

MEXICO OIL CONSERVATION COM. ON
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-66

* CORRECTED COPY

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 2-15-80		SPUD DATE: 1-5-80	
Company Amerada Hess Corporation			Correction None		
Pool Eumont			Formation Seven Rivers Queen		
Completion Date 2-13-80		Total Depth 3470		Plug back TD 3551 GL	
Csg. Size 5 1/2		Set At 3329		Perforations: 3329 To 3470	
Tub. Size 2 1/16		Set At 3446		Perforations: open To hole	
Type Well - Single - Prodenhead - G.G. or G.O. Multiple Single			Packer Set At None		Unit K
Producing Thru Tbg.		Reservoir Temp. °F 8		Mean Annual Temp. °F 13.2	
L		H		Baro. Press. - P _a 13.2	
Gg		% CO ₂		% N ₂	
.718		.16		2/36	
G		Gg		% H ₂ S	
4"		Prover		Meter Run	
4"		Flg.		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	
51							130		134		72 hrs.
1.	4	x	1.250	59	6	73	116		122		45 Min.
2.	4	x	1.250	51	28	79	95		118		30 Min.
3.	4	x	1.250	54	50	80	65		109		30 Min.
4.	4	x	1.250	46	65	82	51		96		30 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 O. Mcd
1	7.469	20.81	72.2	.9877	1.180	Nil	181
2	7.469	42.40	64.2	.9822	1.180	Nil	367
3	7.469	57.97	67.2	.9813	1.180	Nil	501
4	7.469	62.03	59.2	.9795	1.180	Nil	536
5.							

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.	.11	533	1.38	Nil			.718		665	386
2.	.10	539	1.40	Nil						
3.	.10	540	1.40	Nil						
4.	.09	542	1.40	Nil						
5.										

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²
1	147.2	21.7	*135.2	*18.3
2			*131.2	*17.2
3			*122.2	*14.9
4			*109.2	*11.9
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = * 4.822$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = * 2.196$

$n = 0 \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = * 806$

Absolute Open Flow * 806 Mcd @ 15.025

Angle of Slope * 62.5

Slope, n * .500

Remarks: No liquid.

Approved by Consultant:	Conducted By:	Calculated By:	Checked By:
	Thomas R. Kiker	Thomas R. Kiker	<i>Thomas R. Kiker</i>