

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-122
Revised October, 1999

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87504

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator E.O.G. Resources, Inc.					Lease or Unit Name Red Tank 24 Fed Com				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-8-01		Well No. 1		
Completion Date		Total Depth 15100		Plug Back TD 14908		Elevation		Unit Ltr. - Sec. - TWP - Rge. C 24-22-32	
Csg. Size 5	Wt. 18/20	d 2.441	Set At 15100	Perforations: From: 14882 To: 14534			County Lea		
Thg. Size 2 7/8-3 1/2	Wt. 6.5	d 2.992	Set At 11811	Perforations: From: To:			Pool Bootleg Ridge		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 11811		Formation Morrow			
Producing Thru Tbg		Reservoir Temp. °F		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2		Connection	
1. 11811	2. 11811	Gg. .580	%CO ₂ .631	%N ₂ .902	%H ₂ S	Prover	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						5714		Pkr		48 HRS
1.			763			854		Pkr		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.							32,306
2.	Metered by Total Flow						
3.							
4.							
5.							

No.	P _i	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					2936.9	
2.		N/A			51.2 @ 60	Deg.
3.					.580	XXXXXXX
4.					XXXXX	G Mix = .581
5.					669 P.S.I.A.	385 R

No.	P _i	P _w	P _w ³	P _e ³ - P _w ³	(1) $\frac{P_{e2}}{P_e^3 - P_w^3} =$	(2) $\left[\frac{P_e^3}{P_e^3 - P_w^3} \right]^n =$
1.	5727.2	32801.0	6034.8	26766.2	1.225	1.225
2.		2456.6				
3.						
4.						
5.						

Absolute Open Flow 39,575		Mcf/d @ 15.025	Angle of Slope θ: 45	Slope, n: 1.000
Remarks:				
Approved By Division	Conducted By: Signal Wireline	Calculated By: BM	Checked By: BM	