

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			
Company Amoco Production Company				Connection				
Pool Chosa Mesa				Formation Pictured Cliffs				Unit
Completion Date 12/27/77		Total Depth 4370		Plug Back TD 4372		Elevation 7276		Farm or Lease Name Valencia Canyon Unit
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4370	Perforations: From 4124 To 4145			Well No. 10	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4138	Perforations: From Open To Ended			Unit Sec. Twp. Rge. H 34 28 4	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico
L	H	G _g .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.		Temp. °F
1	2.375		0.750				773		773		24 hrs.
2.							275		400		
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	Flowing with 275# back pressure on tubing						51
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 785	P _c 616225		
NO.	P _t ²	P _w	P _w ²
1	412	169744	446481
2.			
3.			
4.			
5.			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.3802$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 67$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3151$$

Absolute Open Flow 67 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .85
Remarks: _____			

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: TMO/MJF	Checked By: J. L. Krupka
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