

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12-18-80	
Company Jerome P. McHugh				Connection	
Pool S. Blanco, P.C.				Formation Pictured Cliffs	
Completion Date 12-11-80		Total Depth 3200'		Elevation 7096' GL	
Casing Size 4 1/2"		Well No. #1		Farm or Lease Name Di's Delight	
Perforations: From 3093 To 3150		Unit E		Sec. 17	
Perforations: From open end To		Twp. 24N		Rwy. 2W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				County Rio Arriba	
Producing thru				State New Mexico	
Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		Prover	
G _g .62 est.		% CO ₂		% N ₂	
% H ₂ S		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
1.					
2.					
3.	1/2" pos. choke		89	49°	
4.					
5.					
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g
1.					
2.					
3.	5.4315		101	1.011	.9837
4.					
5.					
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio
1.					Mcf/bbl.
2.					A.P.I. Gravity of Liquid Hydrocarbons
3.					Specific Gravity Separator Gas
4.					Specific Gravity Flowing Fluid
5.					Critical Pressure
					Critical Temperature
$P_c = 834$ $P_w^2 = 695,556$					
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0936$
1.					
2.					
3.		244	59,536	636,020	
4.					
5.					
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 589$					
Absolute Open Flow 589				Mold # 15.025	
Angle of Slope				Slope, n .85	
Remarks					
Approved by Division					
Conducted By					
Calculated By					
Checked By					

