

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1/26/80			
Company Hill & Llewellyn				Connection					
Pool Ballard				Formation Pictured Cliffs				Unit	
Completion Date 1/18/80		Total Depth 2425		Plug Back TD 2402		Elevation		Farm or Lease Name Newsom B	
Csg. Size 2.875	Wt. 6.50	d 2.441	Set At 2425	Perforations: From 2215 To 2225		Well No. 16			
Thq. Size None	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. D-9-26N-8W			
Type Well - Single - Drdhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P ₀		State New Mexico	
L	H	Gg .650	% 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									552		8 Days
1.			.750	27		52					3 Hrs.
2.											
3.											
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	12.3650		39	1.0078	.9608		467
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon	Mcf/bbl.
1					A.P.I. Gravity of Liquid	Deg.
2.					Specific Gravity Separat	XXXXXX
3.					Specific Gravity Flowing	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	°R

P _c 564	P _c ² 318096	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.0069$	$\frac{P_r^2}{P_r^2 - P_w^2} = 1.0059$
NO.	P _r ²	P _w	P _r ² - P _w ²
1	1521	47	2186
2			
3			
4			
5			

Absolute Open Flow 470 Mcfd @ 15.025		Angle of Slope	Slope, n .85
Remarks: Light fog of water and drip throughout test.			
Approved By Division	Conducted By: CRW	Calculated By: ARK	Checked By:

