

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 10/6/76			
Company Amoco Production Company				Connection None					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 9/29/76		Total Depth 5400		Plug Back TD 5344		Elevation 6013 GL		Farm or Lease Name Ealum Gas Com	
Csq. Size 7.000	Wt. 23	d 6.366	Set At 3200	Perforations: From 4650 To 5222		Well No. 1A			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5234	Perforations: From Open ended To		Unit Sec. Twp. Rge. D 33 32 10			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F 70°		Mean Annual Temp. °F 70°		Baro. Press. - P _a 15.025		State New Mexico	
L 4936	H	Gg .650	% 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.	
SI	7 Days						675		679	
1.			0.750				280	60°	600	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		292	1.000	.9608	1.031	3577
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 _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 691	P _c ² 477,481			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{4.6386}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{3.1607}$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		612	374,544	102,937	
2					
3					
4					
5					

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{11,306}$

Absolute Open Flow **11,306** Mcfd @ 15.025 Angle of Slope Θ _____ Slope, n **.75**

Remarks: **4.500" Liner Set @ 3018'-5400'**

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: W. R. Cordill	Checked By: H. D. Montgomery	Original Signed by: H. D. MONTGOMERY
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