

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

Form C-122
Revised 9-1-65

RECEIVED
OCT 24 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 10-2-84	
Company Amoco Production Co.		Connection Northwest Pipeline	
Pool Basin		Formation Dakota	
Completion Date 8/28/84		Total Depth 8127	Plug Back TD 8070
Elevation 6387GL		Farm or Lease Name Rosa Unit	
Crag. Size 4.500	Wt. 11.6	d 4.000	Set At 8127
Perforations: From 7877 To 7902		Well No. 100	
Tiq. Size 2.375	Wt. 4.7	d 1.995	Set At 7975
Perforations: From open To ended		Unit N	Sec. Twp. Rge. 21 31 6
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Commingle		Packer Set At 7348	County Rio Arriba
Producing Thru tubing	Reservoir Temp. °F θ	Mean Annual Temp. °F	Baro. Press. - P _a New Mexico
L	H	Gq	% 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
SI	39 Days						2935		X		
1.	2.375	.500					260		X		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	5.4315		272	1.000	.9258	1.036	1417
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 2947 P _c ² 8684809	
NO.	P _t ² P _w ² P _c ² P _c ² - P _w ²
1	280 78400 8606409
2	
3	
4	
5	

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0091$

AOI = Q · $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1427$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0068$

Absolute Open Flow _____ 1427 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____ .75
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Remarks: Not fared, heavy spray H₂O

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