

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-26-78			
Company MARATHON OIL COMPANY				Connection					
Pool LA PLATA-BLANCO MV				Formation MESA VERDE				Unit I	
Completion Date		Total Depth 5005		Plug Back TD 4955		Elevation 5901 KB		Farm or Lease Name OHIO "E" GOV'T.	
Csg. Size 4.5	Wt. d	Set At 5000	Perforations: From 4619 To 4839		Well No. 1-A				
Tbg. Size 2.375	Wt. d	Set At 4200	Perforations: From To		Unit 18		Sec. 31	Twp. 12	Rge. 12
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE GAS						Packer Set At NONE		County SAN JUAN	
Producing Thru Tbg.		Reservoir Temp. °F 145 @ 4700		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State NEW MEXICO	
L	H	Gg .650	% CO ₂	% N ₂	% H ₂ S	Prover X	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	7 Days						975		973		
1.	2 X 3/4						325	76	671		3 hrs.
2.											
3.											
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	9.453		337	0.9850	1.240	1.031	4012
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX	
3.					Specific Gravity Flowing Fluid _____ XXXXX	
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5.					Critical Temperature _____ R _____ R	

P _c 987 P _c ² 974169		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9189$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6295$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		683	466489	507680	
2.					
3.					
4.					
5.					

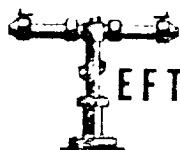
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6538$

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.9189$

$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6295$

Absolute Open Flow 6538 _____ Mcfd @ 15.025		Angle of Slope θ _____		Slope, n 75	
Remarks: _____					

Approved By Commission:	Conducted By: Toby Tefteller	Calculated By: Neil Tefteller	Checked By: <i>J.P. [Signature]</i>
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EFTELLER, INC.

reservoir engineering data

MIDLAND, TEXAS

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File 2-8753-P

Company MARATHON OIL COMPANY Lease OHIO "E" GOV'T. Well No. 1-A
Field LA PLATA-BLANCO MESA VERDE County SAN JUAN State NEW MEXICO
Formation MESA VERDE (LOWER POINT LOOKOUT) Test Date JULY 26, 1978

