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: 12-02-87	
Company: MERIDIAN OIL			Connection:		
Pool: BLANCO			Formation: MESAVERDE		Unit:
Completion Date: 11-22-87	Total Depth: 5050'		Plug Back TD: 5037'	Elevation: 5904' GL	Farm or Lease Name: MURPHY C
Csg. Size: 4.5000 / Wt.: 10.5 / d: 4.0520 / Set At: 5055'			Perforations: From 4025 To 4882		Well No.: 2
Tbg. Size: 2.3750 / Wt.: 4.7 / d: 1.9950 / Set At: 4861'			Perforations: From To		Unit: A / Sec.: 27 / Twp.: 30 / Rge.: 11
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE			Packer Set At: N/A		County: SAN JUAN
Producing Thru: TUBING	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.2		State: NEW MEXICO

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.700						

	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					1092		1092		
1.	2" X 3/4				311		873		1 HR.
2.					283		803		2 HRS.
3.					263		758		3 HRS.
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		275.2	1.0000	.9258	1.0000	3150
2							
3							
4.							
5							

NO.	P_r	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 _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1104.2 P_c^2 1219257.6

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		770.2	593208	626049.6
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9475$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6486$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5193$

Absolute Open Flow 5193 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: unloaded slug in 1½ minutes, medium mist ofr 20 minutes, light mist of oil & water throughout test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	STEVE MCCAMENT	JAMES WM. SMITH	