

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 9/16/77			
Company Mobil Oil Corporation				Connection				
Pool Blanco Mesa Verde				Formation Mesa Verde				Unit
Completion Date 9-3-77		Total Depth 6030		Plug Back TD 6030		Elevation		Farm or Lease Name Jicarilla B
Csq. Size 4 1/2"	Wt. 10.5	d 4.052	Set At 6030	Perforations: From 5554 To 5914		Well No. 2-A		
Tbg. Size 2 3/8"	Wt. 4.7	d 1.995	Set At 5516	Perforations: From To		Unit Sec. Twp. Rge. 0 19 T26N R3W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 5512-16		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 5554	H 5554	Gg .6943	% CO ₂ .918	% N ₂ .277	% 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"						805	55°	Packer	-	168 3/4 hrs.
1.						84	136	65°	-	-	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		72.2	.9777	.930	1.007	817
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.1074	544	1.445	.986	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas .6943	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure 669	P.S.I.A. P.S.I.A.
5.					Critical Temperature 398	R R

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	21.96		39		609	1.064	1.048
2							
3							
4							
5							

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 856$

Absolute Open Flow	856	Mcf/d @ 15.025	Angle of Slope	53.1°	Slope, n	.75
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Remarks:

Approved By Commission:	Conducted By: C. L. Pyle	Calculated By: R. D. George	Checked By: M. W. Brinkmeyer
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Mobil Oil Corporation
 Tijerilla B-2A
 Blanco mesa verde Field
 Rio Arriba Co. New Mexico
 9-16-77

(Loc.) O 19, T-26-N, R-3-W

FORNARD, DATED: 10-1-77

$P_c =$
 648
 $P_c^2 - P_w^2$
 609

$P_c^2 - P_w^2$

