STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 04 28 80	
Company: Amoco Production Co.	Connection: Northwest Pipeline Corp.		
Pool: Basin	Formation: Dakota	Unit	
Completion Date: 03 18 80	Total Depth: 7400	Plug Back TD: 7260	Elevation: 6514 GL
Farm or Lease Name: Jicarilla Contract 155			
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 7400	Perforations: From 6980 To 7208	Well No.: 12E	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7225	Perforations: From open To ended	Unit: J / Sec.: 32 / Twp.: 26 / Rge.: 5	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE	Packer Set At: NONE	County: Rio Arriba	
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

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	12 days				1940		2115		3 hrs
1.	2.375 .750				72		434		
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		84	1.000	.9258	1.010	971
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 2127 P_c^2 4524129

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		446	198916	4325213
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0460$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0343$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1004

Absolute Open Flow 1004 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks _____

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