

MULTIPOINT AND 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 EUMONT		Unit 	
Completion Date		Total Depth 3764		Plug Back TD		Elevation	
Farm or Lease Name SEMU Eumont							
Csg. Size 5 1/2	Wt. 14	d	Set At 3764	Perforations: From 3678 To 3745		Well No. 92	
Trg. Size 2 7/8	Wt.	d	Set At 3617	Perforations: From To		Unit Sec. Twp. Rge. 14 20S 37	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Lea	
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 13.2	
State New Mexico							
L	H	G _g .681	% 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							405		405		24 hr.
1.	2	x	1/2	19		95	337		383		1 hr.
2.	2	x	1/2	32		92	314		366		1 hr.
3.	2	x	1/2	44		90	296		353		30 min.
4.	2	x	1/2	50		89	265		336		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, Mscf
1	4.279		32.2	.9680	1.212	Nil	162
2	4.279		45.2	.9706	1.212	Nil	228
3	4.279		57.2	.9723	1.212	Nil	288
4	4.279		63.2	.9732	1.212	Nil	319
5.							

NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.		555			A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.		552			Specific Gravity Separator Gas	.681
3.		550			Specific Gravity Flowing Fluid	X X X X X
4.		549			Critical Pressure	669 P.S.I.A.
5.					Critical Temperature	385 °R

NO.	P _i	P _w	P _w ²	P _i ² - P _w ²	(1) $\frac{P_i^2}{P_i^2 - P_w^2} = 3.300$	(2) $\left[\frac{P_i^2}{P_i^2 - P_w^2} \right]^n = 2.134$
1		396.2	157.0	17.9		
2		379.2	143.8	31.1		
3		366.2	134.1	40.8		
4		349.2	121.9	53.0		
5						

Absolute Open Flow				681 Mcf @ 15.025	Angle of Slope θ	57.75	Slope, n	.635
Remarks: No fluid was made during test.								

Approved By Commission: 	Conducted By: Reggie Reston	Calculated By: Reggie Reston	Checked By:
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PREPARED BY: Frank Chavez - Continental Oil Company