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 87505

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: Gruy Petroleulm Mgt. Company					Lease or Unit Name: Myers "B"		
Type Test: x Initial ☐ Annual ☐ Special					Test Date: 4-26-01	Well No.: 8	
Completion Date: 4-26-01	Total Depth: 3885		Plug Back TD: 3868		Elevation: 3369	Unit Ltr. - Sec. - TWP – Rge.: G S11 T24 R36	
Csg. Size: 5 ½	Wt.: 15.5	d	Set At: 3868	Perforations: From: 3136-56 To: 3356-3434		County: Lea	
Thg. Size: 2 3/8	Wt.: 4.7	D: 1.995	Set At: 3128	Perforations: From: open ended To:		Pool: Langlie Mattix	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: SINGLE				Packer Set At: None		Formation: Yates/7RV/Queen	
Producing Thru: Tubing	Reservoir Temp. °F: 108 @ 3434		Mean Annual Temp. °F: 60	Baro, Press - P_a: 13.2		Connection: Sid Richardson	

L	H	Gg	%CO_2	%N_2	%H_2S	Prover	Meter Run	Taps
3128	3128	.665	2.340	3.909			4.026	Flange

	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					442	73	442		
1.	4.026 X 1.250	8	77	98	155	75	348		60 MIN
2.	4.026 X 1.250	8	60.8	98	170	75	355		60 MIN
3.	4.026 X 1.250	8	36	95	198	74	360		60 MIN
4.	4.026 X 1.250	8	17.6	95	252	72	388		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 Fg.	Super Compress. Factor, F pv.	Rate of Flow Q, Mcfd
1.	7.469	40.40	21.2	.9653	1.226	Nil	357
2.	7.469	35.90	21.2	.9653	1.226	Nil	317
3.	7.469	27.63	21.2	.9860	1.226	Nil	249
4.	7.469	19.3	21.2	.9860	1.226	Nil	174
5.							

No.	P_r	Temp. °R	T_r	Z
1.	.03	558	1.48	Nil
2.	.03	558	1.48	Nil
3.	.03	555	1.47	Nil
4.	.03	555	1.47	Nil
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A. P. I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas .665 XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 670 P.S.I.A. P.S.I.A.
Critical Temperature 378 R. R

P_c 455 P_c^2 207

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.	28.3	361.2	130.3	76.9
2.	33.6	368.2	135.6	71.6
3.	44.5	373.2	139.3	67.9
4.	70.2	401.2	161.0	46.2
5.				

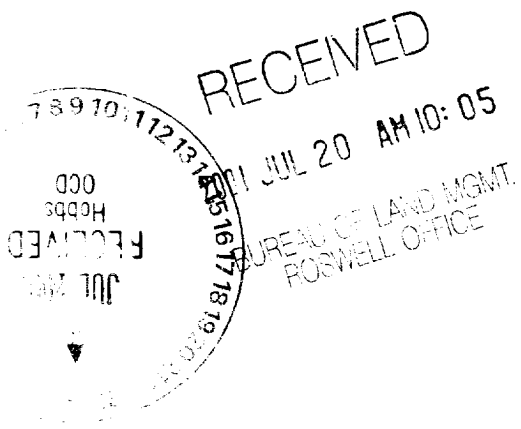
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.694$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.694$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right] = 961$

Absolute Open Flow 961 Mcfd@ 15.025 Angle of Slope θ: 45 Slope, n: 1.00

Remarks: High Rate was conducted first due to high fluid entry. Fluid made during each rate 3 bbls per hour.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Reggie Reston	Reggie Reston	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