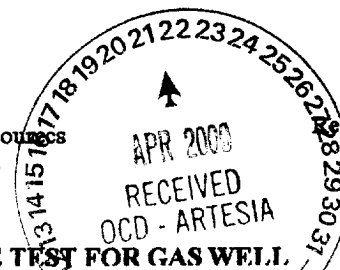


Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator E G L RESOURCES						Lease or Unit Name BALDRIDGE FED.					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4/13/00		Well No. 1			
Completion Date		Total Depth 11,140		Plug Back TD 11,090		Elevation		Unit Ltr - Sec - TWP - Rge 14-24S-24E			
Csg. Size 4 1/2	Wt. 11.6	d	Set At 11,140	Perforations: From: 9824 To: 9838		County EDDY					
Tbg. Size 2 3/8	Wt. 4.7#	d	Set At 9749	Perforations: From: To:		Pool					
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE						Packer Set At 9749		Formation STAWN			
Producing Thru tubing		Reservoir Temp. °F 161.7		Mean Annual Temp. °F 60		Baro. Press.-P _a 13.2		Connection SALES			
L 9749	H 9749	Gg 0.598	%CO ₂ 0.426	%N ₂ 0.533	%H ₂ S n/a	Prover n/a	Meter Run	Taps flg			
FLOW DATA						TUBING DATA			CASING DATA		
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	Duration of Flow	
SI						2220	N/A	pkc	n/a	72 HRS.	
1	4.026 x 1.500		479	4.1	96	2100				60 min	
2	4.026 x 1.500		493	9.7	95	2000				60 min	
3	4.026 x 1.500		520	19.1	82	1820				60 min	
4	4.026 x 1.500		542	37	80	1480				60 min	
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								648			
2	GAS VOLUMES		MEASURED	BY	TOTAL	FLOW	METER	994			
3								1.452			
4								2.08			
5											
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio				N/A Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons				N/A Deg.		
2					Specific Gravity Separator Gas				0.598 xxxxxxxx		
3	TOTAL	FLOW			Specific Gravity Flowing Fluid				N/A xxxxxx		
4					Critical Pressure				674 P.S.I.A. P.S.I.A.		
5					Critical Temperature				354 R R		
P _c 2276.6 P _{c2} 5182.9											
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.83$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.59$						
1		2133.7	4552.7	630.2	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3307.2$						
2		2022.1	4088.9	1094							
3		1833.3	3361	1821.9							
4		1536.7	2361.4	2821.5							
5											
Absolute Open Flow 3307.2					Mcf/d @ 15.025		Angle of Slope (°): 52.15		Slope n: 0.7769		
Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURE											
Approved By Division:			Conducted By: PRO WELL TESTING			Calculated By: MB			Checked By: BM		