

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6/19/81	
Company Jerome P. McHugh		Connection	
Pool Basin Dakota		Formation Dakota	
Completion Date 5/10/81	Total Depth 6400	Plug Back TD 6314'	Elevation 6309' GL
Farm or Lease Name Nassau		Well No. 3E	
Csg. Size 4 1/2"	Wt. 10.5#	Set At 4.052"	Perforations From 6142 To 6276
Tbg. Size 1 1/2"	Wt. 2.9	Set At 6196	Perforations From Open End To
Type Well - Single - Drdndhead - G.G. or G.O. Multiple Single Gas		Packer Set At	
Producing Thru Tbg.		Baro. Press. - P _a	
Reservoir Temp. °F		Mean Annual Temp. °F	
County San Juan		State New Mexico	
L	H	Gg .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							1540		1520		7 days
1.											
2.											
3.	5/8" Pos Choke			74		60°			600		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	8.5417		86	1.000'	.9608	1.0000	706
4							
5							

NO.	P _r	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	Mc/ubl.	Deg.	P.S.I.A.	R
1														
2														
3														
4														
5														

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1						
2						
3	1552	612	374,544	2,034,160	1.1841	1.1351
4						
5						

Absolute Open Flow 801		Mcf @ 15.025		Angle of Slope		Slope, n .75	
Remarks:							
Approved By Division		Conducted By		Calculated By		Checked By	

