

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-13-77	
Company Palmer Oil & Gas		Connection Northwest Pipeline	
Pool Blanco		Formation Hosavendo	
Completion Date 7-6-77	Total Depth 5223	Plug Back TD 5200	Elevation 6465GL 6476.3
Farm or Lease Name Yacor		Well No. 2	
Csg. Size 7.500	Wt. 20% 10.57	d 6.456	Set At 3424
Perforations: From 5220/5534 To 5626/5700		Well No. 2	
Tbg. Size 2.375	Wt. 4.2	d 1.995	Set At 5007
Perforations: From Open To Ended		Unit Sec. Twp. Rge. D 20 32N 6W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru Tubing		Baro. Press. - P _a 12 psi-aat	
Reservoir Temp. °F @		Mean Annual Temp. °F @	
State New Mexico		County San Juan	
L	H	Gg est. 0.650	% 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	2 days						1003		1003	
1.	2 "		.750	412			412	60°	429	60°
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	12.5680		424	1.000	.9608	1.043	5294
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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 1000	P _c ² 1,000,000	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 6.7458$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.1718$
NO	P _f ²	P _w	P _w ²	P _c ² - P _w ²		
1	161	105.44	11114.4	888855.6		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 21,918$

Absolute Open Flow **21,918** Mcfd @ 15.025 Angle of Slope @ **3** Slope **.75**

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OIL CON. COM.

DIST 3

Remarks: **any gas throughout test.**

4.500 10.5 liner set from 2100' to 5222'

Approved By Commission:	Conducted By: Joe F. Ellodge	Calculated By: Joe F. Ellodge	Checked By: Mr. Don Roberts
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