

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial		Div. Address		Div. Supt.		Div. Engr.		Div. Oil. Asst.		County Coord.		M. S. Supv.		Test Date 6/26/74		☐ Special					
Company Continental Oil Company										Connection None											
Well Eumont										Formation Eumont								Unit C			
Completion Date 6-14-74				Total Depth 3750				Plug Back TD 3745				Elevation 3515 GR				Farm or Lease Name SEMU Eumont					
Csg. Size 2 1/2		Wt. 14#		d		Set At 3750		Perforations: From 3540 To 3692				Well No. 91									
Tub. Size 2 1/2		Wt.		d		Set At 3700		Perforations: From To				Unit C				Sec. 26		Twp. 20		Rge. 37	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple										Packer Set At				County Lea							
Producing Thru Tbg.				Reservoir Temp. °F 8				Mean Annual Temp. °F				Baro. Press. - P _a 13.2				State New Mexico					
H		Gg		% CO ₂		% N ₂		% H ₂ S		Prover 2"		Meter Run		Taps							
671 (Assumed)																					

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.	2	x	3/8	20		96	293		329		24 hrs.
2.	2	x	3/8	57		98	292		321		45 Min
3.	2	x	3/4	22		92	289		318		30 Min
4.	2	x	3/4	32		87	273		309		30 Min
5.	2	x	3/4	62		82	207		295		1 hr.
							152		265		1 hr.

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	2.378		33.2	.9671	1.221	Nil	93
2	2.378		70.2	.9653	1.221	Nil	198
3	9.453		35.2	.9706	1.221	Nil	394
4	9.453		45.2	.9750	1.221	Nil	509
5	9.453		75.2	.9795	1.221	Nil	850

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1		556					671 Assumed		669	382
2		558								
3		552								
4		547								
5										

P _r 342.2		P _c 117.1		
NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²
1		334.2	111.69	5.41
2		331.2	109.69	7.41
3		322.2	103.8	13.29
4		308.2	94.99	22.11
5		278.2	77.40	39.70

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 2.950$ (2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.577$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.190$

Absolute Open Flow	2,190	Mcf/d @ 15.025	Angle of Slope °	48.75	Slope, n	.875
Remarks: No fluid made during test.						

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
<i>[Signature]</i>	Reggie Reston	Rick Pagan	Joe Murrav