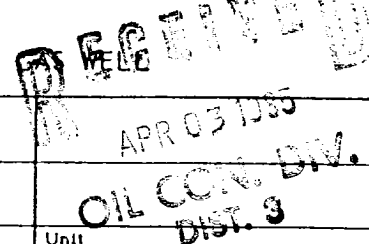


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR



Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 3-14-85			
Company Amoco Production Co.				Connection El Paso Natural Gas Co.			
Pool Otero				Formation Chacra			
Completion Date 3/4/85		Total Depth 3100		Plug Back TD 3056		Elevation 5736GR	
Farm or Lease Name Bruce R Sullivan				Well No. 2			
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 3100	Perforations: From 2808 To 2932		Well No. 2	
Thq. Size 2.375	Wt. 4.6	d 1.995	Set At 2946	Perforations: From open To ended		Unit Sec. Twp. Rye. J 23 28 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At none		County San Juan	
Producing Thru tubing		Reservoir Temp. *F #		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.	
SI	8 days						938		985	
1.	2.375	.750					188		444	3hrs
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		200	1.00	.9258	1.020	2335
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 _____ 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 _r	P _w	P _c	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		456	207936	786073	1.2645	1.1925
2						
3						
4						
5						

AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2784$

Absolute Open Flow	2784	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Flared, Lite H2O, Lite oil

Approved by Division	Conducted By: Bryan Services	Calculated By: JJ Barnett	Checked By: X
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