

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 2-23-77	
Company Mobil Oil Corporation				Connection			
Pool Blanco Mesa Verde				Formation Mesa Verde		Unit	
Completion Date 1-27-77		Total Depth 6275		Plug Back TD 6264		Elevation 7203	
Farm or Lease Name Jicarilla "F"				Well No. 5-A			
Cas. Size 4 1/2	Wt. 10.5	d 4.052	Set At 6275	Perforations: From 5702 To 6214		Unit Sec. Twp. Rge. C 23 27-N 3-W	
Tbg. Size 2-3/8	Wt. 4.7	d 1.995	Set At 5690	Perforations: From ----- To -----			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		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	H	Gg 0.68	% CO ₂ --	% N ₂ --	% H ₂ S --	Prover 2"	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	
1.	2" X 0.75"						1170	50°	1175	50°	7 day S.I.
2.							472	62°	800	50°	3 hrs.
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		317.2	0.9981	1.213	1.036	4920
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.474	522	1.356	.932	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ 669 P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ 385 _____ R _____ R

$P_c = 1182.2 P_c^2 = 1397.5$				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.89$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.614$	
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²			
1		812.2	659.7				
2							
3							
4							
5							

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7,941$			
Absolute Open Flow _____ 7,941 _____ Mcfd @ 15.025		Angle of Slope @ _____ 53.1 _____	
		Slope, n _____ 0.75 _____	

Remarks: _____			
Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	G. L. Tumlinson	G. L. Tumlinson	W. L. Riley

Jicarilla F-5A
 Blanco Mesa Verde
 Rio Arriba, New Mexico

