

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 7-25-72				
Company AMOCO PRODUCTION COMPANY				Connection None					
Pool Blanco				Formation Pictured Cliffs				Unit	
Completion Date 7-25-72		Total Depth 2295		Plug Back TD 2218		Elevation 5589		Farm or Lease Name Jaquez Gas Com "B"	
Csg. Size 4-1/2	Wt. 9.5	d 4.090	Set At 2278	Perforations: From 2170 To 2213			Well No. 4		
Tbg. Size 1-1/4	Wt. 2.33	d 1.380	Set At 2210	Perforations: From Open to Ended			Unit Sec. Twp. Rge. K 4 29N 9W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None			County San Juan		
Producing Thru Tbg.		Reservoir Temp. °F 60° Est.		Baro. Press. - P _a 12 PSIA Est.			State New Mexico		
L	H	Gg .650	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line 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	
1.	7 Day 2-Inch	.750			956	60° Est.	958		3 Hr.
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	12.3650		187	1.000	.9608	1.018	2262
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

RECEIVED
JUL 28 1972
OIL CON. COM.
DIST. 3

$P_c = 970$ $P_c^2 = 940,900$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.750$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.610$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1		635	403,225	537,675				
2								
3								
4								
5								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3642$

$\frac{P_c^2}{P_c^2 - P_w^2} = 1.750$

Absolute Open Flow 3642 Mcfd @ 15.025		Angle of Slope θ	Slope, n .85
Remarks:			

Approved By Commission:	Conducted By: B. D. Dukes	Calculated By: P. C. Ellison	Checked By: J. A. Snell <small>Original Signed by</small>
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TABULATION OF DEVIATION TESTS
JAQUEZ GAS COM "B" NO. 4
AMOCO PRODUCTION COMPANY

<u>DEPTH</u>	<u>DEVIATION</u>
231'	1/2°
642'	1/4°
1093'	3/4°
1448'	3/4°
1683'	1/2°
2295'	3/4°

A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation tests taken on AMOCO PRODUCTION COMPANY'S Jaquez Gas Com "B" No. 4 located 1620' FSL and 1720' FWL, Section 4, T-29-N, R-9-W, San Juan County, New Mexico.

Signed J. Arnold Snell
Title Area Engineer

THE STATE OF NEW MEXICO)
) SS.
COUNTY OF SAN JUAN)

BEFORE ME, the undersigned authority, on this day personally appeared J. Arnold Snell known to me to be Area Engineer for Amoco Production Company and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 27th day of July, 1972.

Eleanor J. Brown
Notary Public

My Commission Expires: December 28, 1975

