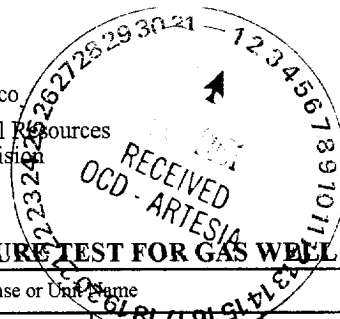


Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999



CLSF

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator RICKS EXPLORATION					Lease or Unit Name E.S.D.U.				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9/17/01		Well No. 23		
Completion Date 8/6/01		Total Depth 10950'		Plug Back TD 10815'		Elevation 3657'		Unit Ltr - Sec - TWP - Rge D Sec 1-18S-28E	
Csg. Size 4 1/2"	Wt. 11.6#	d	Set At 10950'	Perforations: From: 10718 To: 10737			County Eddy		
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 10610	Perforations: From: To:			Pool Empire Morrow South		
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10610			Formation Morrow		
Producing Thru TUBING		Reservoir Temp. °F 180.1		Mean Annual Temp. °F 60		Baro. Press.-P _a 13.2		Connection SALES	
L 10610	H 10610	Gg 0.653	%CO ₂ 6.291	%N ₂ 0.848	%H ₂ S N/A	Prover N/A	Meter Run 3.068	Taps FLG	

FLOW DATA				TUBING DATA				CASING DATA				Duration of Flow
No.	Prover Line Size	Orifice x 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						800	N/A	PKR	N/A			
1	3.068	X .750	20	50	66	150					24 HRS	
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 F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1							560
2							
3	TOTAL	FLOW	METER				
4							
5							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	NO LIQUID	Mcf bbl.
1					A.P. I. Gravity of Liquid Hydrocarbons	N/A	Deg.
2					Specific Gravity Separator Gas	0.653	XXXXXXX
3	TOTAL	FLOW			Specific Gravity Flowing Fluid	XXXXX	
4					Critical Pressure	694	P.S.I.A.
5					Critical Temperature	361	R.

P _c	813.2	P _{c2}	661.3
No.	P _t ²	P _w	P _w ²
1	26.6	196.9	38.8
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.062$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.062$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 595$

Absolute Open Flow	595	Mcf @ 15.025	Angle of Slope (°)	45	Slope n:	1
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Remarks: *** NO LIQUID MADE DURING TEST.**

Approved By Division: Operator	Conducted By: PRO WELL TESTING	Calculated By: MERV BUECKER	Checked By: BM
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