

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4/15/78	
Company Continental Oil Company				Connection None			
Pool East San Juan				Formation Pictured Cliff		Unit	
Completion Date 4/6/78		Total Depth 8425'		Plug Back TD 6400'		Elevation	
Farm or Lease Name Census 29-4		Well No. 4					
Csg. Size 7"	Wt. 23	d 6.366	Set At 7055'	Perforations: From 3728' To 3876'			
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 3730'	Perforations: From open ended to			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single G.				Packer Set At none		County Rio Arriba	
Producing Thru Tbg		Reservoir Temp. °F 121° 3720'		Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.2	
State N. Mex.							
L 3730'	H 3730'	G _g .690	% 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				1075		60°	1075	60°	1045	60°	
1.	3/4" choke nipple					65°	365	68°	359	60°	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	11.0		377	.9924	1.204	1.139	5,643.3
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	.545	520	1.37	.926	A.P.I. Gravity of Liquid Hydrocarbons	_____ Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
5.					Critical Temperature _____ R	_____ R

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1		674	45416	45416	0
2.					
3.					
4.					
5.					

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.6881$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.5406$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 6,808$

6,808

Absolute Open Flow	6,808 Mcfd @ 15.025	Angle of Slope θ	Slope, n
Remarks:			
Approved By Commission:	Conducted By: D. L. Moore	Calculated By: D. L. Moore	Checked By: