NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 11-1-65

RECEIVED
SEP 12 1967
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 9/4/67	
Company: Aztec Oil and Gas			Connection: Southern Union Gathering		Unit
Pool: Basin			Formation: Dakota		
Completion Date: 8/26/67	Total Depth: 7815		Plug Back TD: 7800	Elevation: 6603GL	Farm or Lease Name: Decker
Csg. Size: 4½" / Wt.: 11.6 & 10.5 / d: / Set At: 7815			Perforations: From 7620 To 7744		Well No.: 2
Tbg. Size: 2-3/8 / Wt.: 4.7# / d: / Set At: 7550			Perforations: From open ended To		Unit: A / Sec.: 26 / Twp.: 32N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Dual			Packer Set At: 7550		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	2"	3/4"				1737		620		
1.						159	60(est)	623	60(est)	3 hr
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		171	1.000	.9258	1.020	1,996
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 1749 P_c^2 3,059,001

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	29,241	611	373,565	2,685,436
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1391$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1025$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2,201$

Absolute Open Flow 2,201 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By: