

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 4-29-77	
Company AMOCO PRODUCTION COMPANY				Connection None		
Pool Choza Mesa				Formation Pictured Cliffs		Unit
Completion Date 4-22-77		Total Depth 4432		Plug Back TD 4397		Elevation 7332 KB
Farm or Lease Name Valencia Canyon Unit						Well No. 3
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4433	Perforations: From 4140 To 4306		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4306	Perforations: From Open To Ended		Unit G Sec. 22 Twp. 28 Rge. 4
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba
Producing Thru Tbg.		Reservoir Temp. °F @		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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 days						1137		1145	
1.	2.375"		.750				280	60°	530	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	1.029	3570
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 1157	P _c ² 1,338,649	
NO.	P _t ²	P _w ²
1	542	293,764
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2811$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2344$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4407$$

Absolute Open Flow 4407 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
Remarks: _____		

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: Oliver/B.J.Wheeler	Checked By: H. D. Montgomery
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H. D. MONTGOMERY