

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4-23-91	
Company Texaco Inc.		Connection Not Connected	
Pool Blanco		Formation Pictured Cliffs	
Completion Date 4-16-91	Total Depth 5903	Plug back TD 5755	Elevation 6319 KB
Farm or Lease Name Wayne Moore		Well No. 1A	
Csq. Size 5.500	WI. 15.5	Set At 5.012	Perforations: From 3174 To 3300
Tq. Size 2.0625	WI. 3.25	Set At 1.751	Perforations: From open To ended
Type Well - Single - Brdenhead - G.G. or G.O. Multiple		Packer Set At 3311	County San Jaun
Producing Thru tubing	Reservoir Temp. °F •	Mean Annual Temp. °F •	Baro. Press. - P _a 12.0
L 3268	H 3268	G _g .700 EST	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps 2"x6"x.75

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	168 HOURS						449		565		
1.	2.0"x6"x.750						117	60	369		1st HR
2.	2.0"x6"x.750						106	60	336		2nd HR
3.	2.0"x6"x.750						101	60	320		3rd HR
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	11.000		129	1.000	1.195	1.015	1721
2	11.000		118	1.000	1.195	1.014	1573
3	11.000		113	1.000	1.195	1.014	1506
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons 47.6@ 75 _____ 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

P _c 577 P _c ² 332929				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		332	110224	222705
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.4949$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2120$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4074$$

Absolute Open Flow 2120 _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .85
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Remarks: 12 BLS CONDENSATE 8 BLS LOAD WATER

Approved By Division	Conducted By: Paul D. Berhost	Calculated By: Paul D. Berhost	Checked By:
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