

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

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-14-93		JUN 24 1993	
Company Meridian Oil Inc.		Connection MOI		OIL CON. DIV. DIST. 3	
Pool Blanco		Formation Mesaverde		Unit	
Completion Date 3-22-93		Total Depth 5700'		Elevation 6076' GL	
Casing Size 2 3/8"		Set At 4.7#		Perforations: From 4447' To 5651'	
Type Well - Single - Roddedhead - G.G. or G.C. Multiple		Packer Set At		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F		State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _g		Prover	
L 5675		H 5675		G _g .661	
% CO ₂ 1.7100		% N ₂ 0.1200		% H ₂ S	
FLOW DATA		TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1	2"		.750		
2					
3					
4					
5					
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g
1	3.604		262.2	0.9777	1.2300
2					
3					
4					
5					
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Mcl/bbl.
1	0.3874	543.67	1.463	0.9588	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R
$P_c = 470.20$ $P_c^2 = 221088.04$ $P_w = 451.20$ $P_w^2 = 203581.44$ $P_c^2 - P_w^2 = 17506.6$ $(1) \frac{P_c^2}{P_c^2 - P_w^2} = 12.6288$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6.6992$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 20717.54$					
Absolute Open Flow 20.718 Mcl @ 15.025 Angle of Slope @ _____ Slope n 0.75					
Remarks: 12 BBLS oil 1st hour, 4 BBLS oil 2nd hour, 2 BBLS oil 3rd hour. No water.					
Approved By Division		Conducted By: Steve Adams		Calculated By: Noel Rogers	
				Checked By:	