

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date 9/24/80			
Company Hill & Llewellyn				Connection							
Pool Ballard				Formation Pictured Cliffs						Unit	
Completion Date		Total Depth 2400		Plug Back TD		Elevation		Farm or Lease Name Hodges			
Coq. Size 2.875	Wt. 6.5	d 2.441	Set At 2397	Perforations: From 2262 To 2298				Well No. 17			
Thq. Size None	Wt.	d	Set At	Perforations: From To				Unit Sec. Twp. Rge. I-21-26N-8W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At		County San Juan			
Producing Thru Casing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico			
L	H	Gg est .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 _v	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI									628		7 days
1.			.750	104		62					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 F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		116	.9981	.9608	1.000	1375
2.							
3.							
4.							
5.							

NO.	P _r	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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _r 640	P _c ² 409600	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.0495$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.0419$
NO. 1	P _r ² 13456	P _w 139	P _w ² 19321
2			
3			
4			
5			

Absolute Open Flow 1433		Mcf @ 15.025	Angle of Slope @	Slope, n .85
Remarks:				

Approved by Division	Conducted by: CRW	Calculated by: A. K. Koudrich	Checked by:
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