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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
2040 South Pacheco
Santa Fe, NM 87505

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: E.O.G. Resources, Inc.				Lease or Unit Name: Tristie Draw 34 St. Com.			
Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 4-7-00		Well No.: 3	
Completion Date: 3-17-00		Total Depth: 13,900'		Plug Back TD: 13,710'		Elevation: 3,477' gl	
Csg. Size: 2 7/8"		Wt. 6.5#		D: 2.441'		Set At	
Thg. Size: N/A		Wt. N/A		D: N/A		Set At: N/A	
Perforations: From: 13,771' To: 13,524'				County: Lea, NM			
Perforations: From: N/A To: N/A				Pool			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: N/A		Formation: Wolfcamp	
Producing Thru Csg.		Reservoir Temp. °F: 190.5 @ 13,771'		Mean Annual Temp. °F: 60		Baro. Press - P _a : 13.2	
L: 13,771'		H: 13,771'		Gg: .645		%CO ₂ : .772	
				%N ₂ : .146		%H ₂ S:	
				Prover:		Meter Run: 4.026	
						Taps: FLG	

FLOW DATA							TUBING DATA		CASING DATA		Duration Of Flow
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	
SI							N/A		2800		72 + Hrs
1.	4"	x	2.000	242	0.8	80	N/A		2640		1 Hr.
2.	4"	x	2.000	245	2.5	87	N/A		2468		1 Hr.
3.	4"	x	2.000	251	4.6	88	N/A		2305		1 Hr.
4.	4"	x	2.000	261	7.6	87	N/A		2078		1 Hr.
5.											

RATE OF FLOW CALCULATIONS

No.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	19.81	14.29	255.2	.9813	1.245	1.023	354
2.	19.81	25.41	258.2	.9750	1.245	1.022	625
3.	19.81	34.86	264.2	.9741	1.245	1.023	857
4.	19.81	45.65	274.2	.9750	1.245	1.023	1,123
5.							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Dry Gas	Mcft/bbl.
1.	.38	540	1.45	.955	A. P. I. Gravity of Liquid Hydrocarbons	Dry	Deg.
2.	.38	547	1.47	.957	Specific Gravity Separator Gas	.645	XXXXXXXXXX
3.	.39	548	1.47	.956	Specific Gravity Flowing Fluid	XXXXXX	Gmix = N/A
4.	.40	547	1.47	.956	Critical Pressure	670	P.S.I.A. P.S.I.A.
5.					Critical Temperature	372	R. R.

No.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) P _{c2} = 2.246	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.955$
1.	193.2	2653.5	7041.2	872.9		
2.	N/A	2482.3	6161.6	1752.5		
3.	N/A	2320.3	5383.8	2530.3		
4.	N/A	2095.2	4389.7	3524.4		
5.						

Absolute Open Flow		2.185	Mcfd @ 15.025	Angle of Slope θ: 50.35	Slope, n: .8286
Remarks: No fluid produced					
Approved By Division		Conducted By: Production Testing Services, Inc.		Calculated By: Bob Murray, Independent Consultant	
				Checked By: Bob Murray, Independent Consultant	

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