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: 7-27-77	
Company: Aztec Oil & Gas Company		Connection: Southern Union Gathering		
Pool: Blanco		Formation: Mesaverde		Unit
Completion Date: 7-6-77	Total Depth: 5744'	Plug Back TD: 5740'	Elevation: 6333' GR	Farm or Lease Name: Primo Mudge
Csg. Size: 7.000 / 4.500; Wt.: 20# / 10.50#; d: 6.456 / 4.052; Set At: 3400 / 3235-5741		Perforations: From 4644 To 5289		Well No.: #1A
Tbg. Size: 2.375; Wt.: 4.7#; d: 1.995; Set At: 5670		Perforations: From 5374 To 5670		Unit: N; Sec.: 24; Twp.: 32N; Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G.		Packer Set At: 3235'		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: @	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					881				
1.	2" X 3/4"				361				1 hr
2.					347				2 hrs
3.					335				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		347.2	1.0000	.9258	1.0000	3975
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

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OIL CON. COM.
DIST. 3

P_c 893.2 P_c^2 797,806

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		347.2	120,548	667,258
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1956$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1434$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4,545$

Absolute Open Flow 4,545 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bob Shindledecker	James Smith	