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: 6-12-72	
Company: Aztec Oil & Gas Company		Connection: El Paso Natural Gas Company			
Pool: Blanco		Formation: Mesaverde		Unit	
Completion Date: 6-3-72	Total Depth: 6135	Plug Back TD: 6102	Elevation: 6748 GR	Farm or Lease Name: Burnt Mesa	
Csg. Size: 7-5/8 / 10-3/4	Wt.: 26.40 / 32.75	d	Set At: 3867 / 295.35	Perforations: From 6010 To 6060	Well No.: #2
Tbg. Size: 2-3/8	Wt.: 4.7	d	Set At: 6030	Perforations: From To	Unit: N Sec.: 26 Twp.: 32N Rge.: 7W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At		County: San Juan
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

	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						1108		1100		7 day
1.	2"	.75				165		437		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		177		.9258		2026
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 1120 P_c^2 1,254,400

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		449	201,601	1,052,799
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1914$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1403$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2310$

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DIST. 3

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

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Jas. C. Jones	