

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type of Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 12/31/76	
Company Amerada Hess Corporation				Connection El Paso Nat. Gas (Not Installed)		
Location Otero Chacra				Formation Chacra		Unit
Completion Date 12/10/76		Total Depth 4020		Plug Back TD 4001	Elevation 6910 GI	Farm or Lease Name J. Apache "A"
Orifice Size 4 1/2"	Wt. 10.5	d 4.052	Set At 4018	Perforations: From 3875 To 3990		Well No. 8
Thru Size 1 1/2"	Wt. 1.9	d 1.610	Set At 3899	Perforations: From Open To Ended		Unit Sec. Twp. Rge. N 26, 25N - 5W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 3092		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0
State New Mexico		L 3899		H 3899	Gg .670	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps
FLOW DATA				TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F
1	2"		1 1/4"	20		65
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 Fg	Super Compress. Factor, F _{spv}
1	1160*		32	.9952	.9463	1.0
2						
3						
4						
5						
NO.	P _t	Temp. °R	T	Z	Gas Liquid Hydrocarbon Ratio <u>Dry Gas</u> Mcf/bbl.	
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2					Specific Gravity Separator Gas _____ X X X X X X X X X	
3					Specific Gravity Flowing Fluid _____ X X X X X	
4					Critical Pressure <u>669</u> P.S.I.A. _____ P.S.I.A.	
5					Critical Temperature <u>382</u> F _____ F	
NO.	P _c ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.300$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.217$	
1			82.8	276.0	AOFP = 0 $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.329$	
2						
3						
4						
5						
At Date Open Flow <u>1,329</u> Mcfd @ 15.025				Angle of Slope ϕ _____ Slope, n <u>75</u>		
Remarks: * 2" orifice well tester. 20 psig.						
Approved By Commission:		Conducted By:		Calculated By:		Checked By: G. B. Miller