contract 155

Csg. Size	Wt.	d	Set At	Perforations:	Well No.
5.500	14	5.012	5395	From 3761 To 3876	28

Tbg. Size	Wt.	d	Set At	Perforations:	Unit	Sec.	Twp.	Rge.
1 1/4	2.33	1.380	3897	From open To ended	D	31	26N	5W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Dual	4052	Rio Arriba

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing				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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	31 days						580		585		
1.	2.375		.750				95		410		3 hrs.
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	12.365		107	1.000	.9608	1.010	1284
2.							
3.							
4.							
5.							

NO.	P_r	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 597 P_c^2 356409

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		422	178084	178325
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9986$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6809$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2158$

Absolute Open Flow 2158 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	JJB	J. J. Barnett	