

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
MAR 14 1985
OIL CON. DIV
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 2-11-85	
Company Amoco Production Co.		Connection North West Pipeline	
Pool undes.		Formation Gallup	
Completion Date 10-19-85	Total Depth 8525	Plug Back TD 8351	Elevation 6649 GR
Farm or Lease Name Rosa Unit		Well No. 118	
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 8525
Perforations: From 7214 To 7602		Well No. 118	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7770
Perforations: From sliding To sleeve		Unit Sec. Twp. Rye. H 35 32 6	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Commingle		Packer Set At 7800	
Producing Thru tubing		County Rio Arriba	
Reservoir Temp. °F #		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.	
SI	92 days						2200		2200	
1.	2.375		.750				111		1240	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	12.365		123	1,000	.9258	1.014	1428
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

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4714$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3360$
1	2212	4892944	1252	1567504	3325440		
2							
3							
4							
5							

Absolute Open Flow _____ 1907 _____ Mcfd @ 15.025		Angle of Slope θ _____		Slope, n _____ .75	
Remarks: Heavy spray H2O delay due to muddy roads					

Approved By Division	Conducted By: B&R Services	Calculated By: JJ Barnett	Checked By: JK
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