

**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 12-28-76										
Company Odessa Natural Corporation					Connection Waiting on Pipeline										
Pool Undesignated Fruitland				Formation Fruitland			Unit								
Completion Date 12-16-76		Total Depth 6275'		Plug Back TD 1369'		Elevation 5746 DF		Farm or Lease Name Little Federal							
Csg. Size 4 1/2	Wt. 1050 & 1350	d 4.052	Set At 1406	Perforations: From 1171' To 1194'			Well No. 1								
Tbg. Size NONE	Wt.	d	Set At	Perforations: From To			Unit K	Sec. 1-	Twp. 30N	Rge. -14W					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At NONE		County San Juan								
Producing Thru casing		Reservoir Temp. °F --- @ ---		Mean Annual Temp. °F ---		Baro. Press. - P <sub>g</sub> 12.0		State New Mexico							
L 1171	H 1171	G <sub>g</sub> 0.60	% CO <sub>2</sub> ---	% N <sub>2</sub> ---	% H <sub>2</sub> S ---	Prover ---	Meter Run ---	Taps ---							
FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow				
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F					
SI									419		7 days				
1.	3/4" T.H.C.								12		3 hrs.				
2.															
3.															
4.															
5.															
RATE OF FLOW CALCULATIONS															
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd								
1	12.3650		24	1.0000	1.0000	1.0000	297								
2.															
3.															
4.															
5.															
NO.	P <sub>t</sub>	Temp. °R	T <sub>t</sub>	Z	Gas Liquid Hydrocarbon Ratio		Mcf/bbl.								
1.					A.P.I. Gravity of Liquid Hydrocarbons		Deg.								
2.					Specific Gravity Separator Gas		XXXXXXXXXX								
3.					Specific Gravity Flowing Fluid		XXXXXX								
4.					Critical Pressure P.S.I.A.		P.S.I.A.								
5.					Critical Temperature R		R								
$P_c = 431$ $P_c^2 = 185,761$															
NO.	$P_t^2$	$P_w$	$P_w^2$	$P_c^2 - P_w^2$	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{185,761}{185,761}$		(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0000$								
1		-0-	-0-	185761											
2															
3															
4															
5															
$AOF = Q \left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 297$															
Absolute Open Flow					297		Mcf @ 15.025		Angle of Slope @		Slope, n 0.85				
Remarks:															
Approved By Commission:				Conducted By: Tefteller, Inc.				Calculated By: Ewell N. Walsh				Checked By:			