

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 7-14-78			
Company Odessa Natural Corp.				Connection Waiting on pipeline					
Pool Ballard P.C.				Formation Pictured Cliffs				Unit	
Completion Date 6-30-78		Total Depth 3194'		Plug Back TD 3143'		Elevation 7169'KB		Farm or Lease Name Vicarilla Joint Venture PC Joint	
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 3181'	Perforations: From 2984' To 3020'		Well No. 103			
Thg. Size 1.660	Wt. 2.40	d 1.380	Set At 2987'	Perforations: From open To Ended		Unit B 10 23N 3W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 110 @ 3194'		Mean Annual Temp. °F 60		Baro. Press. - P _a 12.0		State New Mexico	
L 2987	H 2987	Gg 0.600	% 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	
SI							950		950		8 hr.
1.	3/4" T.H.C.						125	60	750		3 hr.
2.											
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	12.3650		137	1.0000	1.0000	1.0000	1.694
2.							
3.							
4.							
5.							

NO.	P _i	Temp. °R	T _r	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 962	P _c ² 925,444		
NO.	P _i ²	P _w	P _w ²
1		762	580,644
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.6840$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.921$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.8145$

Absolute Open Flow 3,921 Mcfd @ 15.025		Angle of Slope θ 0.85	
Remarks:			

Approved By Commission:	Conducted By: Roger McCown	Calculated By: Ewell N. Walsh	Checked By:
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