

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-2-76		1976 OIL CON. COM. DIST. 3					
Company Jerome P. McHugh				Connection									
Pool Undesignated PC				Formation Pictured Cliffs				Unit					
Completion Date 8-26-76		Total Depth 1600'		Plug Back TD 1539'		Elevation 6016' RKB		Farm or Lease Name Nassau					
Csg. Size 2-7/8"	Wt. 6.5#	d	Set At 1582' RKB	Perforations: From 1384' To 1473'		Well No. 6							
Thq. Size 1-1/4"	Wt. 2.4#	d	Set At 1472' RKB	Perforations: From Open To Ended		Unit J 36 27N 12W							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan					
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico					
L	H	Gg	% 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							289		325		7 days		
1.													
2.													
3.	5/8" Pos Choke						4	62°	67		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	8.5417		16	.9981	.9837	1.000	134						
4													
5													
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.								
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.								
2					Specific Gravity Separator Gas _____						X X X X X X X X		
3					Specific Gravity Flowing Fluid _____						X X X X X		
4					Critical Pressure _____ P.S.I.A.						P.S.I.A.		
5					Critical Temperature _____ R						R		
P _c 337 P _c ² 113,569													
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0581$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0492$								
1													
2													
3		79	6,241	107,328	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 141$								
4													
5													
Absolute Open Flow 141 Mcfd @ 15.025					Angle of Slope θ _____				Slope, n .85				
Remarks: _____													
Approved By Commission:			Conducted By: Charles Hall			Calculated By: Jim L. Jacobs			Checked By:				