

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JAN 28 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 1/2/85						
Company Amoco Production Company				Connection Northwest Pipeline Corp.							
Pool Undesignated				Formation Gallup							
Completion Date 10/26/84			Total Depth 8109		Plug Back TD 8060		Elevation 62536R		Farm or Lease Name Rosa Unit		
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 8109	Perforations: From 6948 To 7176				Well No. 115			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7234	Perforations: From sliding To sleeve				Unit H	Sec. 22	Twp. 31	Rye. 6
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Commingle					Packer Set At 7240			County Rio Arriba			
Producing Thru tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a			State New Mexico		
L	H	Gg	% 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.	Temp. °F	
SI	60 days						2510		2510		
1.	2.375	.750					247		1032		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		259	1.000	.9258	1.032	3060
2.							
3.							
4.							
5.							

NO.	P _t	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	

P _c 2522	P _c ² 6360484		
NO.	P _i ²	P _w	P _w ²
1		1044	1089936
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2068$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1514$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3523$

Absolute Open Flow	3523	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: flared, med. 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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