

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-15-81	
Company Jerome P. McHugh		Connection	
Pool Basin Dakota		Formation Dakota	
Completion Date 6-2-81		Total Length 7345'	Plug Back TD
Elevation		Form or Lease Name Hardie	
Csg. Size 4 1/2"	Wt. 10.5#	d 4.052	Set At 7345'
Perforations: From 7057' To 7285'		Well No. 5E	
Tq. Size 1 1/4"	Wt. 2.4#	d 1.380	Set At 7244'
Perforations: From Open End To		Unit A	
Type Well - Single - Blindhead - G.G. or G.O. Multiple		Packer Set At	County San Juan
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _a
State New Mexico		Meter Run	
L	H	Gg .65 est	% CO ₂
% N ₂	% H ₂ S	Prover	Taps

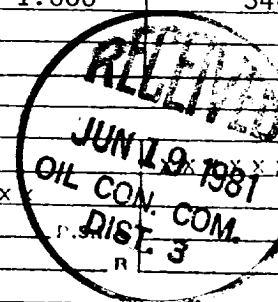
FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.							2160		2160		7 days
2.											
3.	5/8" pos choke			30		62°			1500		3 hrs
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	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcd
1.							
2.							
3.	8.5417		42	.9981	.9608	1.000	344
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.										



P _c 2172	P _c ² 4,717,584	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.9402$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.6440$
NO. 1	P _t ²	P _w ²	P _t ² - P _w ²
2.			
3.	1512	2,286,144	2,431,440
4.			
5.			

Q_{OF} = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 566$

Absolute Open Flow 566 Mcd @ 15.025 Angle of Slope 0 Slope, n

Remarks:

Approved By Division Conducted By: Calculated By: Checked By: