

N MEXICO OIL CONSERVATION COMMS N
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Copy 65F
Form C-122-12.2
Revised 9-1-65

RECEIVED

Type Test ☐ Initial ☐ Annual ☒ Special				Test Date 2-5-76		FEB 10 1976	
Company MOBIL OIL CORPORATION				Connection LLANO INCORPORATED		O.C.C.	
Pool SOUTH CARLSBAD				Formation MORROW		Unit ARTESIA, OFFICE	
Completion Date 10-7-75 (TREE INSTL)		Total Depth 12,250		Plug Back TD 12,204		Elevation 3174 GL	
Farm or Lease Name STATE "SS"		Well No. 2		Perforations: From 11658 To 12,092			
Csg. Size 5 1/2"	Wt. 17.0	d 4.892	Set At 12250	Perforations: From OE To		Unit Sec. Twp. Rge. K 20 23S 2TE	
Tub. Size 2 3/8"	Wt. 4.7	d 1.995	Set At 11,630	From		County EDDY	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 11,630		State NEW MEXICO	
Producing Thru TUBING		Reservoir Temp. °F 184 @ 12,250		Mean Annual Temp. °F 60°		Baro. Press. - P _a 13.2	
L 11,630	H 11,630	G _g 0.60	% CO ₂ -	% N ₂ -	% H ₂ S -	Prover -	Meter Run 3"
						Taps FLANGE	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	3	X	.500	370	51	75	799	60	-	-	24
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 _{pv}	Rate of Flow Q, Mcfd
1.	1.184	139.797	383.2	.9859	1.291	1.030	217
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.5711	535	1.5028	.942	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure 671 P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature 358° R _____ R

NO.	P _t 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.						
2.						
3.						
4.						
5.						

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n _____	
Remarks: 24 HOUR STABILIZED FLOW IS SUBMITTED IN LIEU OF A 4-POINT TEST. NO LIQUID HYDROCARBONS PRODUCED.							
Approved By Commission:		Conducted By: MW BRINKMEYER		Calculated By: MW BRINKMEYER		Checked By: J.C. Gordon, Jr.	