

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
NOV 30 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 10-26-84	
Company Amoco Production Co.		Connection Not dedicated (NWPL)	
Pool Basin		Formation Dakota	
Completion Date 10-1-84		Total Depth 8141	Plug Back TD 8096
Elevation		Farm or Lease Name Rosa Unit	
Csq. Size 4.500	Wt. 11.6	d 4.000	Set At 8141
Perforations: From 7896 To 8062		Well No. 99Y	
Tq. Size 2.375	Wt. 4.7	d 1.995	Set At 8065
Perforations: From open To ended		Unit N 26 31 6	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Commingle		Packer Set At 7350	
County Rio Arriba		State New Mexico	
Producing Thru tubing		Reservoir Temp. °F #	Mean Annual Temp. °F
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.	
SI	21DAXS						2880		X	
1.	2.375		.750				272		X	
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, Mcld
1	12.365		284	1.000	.9258	1.035	3365
2.							
3.							
4.							
5.							

NO.	R _g	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1					Specific Gravity Separator Gas _____	X X X X X X X X
2.					Specific Gravity Flowing Fluid _____	X X X X X
3.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
4.					Critical Temperature _____ R	_____ R
5.						

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1	2892	8363664	302	91204	8272460
2					
3					
4					
5					

NO.	P _c ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1				1.0110	1.0083
2					
3					
4					
5					

NO.	AOF = Q	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	3393	3393
2		
3		
4		
5		

NO.	Absolute Open Flow	Mcld @ 15.025	Angle of Slope @	Slope, n
1	3393			.75
2				
3				
4				
5				

Remarks: flared, med H₂O

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