

3 - NMOCD

1 - McHugh

1 - Basin

1 - NW

1 - File

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 10-14-80	
Company Jerome P. McHugh				Connection	
Pool Basin Dakota				Formation Dakota	
Completion Date 9-17-80		Total Depth 7769'		Plug Back TD 7750	
		Elevation 6778		Farm or Lease Name Jicarilla	
Coq. Size 4 1/2	Wt. 10.5 & 11	d 6	Set At 7769'	Perforations: From 7545 To 7713	
Trg. Size 1 1/2	Wt. 2.9	d	Set At 7669'	Perforations: From open To end	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single-Gas				Packer Set At	
Producing Thru tbg		Reservoir Temp. °F p		Mean Annual Temp. °F	
		Baro. Press. - P _a		County Rio Arriba	
		State New Mexico			
L	R	G _g .65	% 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	
51							1500		2450		7 days
1.											
2.											
3.	3/4 pos choke						60	72°	630		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	12.365		72	.9887	.9608	1.007	852
4							
5							

NO.	F _g	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	Mcfd/bbl.	Deg.
1												
2												
3												
4												
5												

NO.	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_c^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^{.75} =$
1					
2					
3		642	412164	5649280	902
4					
5					

Absolute Open Flow 902 Mcfd @ 15.025 Angle of Slope .75

Remarks:

Approved By Division Conducted By Hall Calculated By Hall Checked By