

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR WELL

RECEIVED
MAR 27 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 2-28-84	
Company Amoco Production Co.		Connection Northwest Pipeline Corp.	
Pool Undesignated		Formation Gallup	
Completion Date 2-1-84		Total Depth 8210	Plug Back TD 8195
Elevation 6545 GL		Farm or Lease Name Rosa Unit	
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 8210
Perforations From 6626 To 7792		Well No. 97	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7839
Perforations From sliding To sleeve		Unit Sec. Twp. Rge. K 31 31 5	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Commingled		Packer Set At 7907	
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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	12 days						2350		2450		3 hrs
1	2.375	.750					430		1310		
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 O. Mcfd
1	12.375		442	1.000	.9258	1.055	5338
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas-Liquid Hydrocarbon Ratio _____ Mcf/mbl.
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

P _c 2464	P _c ² 6071296	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.4042$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.2900$
NO	P _t ²	P _w	P _t ² - P _w ²
1		1322	1747684
2			4323612
3			
4			
5			
AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 6886$			

Absolute Open Flow	6886	Mcf @ 15.025	Angle of Slope	Slope, n .75
--------------------	------	--------------	----------------	--------------

Remarks: Med spray H₂O, was not flared
Tbg landed @ 8163

Approved By Division Conducted By J. J. Barnett Calculated By J. J. Barnett Checked By