

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 <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 12-26-91							
Company Meridian Oil Inc.			Connection EPNG								
Pool Otero/Blanco			Formation Chacra/Mesa Verde		Unit						
Completion Date 10-23-91		Total Depth 4607'	Plug Back TD 4607'	Elevation 5837'	Farm or Lease Name Grambling						
Csg. Size 5.5 7.0	Wt. 15.5/20	d 4.950	Set At 6.456	Perforations: From To							
Tng. Size 2.375	Wt. 4.7	d 1.995	Set At 3164'	Perforations: From 4475' To 4586'							
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single - Commingled			Packer Set At N/A		County San Juan 045						
Producing Thru Tbg		Reservoir Temp. °F e	Mean Annual Temp. °F	Baro. Press. - P _g 12.2	State New Mexico						
L	H	G _g .65	% CO ₂	% N ₂	% H ₂ S						
Prover	Meter Run	Taps									
FLOW DATA			TUBING 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	Duration of Flow
51	2"		.750				488		488		
1.							149	66	284		1hr
2.							127	67	241		2hrs
3.							119	63	224		3hrs
4.											
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	9.604		131.2	.9924	1.240	1.013	1570174				
2.											
3.											
4.											
5.											
<div style="border: 2px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 1.2em;">RECEIVED</div> JAN 6 1992											
NO.	R ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid _____ Deg. Specific Gravity Separator Oil _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R						
1	.1958	528	11408	1.013	OH CON. DIV. DIST. 3 XXXXX XXXX						
2.											
3.											
4.											
5.											
NO.	P ₁ ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_1^2 - P_w^2} = 1.2870$ (2) $\left[\frac{P_c^2}{P_1^2 - P_w^2} \right]^n = 1.2033$						
1		236.2	55.790.44	194409.60	AOF = Q $\left[\frac{P_c^2}{P_1^2 - P_w^2} \right]^n = 1897.94$						
2											
3											
4											
5											
Absolute Open Flow				1898	Mcf @ 15.025			Angle of Slope @		Slope, n .75	
Remarks:											
Approved By Division			Conducted By: Cliff Gates			Calculated By: Larry Lucas			Checked By:		

1970 MOD 110
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