

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 2-16-77			
Company Odessa Natural Corp.				Connection Waiting on Pipeline				
Pool Basin Dakota				Formation Dakota				Unit
Completion Date 2-4-77		Total Depth 6556		Plug Back TD 6522		Elevation 5889 KB		Farm or Lease Name Little Federal
Csq. Size 4.500	Wt. 10.50	d 4.052	Set At 6549	Perforations: From 6308 To 6494			Well No. 2	
Thg. Size 2.375	Wt. 4.70	d 1.995	Set At 6378	Perforations: From Open To Ended			Unit Sec. Twp. Rge. C 1 30N 14W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 152 @ 6556		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico
L 6378	H 6378	Gg 0.650	% CO ₂ --	% N ₂ --	% H ₂ 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
Sl							2137		2100		7 da
1.	3/4" THC						240	60	895		3 hrs
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		252	1.0000	0.9608	1.0000	2,994
2.							
3.							
4.							
5.							

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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 2149	P _c ² 4,618,201	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.2167}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.1585}$
NO.	P _t ²	P _w	P _w ²
1		907	822,649
2			
3			
4			
5			

Absolute Open Flow 3,469 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.75
Remarks: _____			
Approved By Commission:		Conducted By: Lon Cunningham	Calculated By: Ewell N. Walsh