

NEW 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 1-7-77	
Company Amerada Hess Corporation				Connection El Paso Nat. Gas (Not Installed)		
Field So. Blanco				Formation Pictured Cliffs		Unit
Completion Date 12/10/76		Total Depth 4020		Plug Back TD 4001		Elevation 6910 GL
Casing Size 4 1/2"		Wt. 10.5		Set At 4018		Perforations: From 3001 To 3054
Casing Size 1 1/2"		Wt. 1.9		Set At 3899		Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 3196'		Farmer or Lease Name J. Apache "A"
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0
L 3001		H 3001		G _g 0.680		% CO ₂ % N ₂ % H ₂ S Prover 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	
1.	Pos. Ch. 0.750			93		71					
2.											
3.											
4.											
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							
2	12.3650		105	.9896	.9393	1.0	1,207
3							
4							
5							

NO.	P _c	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					Dry Gas		.680		669	385
2										
3										
4										
5										

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	794	630.4			2.106	1.883
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.273$			
Initial Rate Open Flow 2.273 Mcfd @ 15.025		Angle of Slope 85	

Remarks: Initial test prior to connection for sales

Approved By Commission:	Conducted By:	Calculated By:	Checked By: G. B. Miller
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