NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
DEC 30 1981
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [X] Special		Test Date: 12-15-81	
Company: Amoco Production Company	Connection: Amoco Gas Company		
Pool: Basin	Formation: Dakota		Unit:
Completion Date: 11-19-81	Total Depth: 6340	Plug Back TD: 6270	Elevation: 5601 GL
Farm or Lease Name: Gallegos Canyon Unit			

Csg. Size	Wt.	d	Set At	Perforations:	Well No.
4.500	10.5	4.052	6340	From 6068 To 6186	96E

Tbg. Size	Wt.	d	Set At	Perforations:	Unit	Sec.	Twp.	Rge.
2.375	4.7	1.995	6203	From open To ended	B	18	29N	12W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single	None	San Juan

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

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

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
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	
SI	13 Days				1535		1637		
1.	2.375 .750				280		722		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		292	1.000	.9258	1.034	3456
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 1649 P_c^2 2719201

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		734	538756	2180445
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2471$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1801$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4078$

Absolute Open Flow 4078 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 75

Remarks: _____

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