

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type: Test		☒ Initial ☐ Annual ☐ Special		Test Date 7/16/82	
Company Oxoco Production Co.			Connection		
Pool Blanco			Formation Mesa Verde		Unit
Completion Date 7/3/82		Total Depth 8290'	Plug Back TD 8280	Elevation 6695	Farm or Lease Name Trail Canyon
Csg. Size 5 1/2	Wt. 17#	d d	Set At 8290	Perforations: From 5671 To 6075	Well No. 3
Tub. Size 2 3/8	Wt. 4.7	d d	Set At 5913	Perforations: From To	Unit Sec. Twp. Rge. I 7 32N 8W
Type Well - Single - Broadhead - G.G. or G.C. Multiple GG Multiple				Packer Set At 8110	County San Juan
Producing Thru Tubing		Reservoir Temp. °F 160 @ 6000'	Mean Annual Temp. °F 70	Baro. Press. - P _a 12.2	State New Mexico
L	H	Gg .700	% 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.	Temp. °F	
SI							1100		1100		
1.	2 x 6 x .75						152	55	620		3 hours
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 F _g	Super Compress. Factor, F _{pV}	Rate of Flow Q, Mgd
1	11		164	1.005	1.195	1.020	2210
2.							
3.							
4.							
5.							

NO.	R _i	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	.24	515	1.31	.962	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 _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\hspace{2cm}}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\hspace{2cm}}$
1	1112	632	1236544	399424	837120	1.477	1.340
2.							
3.							
4.							
5.							

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\hspace{2cm}}$			
Absolute Open Flow <u>2961</u>		Mold @ 15.025	Angle of Slope @ <u>.75</u>

Remarks:			
Approved By Division	Conducted By: B. Sloane	Calculated By: J. Alexander	Checked By: