

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

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 8-15-74	
Company MOBIL OIL CORPORATION			Connection LLANO INC.		
Pool SOUTH CARLSBAD			Formation MORROW		Unit 320
Completion Date 2-24-74		Total Depth 12,005'	Plug Back TD 11941'	Elevation 3237 G.L.	Farm or Lease Name FED. RR COMM
Csg. Size 7"	Wt. 26 1/4"	d 6.276"	Set At 11,997'	Perforations: From 11,512' To 11,875'	
Tbg. Size 2 3/8"	Wt. 4.7 1/4"	d 1.995"	Set At 11,478'	Perforations: From _____ To _____	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 11,460'	County EDDY
Producing Thru TUBING		Reservoir Temp. °F 180° @ 12,005'	Mean Annual Temp. °F 60°	Baro. Press. - P _a 13.2"	State NEW MEXICO
L 11,478'	H 11,512'	G _g 0.5942	% CO ₂ 1.853	% N ₂ 0.828	% H ₂ S
Prover			Meter Run 4"		Taps FLANGES

NO.	FLOW DATA			TUBING DATA		CASING DATA		Duration of Flow	
	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	3 x 1			300	52	60°	350	60°	2 1/2 HRS.
2.									
3.									
4.									
5.									

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
2.							
3.							
4.							
5.							

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NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas 0.5942
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure 679 P.S.I.A.
5.					Critical Temperature 348 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.						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____

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

Remarks: WELL HAS INSUFFICIENT CAPACITY TO 4 POINT AS TUBING PRESSURE IS LOWER THAN THE LINE PRESSURE. WELL IS ON COMP.

Approved By Commission: _____ Conducted By: A.R. ALAMEDDINE Calculated By: A.R. ALAMEDDINE Checked By: A.R. ALAMEDDINE