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			Test Date: 11-20-77	
Company: Aztec Oil & Gas Company		Connection: Gas Company of New Mexico		
Pool: Blanco		Formation: Mesa Verde		Unit
Completion Date: 11-9-77	Total Depth: 5896'	Plug Back TD: 5826'	Elevation: 6918' GR	Farm or Lease Name: Arizona Jicarilla "B"
Csg. Size: 7.000 / 4.500	Wt.: 20# / 10.50#	d: 6.456 / 4.052	Set At: 3851' / 3706-5894'	Perforations: From 5186' To 5522'	Well No.: #8
Tbg. Size: 2.375	Wt.: 4.7#	d: 1.995	Set At: 5542'	Perforations: From 5719' To 5786'	Unit: C Sec.: Sec. 9 Twp.: T26N Rge.: R5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Multiple			Packer Set At: 5568' (Bridge Plug)		County: Rio Arriba
Producing Thru: Tbg	Reservoir Temp. °F: a	Mean Annual Temp. °F	Baro. Press. – P_a: 12.2		State: New Mexico
L	H	Gg: .700	% 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							883		842		
1.	2"	X	3/4"				140		612		1 hr
2.							117		533		2 hrs
3.							105		514		3 hrs
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		117.2	1.0000	.9258	1.0000	1,342
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 895.2 P_c^2 801,383

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		526.2	276,886	524,497
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5279$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right] = 1.3743$

Angle of Slope $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,844$

Absolute Open Flow 1,844 Mcfd @ 15.025 Psia Slope of Slope (n) .75

Remarks: _____

Approved By Commission: | Conducted By: Don Thompson | Calculated By: James Smith | Checked By:

NOV 28 1977
OIL CON. COM.
DIST. 3