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See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources

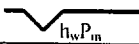
Form C-122
Revised October, 1999

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: Conoco 8 St. <i>C O M</i>				
Type Test: ☐ Initial ☐ Annual ☐ Special							Test Date: 11-01-99		Well No.: 1		
Completion Date: 10-02-99		Total Depth: 10,920'		Plug Back TD: 10,140'		Elevation: 3,611'		Unit Ltr. - Sec. - TWP - Rge. <i>J 8 17 24</i>			
Csg. Size: 3.5"	Wt. 12.9#	D2.750"	Set At 10,898'	Perforations: From: 9,569' To: 9,580'				County: Eddy, NM			
Thg. Size: N/A	Wt.	D	Set At	Perforations: From: To:				Pool: <i>E Red Lake W/Penn</i>			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single							Packer Set At: N/A		Formation: <i>W/Penn</i>		
Producing Thru Casing		Reservoir Temp. °F: 152.7 @ 9,569'		Mean Annual Temp. °F: 60		Baro. Press - P _a : 13.2		Connection: Sales			
L: 9,569'	H: 9,569'	Gg: .915	%CO ₂ :	%N ₂ :	%H ₂ S:	Prover:	Meter Run 4.026"	Taps: Fig.			

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	N/A	1132	N/A	24 Hrs.
1.	4"	x	1.250"	541	1.20	69	N/A	N/A	1100	N/A	1 Hr.
2.	4"	x	1.250"	550	32.80	81	N/A	N/A	1015	N/A	1 Hr.
3.	4"	x	1.250"	559	75.00	84	N/A	N/A	816	N/A	1 Hr.
4.	4"	x	1.250"	563	76.00	83	N/A	N/A	602	N/A	1 Hr.
5.											

RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	7.469	25.79	554.2	.9915	1.045	1.132	226
2.	7.469	135.92	563.2	.9804	1.045	1.134	1.179
3.	7.469	207.16	572.2	.9777	1.045	1.134	1.793
4.	7.469	209.26	576.2	.9786	1.045	1.138	1.819
5.							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Dry Gas	Mcf/bbl.
1.	.83	529	1.14	.781			
2.	.85	541	1.17	.778	A. P. I. Gravity of Liquid Hydrocarbons Dry		Deg.
3.	.86	544	1.18	.778	Specific Gravity Separator Gas .915		XXXXXXXXXX
4.	.87	543	1.17	.772	Specific Gravity Flowing Fluid XXXXXX		
5.					Critical Pressure 662 P.S.I.A.		P.S.I.A.
					Critical Temperature 461 R.		R

P _c	1478.2	P _c ²	2185.1
No.	P _i ²	P _w	P _w ²
1.		1113.3	1239.4
2.		1031.1	1063.5
3.		839.4	704.6
4.		631.7	399.0
5.			

(1) $P_2 = 2.161$ (2) $P_c^2 = 2.114$

$\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.790$

Absolute Open Flow	3,790 Mcfd @ 15.025	Angle of Slope θ: 45.83	Slope, n: .9716
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Remarks: No fluid produced during test

Approved By Division	Conducted By: Production Testing Services, Inc. 505-391-8703	Calculated By: Bob Murray, Independent Consultant 505-395-2349	Checked By: Bob Murray, Independent Consultant 505-395-2349
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