

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

REVISED 9-1-82

45F
F.1=

NOV

Type Test ☒ Initial ☐ FOUR POINT ☐ Annual ☐ Specific		Test Date 11-3-82	
Company DINERO OPERATING		Connection AIR NEW WELL	
Pool DUBLIN RANCH		Formation MORROW	
Completion Date 11-1-82	Total Depth 12,750	Plug Back To 12,450	Elevation 5401
Perforations From 11,951 To 12,128		Well No. 1	
Perforations From OPEN To ENDED	Unit C		Sec. 16
Type Well - Single - (Woodshead - G.O. or G.O. Multiple) SINGLE		County EDDY	
Producing thru TUBING	Reservoir Temp. °F 204 @ 12,039	Mean Annual Temp. °F 60	Base Press. - P _g 13.2
State NEW MEXICO			
L 12039	H 12039	Q _g 0.587	% CO ₂ 1.32
% H ₂ .53		% H ₂ S 0	Prover 2.00
Meter Run 0		Type FLANGE	
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
SI			
1	2.00	X	0.094
2	2.00	X	0.188
3	2.00	X	0.188
4	2.00	X	0.219
5			
TUBING DATA			
NO.	Prover Line Size	X	Orifice Size
SI			
1	2.00	X	0.094
2	2.00	X	0.188
3	2.00	X	0.188
4	2.00	X	0.219
5			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{P/P_m}$	Pressure P _m
1	0.14	0	1119.2
2	0.61	0	498.2
3	0.61	0	828.2
4	0.84	0	438.2
5			
Flow Temp. Factor Ft.			
1	0.9971		
2	1.0068		
3	1.0068		
4	0.9981		
5			
Gravity Factor F _g			
1	1.3049		
2	1.3049		
3	1.3049		
4	1.3049		
5			
Super Compress. Factor, F _{sp}			
1	1.0890		
2	1.0431		
3	1.0712		
4	1.0353		
5			
Rate of Flow Q, Mc/d			
1	223		
2	414		
3	707		
4	495		
5			
Gase Liquid Hydrocarbon Ratio _____ Mc/d			
A.P.G. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas 0.587			
Specific Gravity Flowing Fluid XXXXXX			
Critical Pressure 678 P.S.I.A.			
Critical Temperature 351 °F			
AOF = 0			
(1) $\frac{P_0^2}{P_b^2 - P_0^2} = 2.1973$			
(2) $\left[\frac{P_0^2}{P_b^2 - P_0^2} \right]^n = 1.4853$			
AOF = 0 $\left[\frac{P_0^2}{P_b^2 - P_0^2} \right]^n = 1051$			
Absolute Open Flow 1051 Mc/d @ 15.023			
Angle of Slope @ 63.3			
Slope, n 0.503			
Remarks:			
Approved By Commissioner			
Conducted By: DON BENNETT			
Calculated By: BENNETT-CATHEY			
Checked By:			