

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

Form C-122
Revised 9-1-

RECEIVED

*Copy to 515
C-122*

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-6-73		SEP 24 1973	
Company MOBIL OIL CORP				Connection —		O. C. C.	
Pool S. CARLSBAD Atoka SOUTH				Formation ATOKA		Unit ARTESIA, OFFICE 300	
Completion Date 8-24-73		Total Depth 12,113'		Plug Back To 12,070'		Elevation 31786.2	
Casing Size 7"		Casing Wt. 26 #/ft		Casing Set At 12,113'		Perforations: From 10824 To 10831	
Tubing Size 2 3/8"		Tubing Wt. 4.7 #/ft		Tubing Set At 10752'		Perforations: From To	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple DUAL				Packer Set At 10742'		County EDDY	
Producing Thru TUBING		Reservoir Temp. °F 188 @ 10831		Mean Annual Temp. °F 60°		Baro. Press. - P _g 13.2	
L 10,752		H 10827		G _g 0.6162		% CO ₂ 2.82	
				% N ₂ 0.51		% H ₂ S 0	
				Prover 4"		Motor Run FLANGE	

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.	
1.										
2.										
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, Mcfd
1.							
2.							
3.							
4.							
5.							

NO.	R _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A. P.S.I.A.
5.					Critical Temperature	R R

NO.	P ₁ ²	P _w ²	P _u ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{R^2 - P_w^2} =$	(2) $\left[\frac{R^2}{R^2 - P_w^2} \right]^n =$
1.						
2.						
3.						
4.						
5.						

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n _____	
--	--	--	--	------------------------	--	----------------	--

Remarks: **UNABLE TO TEST BY FOUR-POINT DUE TO WEAKNESS OF WELL. WELL DECLINED FROM 600 Mcfd to 300 Mcfd WHILE FLOWING FOUR (4) HOURS.**

Approved By Commission:	Conducted By: J.C. GORDON, JR. AR. ALAMEDONE W.H. BRADFELD	Calculated By:	Checked By:
-------------------------	--	----------------	-------------

*called
9-28-73*