

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 6-2-78		SPUD DATE NOT AVAIL.	
Company Continental Oil Company				Connection None			
Pool Eumont				Formation Yates and Queen		Unit J	
Completion Date 5-23-78		Total Depth 3825		Plug Back To 3635		Elevation 3531 DF	
Csg. Size 5 1/2		Wt. 17#		Set At 3705		Perforations: Yates 2805 - 2940 From queen 3433 To 3590	
Tub. Size 2 3/8		Wt. 4.7		Set At 3580		Perforations: From open To end	
Type Well - Single - Brokenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Lea	
Producing Thru Tbg.		Reservoir Temp. °F 110 @ 3580		Mean Annual Temp. °F 13.2		State New Mexico	
L 3580	H 3580	Gg .699	% CO ₂ 5.21	% N ₂ 3.11	% H ₂ S 2"	Prover 2"	Meter Run 2"

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	
51							475		475		72 hrs.
1.	2	x	.750	20		76	459		460		45 Min.
2.	2	x	.750	40		66	438		444		60 Min.
3.	2	x	1.00	30		66	416		429		60 Min.
4.	2	x	1.00	40		67	312		411		60 Min.
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	9.453		33.2	.9850	1.196	Nil	370
2	9.453		53.2	.9943	1.196	Nil	598
3	17.09		43.2	.9943	1.196	Nil	878
4	17.09		53.2	.9933	1.196	Nil	1080
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/cbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1.				Nil	Specific Gravity Separator Gas _____	XXXXXX
2.				Nil	Specific Gravity Flowing Fluid _____	XXXXX
3.				Nil	Critical Pressure _____ P.S.I.A.	P.S.I.A.
4.				Nil	Critical Temperature _____ R	R
5.						

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1		473.2	223.9	14.4	4.079	2.960
2		457.2	209.0	29.3		
3		442.2	195.5	42.8		
4		424.2	179.9	58.4		
5						

Absolute Open Flow _____ 3.197 _____ Mcfd @ 15.625		Angle of Slope α _____ 52.25°		Slope, n _____ .772	
Remarks: _____					
Approved By Commission: _____		Conducted By: _____ Reggie Reston		Calculated By: _____ Reggie Reston	
Checked By: _____					

HOBBS (2) - USGS HOBBS (2) - FILE