

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

Form C-122
 Revised 6-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10/17/77	
Company Mobil Oil Corporation				Connection None		
Pool Blanco Mesa Verde				Formation Mesa Verde		Unit 0
Completion Date 9/26/77		Total Depth 6172		Plug Back TD 6160		Elevation Farm or Lease Name Jicarilla B
Csq. Size 4 1/2"	Wt. d	Set At 6172	Perforations: From 5698' To 6136'		Well No. #3A	
Tbg. Size 2 3/8"	Wt. d	Set At 5684	Perforations: From To		Unit Sec. Twp. Rye. P 20 26N 3W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At Baker Model D @ 5684'		County Rio Arriba
Producing Thru Tbg		Reservoir Temp. °F 154 @ 6000		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2
State New Mexico						
L 5917	H 5917	Gg .69	% CO ₂ .854%	% N ₂ .376%	% H ₂ S -	Prover .75"
Meter Run 2"		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" X .75"					57°	773	57°	Packer	-	171 3/4 hrs
1.						72°	96	70	Packer	-	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	12.365		62.2	.9887	.9320	1.008	714.4
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.0926	532	1.3747	.985	A.P.I. Gravity of Liquid Hydrocarbons 48.2° API @ 60° F	Deg.
2.					Specific Gravity Separator Gas .6905	XXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX	
4.					Critical Pressure 771	P.S.I.A.
5.					Critical Temperature 394	R

P _c 785.2	P _c ² 616.5	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.041$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0307$
NO	P _t ²	P _w	P _w ²
1	11.28	-	24.34
2			
3			
4			
5			

Absolute Open Flow 736.3		Mcf/d @ 15.025	Angle of Slope 53.1	Slope n .75
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Remarks: ≈ 6 BWPD			
Approved By Commission:	Conducted By: R. D. George	Calculated By: R. D. George	Checked By: C. L. Pyle

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Mobil Oil Corporation
 Tularilla B-3A
 Blanco mesa Verde Field
 Rio Arriba Co, N.M.

