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

APR 2000
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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: 1.995	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	H	Gg	%CO_2	%N_2	%H_2S	Prover	Meter Run	Taps
9749	9749	0.598	0.426	0.533	n/a	n/a		flg

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI					2220	N/A	pkr	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
1				
2				
3	TOTAL	FLOW		
4				
5				

Gas Liquid Hydrocarbon Ratio: N/A Mcf/bbl.
A.P. I. Gravity of Liquid Hydrocarbons: N/A Deg.
Specific Gravity Separator Gas: 0.598 XXXXXXX
Specific Gravity Flowing Fluid: N/A XXXXX
Critical Pressure: 674 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 354 R. ____ R

P_c 2276.6 P_c^2 5182.9

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		2133.7	4552.7	630.2
2		2022.1	4088.9	1094
3		1833.3	3361	1821.9
4		1536.7	2361.4	2821.5
5				

(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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 3307.2

Absolute Open Flow: 3307.2 Mcfd @ 15.025 | Angle of Slope (): 52.15 | Slope n: 0.7769

Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURE

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