OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

RECEIVED
APR 1 8 1992
OIL CON. DIV.
DIST. 3

Type Test			Test Date
[x] Initial	[ ] Annual	[ ] Special	2-10-92

Company	Connection	Unit
Meridian Oil Inc.	El Paso Natural Gas Co.	Huerfano

Pool	Formation
Angels Peak	Gallup

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
	6700'	6554'	6475'	Huerfano Unit

Csg. Size	Wt.	d	Set At	Perforations:	Well No.
4.500	10.5# 11.6#	K55	6700'	From 5536' To 5875'	270

Tbg. Size	Wt.	d	Set At	Perforations:	Unit	Sec.	Twp.	Rge.
2.375	4.75#	J55	5913'	From To	N	07	26N	10W

Type Well – Single – Bradenhead – G.C. or G.O. Multiple	Packer Set At	County
Single		San Juan

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
			12.2	New Mexico

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

NO.	FLOW DATA: Prover Line Size x Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2.000 x .750				543		543		initial
1.					52	68	441		15 min.
2.					21	66	429		30 min.
3.					94	70	402		1 hr.
4.					33	66	356		2 hrs.
5.					15	58	378		3 hrs.

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		27.2	1.000	.9258	1.000	311.3725
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 555.2 P_c^2 308,247.04

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		390.2	152,256.01	155,991
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9761$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6667$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 518.9645$

Absolute Open Flow 519 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	D. Horton	Stan E. Terwilliger	B. Huntington