

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-2-77	
Company Continental Oil Co.				Connection None	
Pool South Blanco				Formation Picture 6 Cliffs	
Completion Date 7-18-77		Total Depth 3810		Elevation 7207	
Csg. Size 2 7/8		Wt. 6.5		Set At 3766	
Thq. Size		Wt.		Set At	
Perforations: From 3726 To 3743				Well No. 11	
Perforations: From To				Unit Sec. Twp. Rge. L 3 25N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At	
Producing Thru Csg		Reservoir Temp. °F 102° 3725		Mean Annual Temp. °F 50°	
Baro. Press. - P _a 12.2		State N.M.			
L 3734		H 3734		G _g .69	
% 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
1.	3/4" choke nipple			63		60			928	80°	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	11.00		75	1.00	1.204	Neg.	993
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					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 _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.012$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.011$
1.		104	10825		$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1004$	
2.						
3.						
4.						
5.						

Absolute Open Flow 1004 Mcfd @ 15.025		Angle of Slope θ .85	
Remarks:			
Approved By Commission:		Conducted By: F.T. Chavez	
		Calculated By: F.T. Chavez	
		Checked By:	

NMOC - AZTEC (2) - USGS - DURANGO (2) - BEA - FILE