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

Type Test			Test Date	
[X] Initial	[ ] Annual	[ ] Special	10-22-87	

Company	Connection	
MERIDIAN OIL, INC.		

Pool	Formation	Unit
BASIN	DAKOTA	

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
10-06-87	8018'	8011'	6720' GL	SAN JUAN UNIT 29-7

Csg. Size	Wt.	d	Set At	Perforations:	Well No.
4.5000	10.5#	4.0520	8018'	From 7813' To 8003'	139

Tbg. Size	Wt.	d	Set At	Perforations:	Unit	Sec.	Twp.	Rge.
1.9900	2.9#	1.6100	7973.51'	From To	J	25	29	07

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
SINGLE	NONE	RIO ARRIBA

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
TUBING			12.2	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						2117		2114		
1.	2"	X 3/4"				284		1289	50°	1 HR.
2.						235		1218	52°	2 HRS.
3.						208		1189	52°	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		220.2	1.0000	.9258	1.0000	2521
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 _____ XXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2129.2 P_c^2 4533492.6

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1201.2	1442881.4	3090611.2
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{4533492.6}{3090611.2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3329$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3360$

Absolute Open Flow 3360 Mcfd @ 15.025 | Angle of Slope ∠ _____ | Slope, n .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	G. OSBORNE	S. LINDSAY	