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OIL CON. DIV.
DIST. 3

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-122
Revised 4-1-91

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator				Lease or Unit Name		
Meridian Oil Inc.				San Juan 28-6 Unit		
Type Test [X] Initial [ ] Annual [ ] Special				**Test Date** 01-19-95		**Well No.** 157M
Completion Date 01-02-95	Total Depth 7,630	TVD MD	**Plug Back TD** 7,625	**Elevation** 6,528		**Unit Letter - Sec. - TWN - RNG** P-25-027N-06W
Csg. Size 4.500	**Wt.** 11.6	**d** 4.000	**Set At** 7,629	**Perforations:** From 7,423	To 7,624	**County** RIO ARRIBA
Tbg. Size 2.375	**Wt.** 4.7	**d** 1.995	**Set At** 7,598	**Perforations:** From	To	**Pool** BASIN
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - DK/MV			**Packer Set At** 5690			**Formation** DAKOTA
Prod Thru Tubing	**Resv Temp °F**	**Mean Ann T °F**	**Baro. Press. Pd** 12.20			**Connection**

L	H	Gg	% CO2	% N2	% H2S	Prover	Meter Run	Taps
		0.700	0.000	0.000				

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orfice Size	Press. p.s.i.g.	Diff. hw	Temp. F°	Press. p.s.i.g.	Temp. F°	Press. p.s.i.g.	Temp. F°	Duration of Flow
SI	2	0.750				1961		580		S.I.
1.						116	61	440		1 Hour
2.						55	58	405		2 Hours
3.						45	57	350		3 Hours
4.										
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure Pm	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	11.000		57.2	1.0029	1.1952	1.0000	754.22
2.							
3.							
4.							
5.							

NO.	Pr	Temp. °R	Tr	Z
1.				
2.				
3.				
4.				
5.				

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

Pc 592.20 Pc2 350,700.84

NO.	Pt2	Pw	Pw2	Pc2 - Pw2
1.		362.20	131,188.84	219,512.00
2.				
3.				
4.				
5.				

(1) $\frac{Pc2}{Pc2 - Pw2}$ = 1.5976 (2) $\left[\frac{Pc2}{Pc2 - Pw2}\right]^n$ = 1.4210

$AOF = Q\left[\frac{Pc2}{Pc2 - Pw2}\right]^n$ = 1,071.78

Absolute Open Flow	1,072	Mcfd @ 15.025	Angle of Slope		Slope, n	0.75

Remarks:

Approved By Division	Conducted By:	Calculated By:	Checked By:
	JOE GOLDING	TANYA ATCITTY	LARY BYARS