NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 8-25-73	
Company: Aztec Oil & Gas Company	Connection:			
Pool: Blanco	Formation: Mesaverde			Unit:
Completion Date: 8-13-73	Total Depth: 8707'	Plug Back TD: 8707'	Elevation: 7048 GR	Farm or Lease Name: Reese Mesa
Csg. Size: 7" 20# & 23#, 4½" 11.60#	Wt. d	Set At: 6529' 8707'	Perforations: From 6042 To 6320	Well No.: #4
Tbg. Size: 2-3/8" 4.70#, 1½" 2.90#	Wt. d	Set At: 8500' 6191'	Perforations: From ---- To ----	Unit: K Sec.: 11 Twp.: 32N Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Multiple		Packer Set At: 8500		County: San Juan
Producing Thru: Casing	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

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							1092		1092		7d
1.	2"		3/4				78		132		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		78	1.0000	.9258	1.0000	896
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 1092 P_c^2 1,192,464

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		132	17,424	1,175,040
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0148$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0109$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 906$

Absolute Open Flow 906 Mcfd @ 15.025 Angle of Slope θ _____ Spec. n _____

Remarks: _____

RECEIVED
FEB 21 1974
OIL CON. COM.
DIST. 3

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Joe C Samson