

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 2-12-80		SPUD DATE: 12-28-79	
Company Amerada Hess Corporation			Location None		
Field Eumont			Formation Seven Rivers Queen		Unit H
Completion Date 2-5-80		Total Depth 3457'		Elevation	
Casing Size 5 1/2"		Set At 3431'		Perforations: From 3431' To 3457'	
Tubing Size 2 3/8"		Set At 3445'		Perforations: From open To ended	
Type Well - Single - Prodenhead - G.G. or G.O. Multiple Single				Packoff Set At None	
Producing Thru Tbg. 3445'		Reservoir Temp. °F 108 @ 3445'		Mean Annual Temp. °F 60	
				Daro. Press. - P _a 13.2	
L 3445'		H 3445'		G _g .663	
				% CO ₂ 0	
				% N ₂ 3.32	
				% H ₂ S 0	
				Prover 4"	
				Meter Run 4"	
				Flange	

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.	4	x	1.750	235	5.0	56	820	56	825	56	72 hrs.
2.	4	x	1.750	235	11.0	58	738	58	745	58	45 Min.
3.	4	x	1.750	250	20.0	59	638	59	650	59	45 Min.
4.	4	x	1.750	245	38.0	61	448	61	498	61	60 Min.
5.											45 Min.

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.	14.93	35.23	248.2	1.004	1.228	1.027	666
2.	14.93	52.25	248.2	1.002	1.228	1.027	986
3.	14.93	72.55	263.2	1.001	1.228	1.028	1369
4.	14.93	99.05	258.2	.9990	1.228	1.028	1865
5.							

NO.	P ₁	Temp. °R	T ₁	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.	.37	516	1.37	.949	None		.663		670	378
2.	.37	518	1.37	.949						
3.	.39	519	1.37	.946						
4.	.39	521	1.38	.947						
5.										

NO.	P ₁ ²	P _w ²	P _w ² - P ₁ 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.	838.2	702	200.3	1.407	1.407
2.	758.2	571	328.0		
3.	663.2	440	463.1		
4.	511.2	299	641.6		
5.					

Absolute Open Flow		2,624 Mcfd @ 15.025	Angle of Slope °	450	Slope, n	1.000
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Remarks: Made no fluid during test.

Approved By: <u>Bob McMurray</u>	Conducted By: <u>Bob McMurray</u>	Calculated By: <u>Bob McMurray</u>	Checked By: <u>Henry R. Holasek</u>
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