

Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator ORVX ENERGY						Lease or Unit Name BOGLE FLATS					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4/28/96		Well No. 13			
Completion Date 4/11/96		Total Depth 7097		Plug Back TD none		Elevation		Unit Ltr. - Sec. - TWP - Rge. A 17-22-23			
Csg. Size 7	WL 23#	d 6.366	Sci At 6957	Perforations: open hole		From: 6957 To: 7097		County EDDY			
Tbg. Size 3 1/2	WL 9.3	d 2.992	Sci At 7870	Perforations:		From: To:		Pool Indian			
Type Well - Single - Bradenhead - G.G. or L.O. Multiple single						Packer Set At 7870		Formation UPPER PENN			
Producing Thru TBG		Reservoir Temp. °F 129		Mean Annual Temp. °F 60		Baro. Press. P _a 13.2		Connection SALES			
L 6957	II 6957	Gg .657	% CO ₂	% N ₂	% H ₂ S	Prover -0-		Meter Run 4.026		Taps FLG.	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	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						668.2				
1.										
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$h_w P_m$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							3110
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					N/A	
2.					N/A	
3.					.657	XXXXXXXXXX
4.					N/A	XXXXXX
5.					670	P.S.I.A.
					375	P.S.I.A.

NO.	P _i ²	P _w	P _w ²	P _i ² - P _w ²
1.	74.6	278.8	77.7	368.7
2.				
3.				
4.				
5.				

1) $\frac{P_i^2}{P_o^2 - P_w^2} = 1.211$

2) $\left[\frac{P_o^2}{P_o^2 - P_w^2} \right]^2 = 1.211$

AOF = Q $\left[\frac{P_o^2}{P_o^2 - P_w^2} \right]^2 = 3.766$

3.766

Absolute Open Flow 3.766 Mcfd @ 15.025	Angle of Slope θ 45°	Slope, n 1.000
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Remarks:

Approved By Division	Conducted By: PRO WELL TESTER	Calculated By: MB	Checked By: BM
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