NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 7/23/80	
Company: Hill & Llewellyn (Supron)		Connection			
Pool: Ballard		Formation: Pictured Cliffs		Unit	
Completion Date	Total Depth: 2350		Plug Back TD: 2320	Elevation	Farm or Lease Name: Newsom
Csg. Size: 2.875 / Wt.: 6.50 / d: 2.441 / Set At: 2320			Perforations: From 2074 To 2156		Well No.: 23
Tbg. Size: None / Wt. / d / Set At			Perforations: From To		Unit: I / Sec. / Twp.: 20 / Rge.: 26N-8W
Type Well – Single – Bradenhead – G.G. 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	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.650 est						

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI							382		7 days
1.	.750	118		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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		130	.9981	.9608	1.000	1542
2							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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DIST. 3

P_c 394 P_c^2 155326

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	16900	154	23714	131522
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1803$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1513$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1775$

Absolute Open Flow 1775 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	CRW		