

Well File
RECEIVED

☒ Initial ☐ Annual ☐ Special		Test Date 8-30-73		SEP 20 1973			
Company Dorchester Exploration			Connection None		D. C. C.		
Well Wildest			Formation Wolfcamp		Unit ARTESIA, OFFSHORE		
Completion Date 8-30-73		Total Depth 11,400		Plug Back TD 9,250		Elevation 	
Farm or Lease Name DMU #2882/		Well No. 		Unit 2		Sec. 35	
Casing Size 11.6		Set At 9,300		Perforations From 9053 To 9128		Twp. 19-S	
Casing Size 2 3/8		Set At 8980		Perforations From open To End		Range 288	
Type Well - Single - (Artesian) - G.C. or G.O. Multiple Single				Packer Set At 8980		County Brewer	
Producing Thru Tbg.		Reservoir Temp. °F 170 @ 9080		Mean Annual Temp. °F 60°		State New Mexico	
L 8980		H 8980		G ₂ .670		Meter Run 41	
% CO ₂ 		% N ₂ 		% H ₂ S 		Prover 	

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.	1"	x	1.500	825	3.55	68	2737	74			1 hr.
2.	1"	x	1.500	830	29.00	76	2467	76			1 hr.
3.	1"	x	1.500	830	51.00	68	2240	76			1 hr.
4.	1"	x	1.500	890	82.00	70	1945	78			1 hr.

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 _{sp}	Rate of Flow Q, Mgd
1.	10.84	54.55	838.2	.9924	1.222	1.088	780
2.	10.84	156.37	843.2	.9850	1.222	1.089	2,222
3.	10.84	207.37	843.2	.9924	1.222	1.089	2,869
4.	10.84	272.14	903.2	.9905	1.222	1.095	3,910

NO.	P _r	Temp. °F	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	1.25	523	1.38	.845	6.074	58.5 @ 60°	.670	X X X X X	669	382
2.	1.26	536	1.40	.844				X X X X X		
3.	1.26	526	1.38	.844						
4.	1.35	530	1.39	.834						

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1.	2865.2	7878.7	8209.2	6206.3	2002.9
2.	2554.8	6324.2	6526.2	4000.0	2526.2
3.	2325.0	5359.2	5406.0	2874.0	2532.0
4.	2065.0	4264.2	4264.2	1764.0	2500.2

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.942$

ACF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 7.592$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.942$

Absolute Open Flow 7.592 Mgd @ 15.025		Angle of Slope @ 45		Slope, n 1.000	
Remarks: Made 60.00 Bbls. condensate during test.					
Approved by Commission:		Conducted By:		Calculated By:	
J. C. Roberts		J. B. Murray		Checked By:	