

Form C-122
Revised 9-1-65

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		10-25-79	
Company				Connection							
Odessa Natural Corporation				Waiting on Pipeline							
Pool				Formation				Unit			
Basin Dakota				Dakota							
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
10-4-79		6329'		6268'		6391' K.B.		Burroughs State			
Csg. Size		Wt.		Set At		Perforations:		Well No.			
4.50		10.50		6328'		From 6108' To 6212'		1-E			
Tbg. Size		Wt.		Set At		Perforations:		Unit Sec. Twp. Rge.			
2.375		4.70		1.995		6126'		K 36 -26N- 11W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County			
Single						None		San Juan			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
Tubing		140 @ 6329'		60		12.0		New Mexico			
L		H		Gg		% CO ₂		% N ₂		% H ₂ S	
6126		6126		0.600		-----		-----		-----	
Prover		Meter Run		Taps							
2"-1 1/4"		-----		-----							

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
SI							1,475		1,240		8 Da.
1.	2" orifice - 1 1/4"						1,120		1,310		3 hrs.
2.	well tester										
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	orifice well tester-1 1/4"		48 psia.	1.0000	1.0000	1.0000	1,836
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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.										
2.										
3.										
4.										
5.										

P _c 148T P _c ² 2,211,169				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.7707$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.2280$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1		1322	1,767,684	463,485			
2							
3							
4							
5							

Absolute Open Flow 5,926 Mcfd @ 15.025				Angle of Slope @		Slope, n 0.75	
Remarks: Tested through production unit. Separator Pressures 400 psig							

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Dewayne Blancett	Ewell N. Walsh	