

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP O BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 01-09-1992	
Company Meridian Oil Inc.				Connection EPNG	
Pool Blanco				Formation Mesa Verde	
Completion Date 01-12-1992		Total Depth 5651'		Elevation 6762' GL	
Casing Size 4.5		Set At 11.6#		Well No. 7	
Tubing Size 2.375		Set At 4.7#		Well No. 7	
Type Well - Single - Broadhead - G.C. or G.C. Multiple Single		Packer Set At N/A		County Rio Arriba	
Producing Thru Tbg		Reservoir Temp. °F 65		State N.M.	
L		H		Gg	
		% CO ₂		% N ₂	
		% H ₂ S		Prover	
		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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	
SI	2"		.750				903		1128		
1.							332	73	618		1hr
2.							229	72	554		2hr
3.							220	72	550		3hr
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	11		232	.9887	1.24	1.022	3197
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas-Liquid Hydrocarbon Ratio	Mcfd/bbl.
1	.35	532	1.42	.957	A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2					Specific Gravity of Gas	XXXXXX
3					Specific Gravity of Gas	XXXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1	.35	.562	315844	983.756	
2					
3					
4					
5					

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.33$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.2385$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 3959$

RECEIVED

FEB 5 1992

OIL CON. DIV

DIST. 3

Absolute Open Flow	3959	Mcfd @ 15.025	Angle of Slope @	Slope, n	.75
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Approved By Division	Conducted By:	Calculated By:	Checked By:
		<i>Harry Byars</i>	<i>Harry Byars</i>