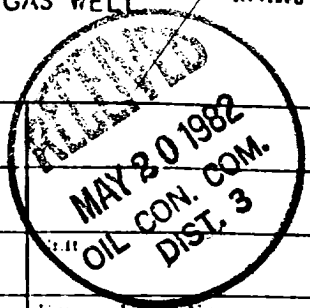


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-81



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 5-4-82			
Company MOBIL PRODUCING TEXAS & NEW MEXICO, INC.				Connection NORTHWEST PIPELINE			
Pool BLANCO MESA VERDE				Formation MESA VERDE			
Completion Date 5-4-82		Total Length 6100		Plug Back To 6060		Elevation 7012'	
Turn or Lease Name JICARILLA "E"				Well No. 6			
Csg. Size 5 1/2"	Wt. 15.5 #	a 4.950	Set At 6100	Perforations: From 5508 To 5765		Unit D	
Tub. Size 2 3/8"	Wt. 4.7 #	d 1.995	Set At 5805	Perforations: From 5769 To 5775		Sec. 13	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE		Twp. 27N	
Producing Thru TUBING		Reservoir Temp. °F 154° 6000		Mean Annual Temp. °F 50°F		County RIO ARriba	
Baro. Press. - P _a 12.2		State NEW MEXICO		Prover 0.75"		Meter Run 2"	
L 5805	H 5805	G _g .6943	% CO ₂ .494	% N ₂ .277	% H ₂ S -	Temp. -	

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"	214	-	76	1649	-	1651	-	172.5 HR
2.							332	-	881	-	3 HR
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcd
1	12.3650	-	226.2	.9924	.9298	1.0238	2642
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/ubl.
1.	3371	-	1.3779	.9541	528.4	
2.					A.P.I. Gravity of Liquid Hydrocarbons 65.4 @ 60°F	Deq.
3.					Specific Gravity Separator Gas .6943	XXXXXXX
4.					Specific Gravity Flowing Fluid XXXXX	
5.					Critical Pressure 671 P.S.I.A.	P.S.I.A.
					Critical Temperature 389 R	R

NO.	P _c	P _w	P _c ²	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	1661.2	893.2	2759.6	797.81	1961.79	1.4067	1.2917
2.							
3.							
4.							
5.							

Absolute Open Flow <u>3413</u> Mcd @ 15.025 Angle of Slope @ <u>53.13</u> Slope, n <u>0.75</u>			
Remarks: <u>PRODUCED 5 BBLS. CONDENSATE + 6 BBLS WTR. DURING 3 HR. TEST</u>			
Approved By Commission:	Conducted By: K. N. TONES	Calculated By: J. ROUBEL	Checked By: DA morie