

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☒ Special		Test Date		8/22/84	
Company				Connection							
Amoco Production Co.				NWPL							
Pool				Formation				Unit			
Undes.				Gallup							
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
8/3/84		8100		8055		6303GL		Rosa Unit			
Coq. Size	Wt.	d	Set At	Perforations:		Well No.					
4.500	11.6	4.000	8100	From 7074 To 7232		101					
Thq. Size	Wt.	d	Set At	Perforations:		Unit		Sec.	Twp.	Rge.	
2.375	4.7	1.995	7235	From Sliding To Sleeve		K		24	31	6	
Type Well - Single - Draddenhead - G.C. or G.O. Multiple						Packer Set At		County			
Single - Commingle						7280		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.	Temp. °F	Duration of Flow
SI	13 Days						2580		2580		
1.	2.375	.750					50		240		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		62	1.000	.9258	1.006	714
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcft/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
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.
5.					Critical Temperature	R

P _c 2592	P _c ² 6718464	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0095$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0071$
NO.	P _t ²	P _w	P _w ²
1		252	63504
2			
3			
4			
5			

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 719$$

Absolute Open Flow	719	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Heavy H₂O Did Not Flare

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