

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

Form C-177
 Revised 9-1-61

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 5-4-82	
Company MOBIL PRODUCING TEXAS & NEW MEXICO, INC.		Connection NORTHWEST PIPELINE	
Pool BLANCO MESA VERDE		Formation MESA VERDE	
Completion Date 5-4-82	Total Length 6220	Plug Back To 6212	Elevation 7064'
Csq. Size 5 1/2"	Set At 15.5"	Perforations: From 5614 To 6132	Well No. 3-A
Trq. Size 2 3/8"	Set At 4.7#	Perforations: From 5620 To 5626	Unit I
Type Well - Single - Prodenhead - G.G. or G.O. Multiple SINGLE		Factor Set At NONE	County RIO ARriba
Producing Thru TUBING	Reservoir Temp. °F 154° 6000	Mean Annual Temp. °F 50°F	State NEW MEXICO
L 5619	H 5619	G _g .6943	% CO ₂ .494
		% N ₂ .277	% H ₂ S -
		Prover 0.75"	Meter Run 2"

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	
1.	2"	X	0.75"	325	-	68	1612	-	1612		172.5 HR
2.							463		893		3 HR
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 F _g	Super Compress. Factor, F _{spv}	Rate of Flow Q, Mcd
1.	12.3650	-	377.2	.9924	.9298	1.0414	4482
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	5620	528	1.3611	.9220	896.4	65.0 @ 60°F	.6943	X X X X X	671	389
2.										
3.										
4.										
5.										

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1.	225.82	905.2	819.39	1818.64	1.4506	1.3218
2.						
3.						
4.						
5.						

Absolute Open Flow 5924 Mcd @ 15.025 Angle of Slope 53.13 Slope, n 0.75

Remarks: PRODUCED 5 BBLS. CONDENSATE + 2 BBLS. WTR. DURING 3 HR. TEST

Approved By Commission:	Conducted By: K.D. JONES	Calculated By: J. BOUBEL	Checked By: J. Morris
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