

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 11/15/77	
Company Mobil Oil Corporation				Connection None			
Pool Blanco mesa Verde				Formation mesa verde		Unit P	
Completion Date 10/10/77		Total Depth 6260'		Plug Back TD 16209'		Elevation 7148' GR	
Csg. Size 4 1/2"		ID 10.514"		Set At 6260'		Perforations From 5662' To 6076'	
Tub. Size 2 3/8"		ID 5607'		Set At 5607'		Perforations From - To -	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 5607'		Form or Lease Name Jicarilla F	
Producing Thru Tby		Reservoir Temp. °F 154 @ 6000		Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.2	
L 5869		H 5869		G _g .6903		% CO ₂ .75	
				% N ₂ .49		% 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"				1053	57°	Packer	-	173 1/2 hrs
1.	"	"		225	-	69°	342	60°	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 F _g	Super Compress. Factor F _{sp}	Rate of Flow O, Mfd
1	12.365	-	237.2	.9915	.932	1.025	2,778
2							
3							
4							
5							

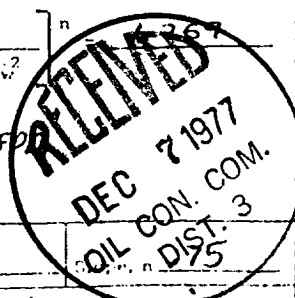
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	.353	529°	1.367	.953	86.8	
2					65° API @ 60° F	
3					Specific Gravity Separator Gas .6903	XXXXXXXXXX
4					Specific Gravity Flowing Fluid XXXXX	
5					Critical Pressure 67' P.S.I.A.	P.S.I.A.
					Critical Temperature 397 °R	°R

NO.	P _t	P _w	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	125.46		308.82	825.83	1.374	
2						
3						
4						
5						

Absolute Open Flow 3,525 Mcf @ 15.025 Angle of Slope 53.1°

Remarks: _____

Approved By Commission: _____ Conducted By: R.A. George / C.D. Wilson Calculated By: C.D. Wilson / R.A. George



2 A Morris

11-21-77

MOBIL OIL CORP.
 POOL: BLANCO MESA VERDE
 FORMATION: MESA VERDE
 LEASE: JICARILLA F. WELL NO. 4A
 COUNTY: RIO ARriba
 STATE: NEW MEXICO

DATE OF TEST: 11-15-77

