

Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Dugan Production Corp.					Lease or Unit Name Presley				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-26-95				
Completion Date 5-23-94					Well No. 1				
Total Depth 1305'					Plug Back TD 1220'				
Elevation 6640'					Unit Ltr. - Sec. - TWP - Rge. P 7 22N 8W				
County San Juan					Pool Bisti Chacra				
Csg. Size 2-7/8" Wt. 6.4#					Set At 1302'				
Perforations: From: 1131 To: 1220					Formation Chacra				
Tbg. Size 1-1/4" Wt. 2.4#					Set At				
Perforations: From: To:					Connection Chacra				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single - gas					Packer Set At				
Producing Thru tubing					Baro. Press. - P _a				
Reservoir Temp. °F					Mean Annual Temp. °F				
L					H				
G _g					% CO ₂				
% N ₂					% H ₂ S				
Prover					Meter Run				
Taps									

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	Orifice Size	Press. p.s.i.g.	Diff. h _o	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.						203		203		7 days
2.										
3.	1/2" choke					26		90		3 hrs
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_o P_a}$	Pressure P _a	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							
3.	4.722		38	1	1.29	1	231
4.							
5.							

NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl
1.						
2.						
3.						
4.						
5.						

NO.	P _i	P _u	P _u ²	P _i ² - P _u ²	1) $\frac{P_i^2}{P_i^2 - P_u^2} =$	2) $\left[\frac{P_i^2}{P_i^2 - P_u^2} \right]^a =$
1.						
2.						
3.		102	10404	35821		
4.						
5.						

Absolute Open Flow		Mcf/d @ 15.025	Angle of Slope θ	Slope, a

Remarks: Medium spray of water

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Hall	Alexander	