

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 12-13-77					
Company Brooks Hall Corp.				Connection							
Pool Tapacito Pictured Cliff				Formation Pictured Cliff				Unit			
Completion Date 12-3-77		Total Depth 4210'		Plug Back TD 4173'		Elevation 7308'		Farm or Lease Name Jicarilla			
Csg. Size 4-1/2"	Wt. 10.5	d	Set At 4195'	Perforations: From 4092' To 4118'		Well No. #1					
Tbg. Size 2-3/8"	Wt. 4.7	d	Set At 4103'	Perforations: From Open To Ended		Unit Sec. Twp. Rge. G 5 26 4					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County Rio Arriba			
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State NM			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps			
			.62								

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							820		820		7 days
1.											
2.											
3.	5/8 Pos. Choke						14.0	55°	340		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, Mcfd
1							
2							
3	8.5417		152	1.005	.9837	1.014	1301
4							
5							

NO.	P _t	Temp. °R	T _f	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 832	P _c ² 692224	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2180$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1824$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		352	123904	568320
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1538$

Absolute Open Flow 1538 Mcfd @ 15.025		Angle of Slope _____ Slope, n .85
Remarks: _____		
Approved By Commission:	Conducted By: Fagrelus	Calculated By: Hall

RECEIVED
 DEC 16 1977
 OIL CON. COM.
 DIST. 3