

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-17-74			
Company Continental Oil Company				Connection None					
Pool Eumont				Formation Queen				Unit	
Completion Date 7-17-74		Total Depth 3740		Plug Back TD		Elevation		Farm or Lease Name SEMU Eumont	
Csg. Size 5 1/2	Wt. 14#	d	Set At 3740	Perforations: From 3568 To 3629		Well No. 93			
Tub. Size 2 7/8	Wt. 6.5	d	Set At 3463	Perforations: From open To end		Unit Sec. Twp. Rge. B 23 20S 37E			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County Lea	
Producing Thru Tbg.		Reservoir Temp. °F 60		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State New Mexico	
L 3463	H 3463	Gg .678	% CO ₂	% N ₂	% H ₂ S	Prover 2"	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							357		381		72 hr.
1.	2 x .500			17.0		90	294		379		1 hr.
2.	2 x .500			32.0		90	289		376		1 hr.
3.	2 x .500			47.0		87	280		374		1 hr.
4.	2 x .500			64.0		83	280		371		1 hr.
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	4.279		30.2	.9723	1.214	Nil	153
2.	4.279		45.2	.9723	1.214	Nil	228
3.	4.279		60.2	.9750	1.214	Nil	305
4.	4.279		77.2	.9786	1.214	Nil	392
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	None		Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons			Deq.
2.					Specific Gravity Separator Gas	.678	X X X X X X X X	
3.					Specific Gravity Flowing Fluid	X X X X X		
4.					Critical Pressure	669	P.S.I.A.	P.S.I.A.
5.					Critical Temperature	382	R	R

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	394.2	392.2	153.8	1.6	19.923	10.316
2		389.2	151.5	3.9		
3		387.2	149.9	5.5		
4		384.2	147.6	7.8		
5						

Absolute Open Flow 4.044 Mcfd @ 15.025				Angle of Slope θ 52.0		Slope, n .780	
Remarks: Neg. Amount of fluid made during test.							

Approved By Commission: <i>John W. Runyan</i>	Conducted By: Rick Pagan	Calculated By: J. B. Murray	Checked By:
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