

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

Form C-112
Revised 9-1-65

RECEIVED
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OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6-15-82	
Company MOBIL PRODUCING TEXAS AND NEW MEXICO, INC.						Connection NORTHWEST PIPELINE	
Pool BLANCO MESA VERDE						Formation MESA VERDE	
Completion Date 6-4-82		Total Depth 6150		Plug Back TD 6113		Elevation 7081 7074 GL	
Csg. Size 5 1/2		Wt. 15.5		Set At 4.950		Perforations: From 5540 To 6070	
Tbg. Size 2 3/8		Wt. 4.7		Set At 1.995		Perforations: From 5564 To 5570	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE						Packer Set At 5528	
Producing Thru TUBING		Reservoir Temp. °F 154°		Mean Annual Temp. °F 6000		Baro. Press. - P _a 50°F 12.2	
L 5805		H 5804		G _g 0.6943		% CO ₂ .494	
				% N ₂ .277		% H ₂ S —	
				Prover 0.75		Meter Run 2'	
						Taps —	
FLOW DATA							
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
SI	2" X 0.75"						172 HR
1.				272		72	3 HR
2.							
3.							
4.							
5.							
TUBING DATA							
NO.	Press. p.s.i.g.	Temp. °F					
	1672	—					
CASING DATA							
NO.	Press. p.s.i.g.	Temp. °F					
	—	—					
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 _{pv}	Rate of Flow Q, Mcfd
1	12.3650		284.2	.9887	.9296	1.032	3333
2.							
3.							
4.							
5.							
NO.	R	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio 208.31 Mcf/bbl.		
1.	.2985	570.5	1.4628	0.966	A.P.I. Gravity of Liquid Hydrocarbons 71.4 @ 60°F Deg.		
2.					Specific Gravity Separator Gas 0.6943 XXXXXXXXXX		
3.					Specific Gravity Flowing Fluid XXXXX		
4.					Critical Pressure 671 P.S.I.A. P.S.I.A.		
5.					Critical Temperature 390 R R		
P _c 1684.2 P _c ² 2836.53					(1) $\frac{P_c^2}{P_e^2 - R_w^2} = 1.1718$		
NO.	P _i ²	P _w	P _e ²	P _e ² - R _w ²	(2) $\left[\frac{P_e^2}{P_e^2 - R_w^2} \right]^n = 1.1263$		
1	142.28	644.89	415.89	2420.64	AOF = Q $\left[\frac{P_e^2}{P_e^2 - R_w^2} \right]^n = 3754$		
2							
3							
4							
5							
Absolute Open Flow 3754 Mcfd @ 15.025					Angle of Slope 53.13		Slope, n 0.75
Remarks: PRODUCED 2 BBLS CONDENSATE + 2 BBLS WATER DURING 3 HR TEST							
Approved By Commission:		Conducted By: D. R. WERLEY		Calculated By: M. L. MORRIS		Checked By: N. J. H.	