

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		8-28-80	
Company				Jerome P. McHugh				Connection			
Pool				Basin Dakota				Formation			
Dakota				Unit							
Completion Date		8-15-80		Total Depth		7670'		Plug Back TD		7612'	
Elevation		6703 KB		Farm or Lease Name		Jicarilla					
Csg. Size		4 1/2"		Wt.		11.6 & 10.5		Set At		7661	
Perforations		From 7416		To		7578		Well No.		2E	
Tbg. Size		1 1/2		Wt.		2.9#		Set At		7541	
Perforations		From Open End		To				Unit		J 30 26N 4W	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple								Packer Set At		County	
Single - Gas										Rio Arriba	
Producing Thru		Tbg.		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State	
										New Mexico	
L		H		G _g		.65 est.		% 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	
SI							2370		2370		7 days
1.											
2.											
3.	3/4" Pos. choke			94	---	650	---		820		3 hrs.
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, Fpv	Rate of Flow Q, Mcfd
1							
2							
3	12.365	---	106	.9952	.9608	1.010	1266
4							
5							

NO.	P _t	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										
2										
3										
4										
5										

NO.	P _t	P _w	P _t ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1							
2							
3		832	692,224	4,981,700		1.1390	1.1025
4							
5							

Absolute Open Flow		Mcfd @ 15.025	Angle of Slope	Slope, n
1397				.75

Approved by Division	Conducted By	Calculated By	Checked By
	Hazon	Jacobs	