STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 11/11/80	
Company: Hill & Llewellyn	Connection:		
Pool: Ballard	Formation: Pictured Cliffs		Unit:
Completion Date: 11/2/80	Total Depth: 2630	Plug Back TD:	Elevation: 6593 GR
Farm or Lease Name: Hodges			
Csg. Size: 2.875 / Wt.: 6.50 / d: 2.441 / Set At: 2582	Perforations: From 2386 To 2414		Well No.: 18
Tbg. Size: None / Wt. / d / Set At	Perforations: From To		Unit: M / Sec. / Twp.: 27N / Rge.: 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: .650 est. / % CO_2 / % N_2 / % H_2S / Prover / Meter Run / Taps				

FLOW DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI								596		9 days
1.		.750	118		61					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	12.3650		130	.9990	.9608	1.0000	1543
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 _____ XXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED
NOV
OIL CON. COM.
DIST.

P_c 608 P_c^2 369664

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1	16900	157	24750	344914
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0718$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0607$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1637$

Absolute Open Flow 1637 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	CRW	A.R. Kendrick	AR Kendrick