

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☐ Initial ☐ Annual ☐ Special				Test Date 11-11-72	
Company Aztec Oil & Gas Company				Connection	
Pool Blanco				Formation Mesaverde	
Completion Date 11-4-72		Total Depth 5876		Plug Back TD 5990	
Elevation 7271 GR		Farm or Lease Name Tapacitos			
Csg. Size 7-5/8" 26.40" ID 4-1/2" 10.50" ID		Set At 3874' 3781-8251'		Perforations: From 5956 To 5966	
Well No. #1					
Tbg. Size 2-3/8" 4.7" ID		Set At 5876		Perforations: From To	
Unit A		Sec. 16		Twp. 26N	
Rge. 2W					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 5876	
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 ₂ S
Prover		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
1.	2"		3/4"				750		750		7 day
2.							50		325		3 hrs
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, F _{sc}
1.	12.365		62		9258	
2.						
3.						
4.						
5.						

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure P.S.I.A.	P.S.I.A.
5.					Critical Temperature °F	R

P _c 762	P _c ² 580,644	
NO. 1	P _t ² 337	P _w ² 113,569
2.		
3.		
4.		
5.		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2431$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 836$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1772$

Absolute Open Flow	836	Mcf/d @ 15.025	Angle of Slope	.75	Slope, n	.75
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Remarks:

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