

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special			Test Date 3/26/84		
Company Stone Petroleum			Connection Air		
Foot South Pitchfork Ranch			Formation Morrow		
Completion Date 3-23/84		Total Length 15800'		Plug Back TD 15735'	
Elevation 3343.4 GL		Farm or Lease Name Javelina Basin			
Co. Size 5 1/2"	Wt. 23	d	Set At 15800'	Perforations: From 15076 To 15436'	
Tr. Size 2 7/8"	Wt. 7.9	d	Set At 13190'	Perforations: From Open To Ended	
Type Well - Single - Erosionhead - G.C. or G.O. Multiple Single Gas				Packer Set At 13070'	
Producing Thru Tbg		Reservoir Temp. °F 227 @ 15256'		Mean Annual Temp. °F 60°	
L 15256'		H 15256'		Haze. Press. - P _a 13.2	
G _g .5761		% CO ₂ .341		% N ₂ .705	
Prover		Meter Run 2.900		Type Flg.	

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	of Flow
SI							7550	62	PKR		26.00 hrs
1	2.900		1.750	550	11	94	7173	62	PKR		.45 Mins
2	2.900		1.750	550	20	93	6905	62	PKR		.45 mins
3	2.900		1.750	560	39	93	6405	62	PKR		.45 mins
4	2.900		1.750	560	69	81	5647	62	PKR		1.00 hr
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 _{sc}	Rate of Flow Q, MscfD
1	15.87	78.71	563.2	.9688	1.318	1.036	1652
2	15.87	106.13	563.2	.9697	1.318	1.036	2230
3	15.87	149.52	573.2	.9697	1.318	1.036	3142
4	15.87	198.87	573.2	.9804	1.318	1.036	4225
5							

NO.	H	Temp. °R	T _r	z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	.84	554	1.58	.932	527.389	
2	.84	553	1.58	.932	47.7 @ 60	
3	.85	553	1.58	.931	.5761	XXXXXX.YXX
4	.85	541	1.55	.931	XXXXXX	.5822
5					672	672 P.S.I.A.
					350	350 °R

NO	P _w	P _w ²	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	7190.2	51699.0	5503.0	2.304	1.730
2	6926.1	47970.9	9231.1		
3	6434.1	41397.6	15804.4		
4	5689.5	32370.4	24831.6		
5					

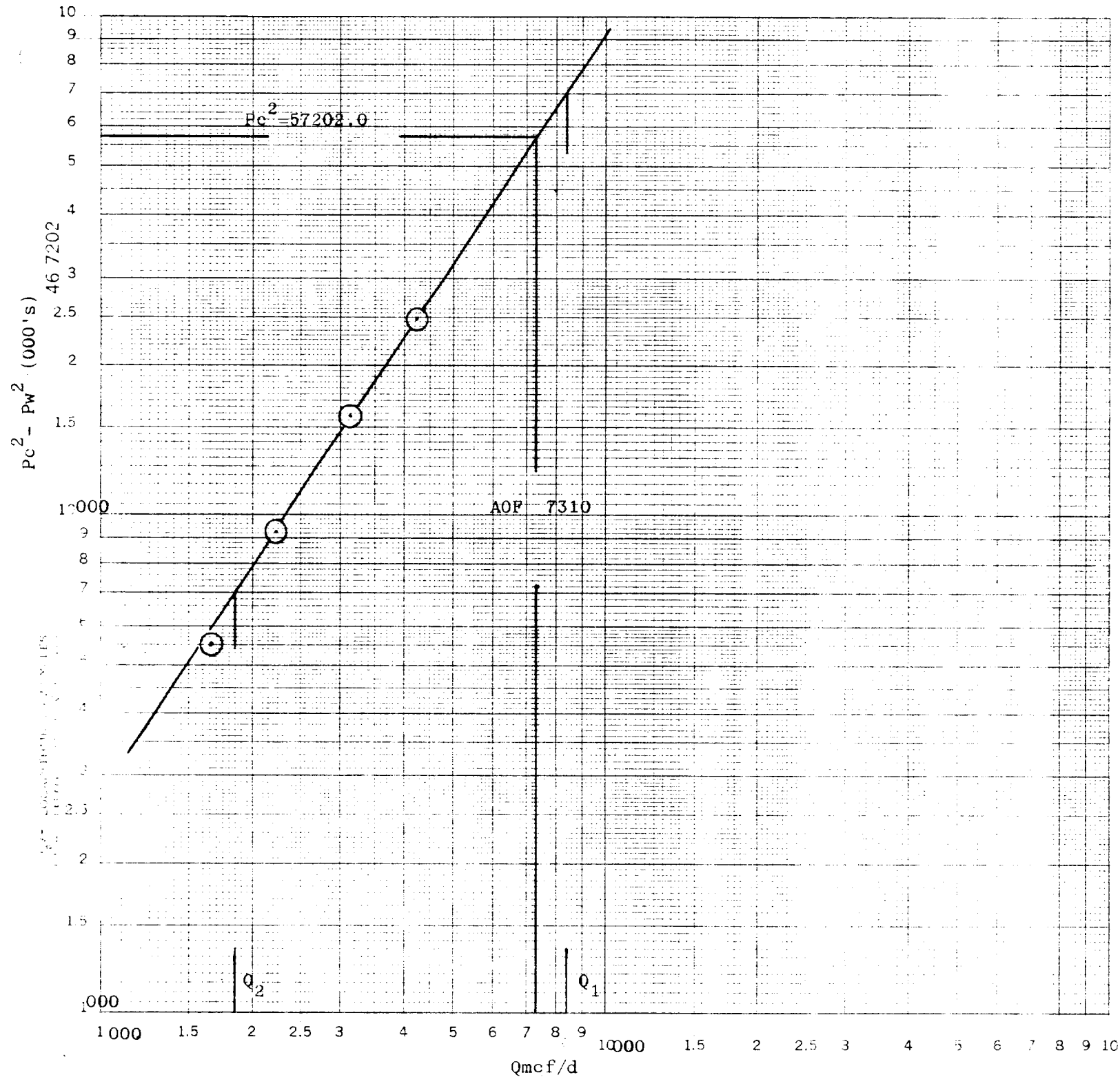
Absolute Open Flow 7310 McfD @ 15.025 Angle of Slope @ 56.75° Slope, n .657

Remarks: PRODUCED .75 BBL. OF CONDENSATE DURING THE TEST

Approved By Division	Conducted By. JARREL WELL TESTING, INC.	Calculated By. Rick Pagan	Checked By:
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RECEIVED
MAR 30 1984
O.C.D.
MEMBERS OFFICE

COMPANY: Stone Petroleum
 WELL: Javelina Basin, Unit No. 2
 LOCATION: 16 25s 34e
 COUNTY: Lea
 DATE: March 26, 1984



$$\begin{aligned}
 Q_1 \text{ Log } 8400 &= 3.924279 \\
 -Q_2 \text{ Log } 1850 &= 3.267172 \\
 N &= \frac{.657}{\theta} \\
 \theta &= 56.75^\circ
 \end{aligned}$$

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