

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12-4-78		DEC 11 1978	
Company Aminoil U.S.A. Inc.				Connection El Paso		O. C. C. ARTERIA, OFFICE	
Pool Wildcat Mataga Atoka				Formation Atoka		Unit 1	
Completion Date 12-4-78		Total Depth 12,835		Plug Back To 11,978'		Elevation 2996 G.L.	
Form or Lease Name C.N.B. Com.		Well No. 1		Unit L		Sec. Twp. Range 11 24-s 28-E	
Coq. Size 5 1/2		Wt. 18#		Set At 12,835		Perforations: From 11,720 To 11,728	
Trq. Size 2.875		Wt. 6.4		Set At 11,422		Perforations: From Open To End	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single				Packer Set At 11,422		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 13.2	
L 11,720		H 8'		Gg .680		% CO ₂ % N ₂ % H ₂ S Prover	
						Meter Run 4"	
						Type Flange	

FLOW DATA L-10 chart						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.	4.026		1.500	5.5	1.8	70	4636	60	Packer		24hrs.
2.	"		"	5.5	2.6	76	4240	62			1hr.
3.	"		"	5.5	3.4	78	4025	66			1 hr.
4.	"		"	5.6	4.2	84	3690	70			1 hr.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mhd
1	10.84		4649.2	.9905	1.213	1.033	421
2	"	L-10 Chart	4253.2	.9850	1.213	1.031	603
3	"		4038.2	.9831	"	1.030	787
4	"		3703.2	.9777	"	1.029	983
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Dry Gas	Mcf/Cbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Dry	Deg.
2.					Specific Gravity Separator Gas	.680	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X	
4.					Critical Pressure	P.S.I.A.	P.S.I.A.
5.					Critical Temperature	R	R

P _r 4858.2	P _r ² 23,602	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 2.3869$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.085$
NO.	P _w	P _w ²	P _r ² - P _w ²
1	4649.2	21615	1987
2	4253.2	18090	5512
3	4038.2	16307	7295
4	3703.2	13714	9888
5			

Absolute Open Flow 2050		Mhd @ 14.025	Angle of Slope α 49.5	Close, n .8446
Remarks:				
Approved By: _____ Conducted By: _____ Calculated By: _____ Checked By: _____				