

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
FEB 06 1986
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 1-28-86	
Company Amoco Production Co.			Connection El Paso		
Pool Otero			Formation Chacra		
Completion Date 1-17-86		Total Depth 7650		Plug Back TD 7547	
Elevation 6651GL		Farm or Lease Name 146 Jicarilla Contract			
Csg. Size 4.500		Wt. 10.5		d 4.052	
Set At 7650		Perforations: From 3816 To 3838		Well No. 21R	
Thq. Size 2.375		Wt. 4.7		d 1.995	
Set At 7314		Perforations: From open To ended		Unit Sec. Twp. Rge. N 3 25 5	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 3898	
Producing Thru Casing		Reservoir Temp. °F p		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	7 days								662		
1.	2.375		.750						119		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, Mcf/d
1	12.365		131	1.000	.9258	1.012	1518
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ 14cf/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 _i ²	P _w	P _w ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.0528$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.0394$
1		151	22801	431475		
2						
3						
4						
5						

Absolute Open Flow _____ 1578 _____ Mcf @ 15.025				Angle of Slope _____ Slope, n. 15	
Remarks: Annulus flow, flared, lite condensate, med h20					

Approved By Division	Conducted By: Joe Elledge	Calculated By: J.J. Barnett	Checked By: JB
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