NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
AUG 29 1983
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 8-2-83	
Company: Amoco Production Company		Connection: Gas Company of New Mexico			Unit
Pool: Basin		Formation: Dakota			Lease or Unit Name: Jicarilla Apache Tribal 151
Completion Date: 7-24-83	Total Depth: 8090	Plug Back TD: 8030	Elevation: 6977		Well No.: 5E
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 8090		Perforations: From 7730 To 7948			Unit: E / Sec.: 9 / Twp.: 26 / Rge.: 5
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7947		Perforations: From open To ended			
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None			County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: ø	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	9 Days					1560		2202		
1.	2.375	.750				54		471		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		66	1.000	.9258	1.007	761
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2214 P_c^2 4901796

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		483	233289	4668507
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0500$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0372$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 789$

Absolute Open Flow 789 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	R. U. MONTOYA	R. U. Montoya	