

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 1/2/85		JAN 23 1985	
Company Amoco Production Co.				Connection Northwest Pipeline Corp.			OIL CON. DIV.	
Pool Undesignated				Formation Gallup			Unit DIST. 3	
Completion Date 9/19/84		Total Depth 8080		Plug Back TD 8035		Elevation 6280 GR		Farm or Lease Name Rosa Unit
Csq. Size 4.500	Wt. 11.6	d 4.000	Set At 8080	Perforations: From 6706 To 7266		Well No. 116		
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7396	Perforations: From sliding To sleeve		Unit A	Sec. 24	Twp. 31
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Commingle				Packer Set At 7400		County Rio Arriba		
Producing Thru tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico
L	H	G _g	% 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	49 days						2560		2560	
1.	2.375	.750					225		820	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		237	1.000	.9258	1.028	2789
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

F _c 2572 P _c ² 6615184				
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		832	692224	5922960
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1169$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0864$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3030$

Absolute Open Flow	3030	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: flared lite H₂O - reason for delay muddy roads

Approved By Commission:	Conducted By: J.J. Barnett	Calculated By: J.J. Barnett	Checked By:
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