

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RESERVED
MAR 14 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 2-12-85	
Company Amoco Production Co.		Connection El Paso Natural Gas Co.	
Pool Blanco		Formation Mesa Verde	
Completion Date 12-29-84		Total Depth 5848	Plug Back TD 5806
Elevation 5490 GR		Farm or Lease Name Sanchez Gas Com C	
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 5848
Perforations: From 3445 To 4396		Well No. 1	
Thq. Size 2.375	Wt. 4.7	d 1995	Set At <u>5640</u> 4472
Perforations: From sliding To sleeve		Unit Sec. Twp. Rge. A 28 29 10	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual		Packer Set At 4480	
Producing Thru casing		County San Juan	
Reservoir Temp. °F		State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _g	
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
SI	21 days						X		1210		
1.	2.875	.750					X		301		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		313	1.000	.9258	1.031	3694
2.							
3.							
4.							
5.							

NO.	P _r	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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P_c 12.22 P_c² 1493284

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1154$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0854$
1						
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4009$

Absolute Open Flow	4009	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Heavy spray H2O, Lite oil, Annulus flow, sliding sleeve closed

Approved By Division	Conducted By Joe Elledge	Calculated By JJ Barnett	Checked By:
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