

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 3/16/78	
Company Amoco Production Company				Connection		
Pool Choza Mesa				Formation Pictured Cliffs		Unit
Completion Date 2/25/78		Total Depth 4350		Plug Back TD 4308		Elevation 7224
Firm or Lease Name Valencia Canyon Unit						Well No. 15
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4350	Perforations: From 4038 To 4075		Unit Sec. Twp. Rge. I 27 28 4
Tbg. Size 2.375	Wt. 4.6	d 1.995	Set At 4264	Perforations: From Open To Ended		
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		State New Mexico
L	H	Gg .65	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	13 days						764		1125	
1.	2.375	0.750					140	60	440	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		152	1.000	.9608	1.014	1831
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1	1137	452	204304	1088465
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.1877$

AOR = Q · $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2119$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1574$

Absolute Open Flow	2119	Mcf @ 15.025	Angle of Slope	85
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Remarks: _____

Approved by Commission	Conducted by: T. M. Oliver	Calculated by: TMO/MJE	Checked by: J. L. Krupka
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