

MARATHON OIL COMPANY

NOTE: Test Gas Rate is highest monthly test three (3) most recent tests as of 6/1/03

NOTE: Test Gas Rate is under assumption that well is vented to atmosphere with artificial lift still working. (Worst possible scenario)

Percentage over test buffer =

10%

Pasquill - Gifford

Surface Hole Location

API NUMBER	Well Name	H ₂ S (ppm)	Gas Rate (MSCFD)	Gas Rate (MSCFD) w/Buffer	100 ppm	500 ppm	Section	Township	Range	UL
30015262890000	BURTON FLAT FEDERAL 1	0	1	1	0	0	9	20S	29E	E
30015210680000	YATES FEDERAL 4	0	145	160	0	0	18	20S	29E	H
30015262550000	YATES FEDERAL 10	50,000	2	2	25	12	18	20S	29E	H
30015264740000	YATES FEDERAL 16	50,000	4	4	39	18	18	20S	29E	I
30015209260000	YATES FEDERAL COM 1	0	275	303	0	0	8	20S	29E	N
30025087320000	C J SAUNDERS NO 1	10,000	19	21	38	17	1	22S	36E	C
30025261260000	C J SAUNDERS NO 3	10,000	17	19	35	16	1	22S	36E	C
30025326920000	C J SAUNDERS NO 4	10,000	115	127	117	53	1	22S	36E	D
30025099270000	DAYTON HARDY NO 1	400	40	44	8	4	20	21S	37E	I
30025066880000	DAYTON HARDY NO 2	0	40	44	0	0	20	21S	37E	I
30025066890000	DAYTON HARDY NO 3	0	65	72	0	0	20	21S	37E	J
30025121240000	EDITH BUTLER A NO 1	2,000	10	11	9	4	18	22S	38E	L
30025102520000	EDITH BUTLER B NO 1	1,000	207	228	40	18	13	22S	37E	I
30025250740000	EDITH BUTLER B NO 2	1,000	72	79	21	9	13	22S	37E	J
30025104400000	J L MUNCY NO 1	1,000	108	119	27	12	24	22S	37E	P
30025104410000	J L MUNCY NO 2	0	49	54	0	0	24	22S	37E	K
30025104420000	J L MUNCY NO 3	1,000	32	35	12	6	24	22S	37E	N
30025222170000	J L MUNCY NO 4	1,000	51	56	17	8	24	22S	37E	H
30025253610000	J L MUNCY NO 5	0	117	129	0	0	24	22S	37E	P
30025292180000	J L MUNCY NO 6	0	85	94	0	0	24	22S	37E	I
30025292190000	J L MUNCY NO 7	0	56	62	0	0	24	22S	37E	G
30025339470000	J L MUNCY NO 11	0	165	182	0	0	24	22S	37E	G
30025065960000	L G WARLICK C NO 5	1,000	50	55	16	7	15	21S	37E	O
30025065970000	L G WARLICK C NO 6	1,000	30	33	12	5	15	21S	37E	J
30025065980000	L G WARLICK C NO 7	1,000	8	9	5	2	15	21S	37E	O
30025102130000	LOU WORTHAN NO 4	0	470	517	0	0	11	22S	37E	G
30025102140000	LOU WORTHAN NO 5	500	362	398	37	17	11	22S	37E	C
30025102180000	LOU WORTHAN NO 9	0	151	166	0	0	11	22S	37E	E
30025102190000	LOU WORTHAN NO 10	0	285	314	0	0	11	22S	37E	D
30025102200000	LOU WORTHAN NO 11	0	195	215	0	0	11	22S	37E	F
30025102210000	LOU WORTHAN NO 12	0	358	394	0	0	11	22S	37E	H
30025249430000	LOU WORTHAN NO 13	80	350	385	11	5	11	22S	37E	C
30025252550000	LOU WORTHAN NO 14	80	372	409	12	5	11	22S	37E	A
30025253040000	LOU WORTHAN NO 15	80	242	266	9	4	11	22S	37E	G
30025253830000	LOU WORTHAN NO 16	0	28	31	0	0	11	22S	37E	B
30025254050000	LOU WORTHAN NO 17	80	321	353	11	5	11	22S	37E	E
30025255680000	LOU WORTHAN NO 18	0	55	61	0	0	11	22S	37E	H
30025294690000	LOU WORTHAN NO 19	0	259	285	0	0	11	22S	37E	D
30025302850000	LOU WORTHAN NO 20	80	132	145	6	3	11	22S	37E	F
30025334280000	LOU WORTHAN NO 21	80	283	311	10	5	11	22S	37E	B
30025070370000	MARK OWEN NO 1	0	153	168	0	0	35	21S	37E	L
30025070380000	MARK OWEN NO 2	41	74	81	3	1	35	21S	37E	M
30025070390000	MARK OWEN NO 3	72	140	154	6	3	35	21S	37E	N
30025070400000	MARK OWEN NO 4	1,000	360	396	56	26	35	21S	37E	K
30025251300000	MARK OWEN NO 7	1,000	44	48	15	7	35	21S	37E	N
30025254810000	MARK OWEN NO 8	1,000	74	81	21	10	35	21S	37E	M
30025294680000	MARK OWEN NO 9	1,000	70	77	20	9	35	21S	37E	L
30025099340000	W S MARSHALL B NO 1	0	200	220	0	0	27	21S	37E	N
30025068190000	W S MARSHALL B NO 2	1,000	116	128	28	13	27	21S	37E	M
30025068200000	W S MARSHALL B NO 3	6,000	42	46	45	21	27	21S	37E	K
30025068210000	W S MARSHALL B NO 4	6,000	70	77	62	28	27	21S	37E	L
30025068240000	W S MARSHALL B NO 6	6,000	75	83	65	30	27	21S	37E	M
30025068220000	W S MARSHALL B NO 7	0	179	197	0	0	27	21S	37E	L
30025068250000	W S MARSHALL B NO 8	0	10	11	0	0	27	21S	37E	L
30025068260000	W S MARSHALL B NO 9	1,000	120	132	28	13	27	21S	37E	K
30025297970000	W S MARSHALL B NO 10	1,000	146	161	32	15	27	21S	37E	M
30025099490000	WALTER LYNCH NO 4	60	175	193	6	3	1	22S	37E	D
30025099500000	WALTER LYNCH NO 5	0	27	30	0	0	1	22S	37E	C
30025251310000	WALTER LYNCH NO 6	0	65	72	0	0	1	22S	37E	F
30025254860000	WALTER LYNCH NO 7	1,000	92	101	24	11	1	22S	37E	D
30025256440000	WALTER LYNCH NO 8	500	95	105	16	7	1	22S	37E	E
30025272810000	WM TURNER NO 4	2,500	63	69	34	15	29	21S	37E	J
30025089210000	MAXWELL STATE NO 1	26,000	2	2	17	8	18	22S	36E	C
30025089150000	MCDONALD STATE AC 1 A NO 1	26,000	8	9	40	18	15	22S	36E	M
30025089170000	MCDONALD STATE AC 1 A NO 3	26,000	15	17	59	27	15	22S	36E	E
30025089180000	MCDONALD STATE AC 1 A NO 4	1,000	15	17	8	4	15	22S	36E	D
30025089250000	MCDONALD STATE AC 1 COM NO 5	1,000	60	66	18	8	16	22S	36E	F
30025089260000	MCDONALD STATE AC 1 COM NO 6	1,000	3	3	3	1	16	22S	36E	N
30025089310000	MCDONALD STATE AC 1 COM NO 25	1,000	14	15	7	3	16	22S	36E	H
30025089240000	MCDONALD STATE AC 1 NO 3	1,000	35	39	13	6	16	22S	36E	J
30025089240000	MCDONALD STATE AC 1 NO 4	1,000	15	17	8	4	16	22S	36E	P
30025089270000	MCDONALD STATE AC 1 NO 7	1,000	15	17	8	4	16	22S	36E	O

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Percentage over test buffer =		10%		Pasquilli - Gifford		Surface Hole Location				
API NUMBER	Well Name	H ₂ S (ppm)	Gas Rate (MSCFD)	Gas Rate (MSCFD) w/Buffer	100 ppm	500 ppm	Section	Township	Range	UL
30025089280000	MCDONALD STATE AC 1 NO 8	1,000	25	28	11	5	16	22S	36E	M
30025089290000	MCDONALD STATE AC 1 NO 9	1,000	15	17	8	4	16	22S	36E	L
30025089300000	MCDONALD STATE AC 1 NO 10	1,000	45	50	15	7	16	22S	36E	K
30025254750000	MCDONALD STATE AC 1 NO 29	1,000	10	11	6	3	16	22S	36E	I
30025311410000	MCDONALD STATE AC 1 NO 38	1,000	16	18	8	4	16	22S	36E	f
30025311420000	MCDONALD STATE AC 1 NO 39	1,000	15	17	8	4	16	22S	36E	G
30025311430000	MCDONALD STATE AC 1 NO 44	1,000	56	62	18	8	16	22S	36E	B
30025311440000	MCDONALD STATE AC 1 NO 45	1,000	15	17	8	4	16	22S	36E	A
30025311840000	MCDONALD STATE AC 1 NO 46	1,000	10	11	6	3	16	22S	36E	H
30025311850000	MCDONALD STATE AC 1 NO 47	1,000	43	47	15	7	16	22S	36E	N
30025088970000	MCDONALD STATE AC 2 NO 11	24,000	111	122	197	90	13	22S	36E	A
30025089090000	MCDONALD STATE AC 2 NO 26	24,000	65	72	141	65	13	22S	36E	J
30025258840000	MCDONALD STATE AC 2 NO 29	0	30	33	0	0	13	22S	36E	H
30025259260000	MCDONALD STATE AC 2 NO 30	0	30	33	0	0	13	22S	36E	A
30025259320000	MCDONALD STATE AC 2 NO 31	24,000	15	17	56	26	13	22S	36E	G
30025259330000	MCDONALD STATE AC 2 NO 32	0	37	41	0	0	13	22S	36E	B
30025260120000	MCDONALD STATE AC 2 NO 33	24,000	5	6	28	13	13	22S	36E	I
30025339700000	MCDONALD STATE AC 2 NO 35	24,000	52	57	123	56	13	22S	36E	E
30025089160000	MCDONALD WN STATE 2	1,000	40	44	14	7	15	22S	36E	K
30025089140000	MCDONALD WN STATE 15	1,000	1	1	1	1	15	22S	36E	L
30025246510000	MCDONALD WN STATE 23	1,000	19	21	9	4	15	22S	36E	C
30025091590000	SO EUNICE SEVEN RIVERS NO 402	20,000	1	1	9	4	35	22S	36E	B
30025090370000	SO EUNICE SEVEN RIVERS NO 403	20,000	1	1	9	4	26	22S	36E	J
30025091790000	SO EUNICE SEVEN RIVERS NO 416	20,000	1	1	9	4	36	22S	36E	F
30025091810000	SO EUNICE SEVEN RIVERS NO 418	20,000	1	1	9	4	36	22S	36E	D
30025090230000	SO EUNICE SEVEN RIVERS NO 422	20,000	2	2	14	7	25	22S	36E	F
30025090240000	SO EUNICE SEVEN RIVERS NO 424	20,000	2	2	14	7	25	22S	36E	D
30025090190000	SO EUNICE SEVEN RIVERS NO 430	20,000	2	2	14	7	24	22S	36E	N
30025284470000	SO EUNICE SEVEN RIVERS NO 434	20,000	1	1	9	4	25	22S	36E	D
30025284480100	SO EUNICE SEVEN RIVERS NO 435	20,000	1	1	9	4	36	22S	36E	M
30025293410000	SO EUNICE SEVEN RIVERS NO 436	20,000	1	1	9	4	35	22S	36E	I
30025295480000	SO EUNICE SEVEN RIVERS NO 438	20,000	1	1	9	4	36	22S	36E	K
30025293430000	SO EUNICE SEVEN RIVERS NO 439	20,000	1	1	9	4	36	22S	36E	N
30025295500000	SO EUNICE SEVEN RIVERS NO 440	20,000	3	3	18	8	35	22S	36E	G
30025090320000	SO EUNICE SEVEN RIVERS NO 501	20,000	2	2	14	7	26	22S	36E	L
30025090340000	SO EUNICE SEVEN RIVERS NO 503	20,000	2	2	14	7	26	22S	36E	N
30025091530000	SO EUNICE SEVEN RIVERS NO 701	20,000	1	1	9	4	35	22S	36E	P
30025059090000	BERTHA BARBER NO 4	1,000	163	179	34	16	5	20S	37E	K
30025059130000	BERTHA BARBER NO 8	1,000	44	48	15	7	5	20S	37E	E
30025059160000	BERTHA BARBER NO 11	11,000	49	54	73	33	5	20S	37E	4
30025323840000	BERTHA BARBER NO 13	1,000	44	48	15	7	32	19S	37E	N
30025323850000	BERTHA BARBER NO 14	1,000	115	127	28	13	32	19S	37E	M
30025325320000	BERTHA BARBER NO 15	7,000	102	112	87	40	5	20S	37E	3
30025339190000	BERTHA BARBER NO 16	6,000	55	61	53	24	5	20S	37E	K
30025342040000	BERTHA BARBER NO 17	1,000	209	230	40	18	5	20S	37E	F
30025343270000	BERTHA BARBER NO 18 Y	6,000	30	33	37	17	5	20S	37E	L
30025327080000	ELLIOTT STATE NO 7	14,000	120	132	148	68	30	19S	37E	O
30025061260000	HANSEN STATE NO 3	2,000	1	1	2	1	16	20S	37E	A
30025339870000	HANSEN STATE NO 7	2,000	40	44	22	10	16	20S	37E	B
30025342860000	HANSEN STATE NO 9	2,000	75	83	33	15	16	20S	37E	H
30025340670000	LAUGHLIN NO 2	1,000	36	40	13	6	9	20S	37E	G
30025040780000	MCGRAIL STATE NO 1	0	5	6	0	0	26	19S	36E	N
30025325790000	MCGRAIL STATE NO 3	22,500	40	44	100	46	26	19S	36E	K
30025336010000	MCGRAIL STATE NO 7	20,000	106	117	171	78	27	19S	36E	H
30025335780000	MCGRAIL STATE NO 8	20,000	150	165	213	97	27	19S	36E	A
30025336070000	MCGRAIL STATE NO 9	20,000	400	440	393	180	26	19S	36E	K
30025336870000	MCGRAIL STATE NO 10	20,000	200	220	255	116	26	19S	36E	N
30025080360000	W H LAUGHLIN NO 3	11,000	1	1	6	3	9	20S	37E	G
30025323800000	W H LAUGHLIN NO 5	6,000	21	23	29	13	9	20S	37E	H
30025324660000	W H LAUGHLIN NO 6	4,000	27	30	27	12	9	20S	37E	F
30025331410000	W H LAUGHLIN NO 7	1,000	71	78	20	9	9	20S	37E	E
30025343410000	W H LAUGHLIN NO 8	700	53	58	14	6	9	20S	37E	F
30015298370000	DAVID CROCKETT 27 STATE NO 1	0	60	66	0	0	27	18S	28E	K
30015302250000	DAVID CROCKETT 27 STATE NO 2	0	10	11	0	0	27	18S	28E	F
30015302790000	DAVID CROCKETT 27 STATE NO 3	0	15	17	0	0	27	18S	28E	M
30015301650001	EDWARD MITCHUSON 4 ST NO 1	0	19	21	0	0	4	19S	28E	K
30015303160000	GEORGE PAGAN 28 STATE NO 1	0	45	50	0	0	26	18S	28E	D
30015303670000	GEORGE PAGAN 28 STATE NO 2	0	5	6	0	0	26	18S	28E	L
30015298900000	JAMES BUCHANAN 33 STATE NO 1	0	175	193	0	0	33	18S	28E	I
30015303220000	JAMES BUCHANAN 33 STATE NO 2	0	20	22	0	0	33	18S	28E	A
30025265030000	MARATHON SEC 17 ST COM NO 1	0	1	1	0	0	17	17S	35E	D
30025299410000	MARATHON SEC 17 ST COM NO 2	0	0	0	0	0	17	17S	35E	F
30025201160000	MCCALLISTER STATE NO 5	200	20	22	3	2	25	17S	34E	M

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API NUMBER	Well Name	H ₂ S (ppm)	Gas Rate (MSCFD)	Gas Rate (MSCFD) w/Buffer	100 ppm	500 ppm	Section	Township	Range	UL
30025326470000	MCCALLISTER STATE NO 11	200	70	77	7	3	25	17S	34E	N
30025339540000	MCCALLISTER STATE NO 12	200	100	110	9	4	25	17S	34E	L
30025331130000	ROYAL STATE NO 1	400	10	11	3	2	33	17S	35E	I
30025336590000	SILVERSTRAND STATE NO 1	0	10	11	0	0	2	17S	34E	C
30025221710000	SILVERSTRAND STATE NO 2	0	40	44	0	0	2	17S	34E	D
30025252730000	STATE SECTION 7 COM NO 1	0	368	405	0	0	7	17S	35E	G
30025323110000	WARN STATE AC 1 NO 6	1,000	235	259	43	20	31	17S	35E	K
30025339510000	WARN STATE AC 1 NO 7	1,000	65	72	19	9	31	17S	35E	F
30025030820000	WARN STATE AC 2 NO 8	1,700	30	33	17	8	6	18S	35E	N
30025030830000	WARN STATE AC 2 NO 9	800	10	11	5	2	6	18S	35E	M
30025200310000	WARN STATE AC 2 NO 11	180	5	6	1	1	6	18S	35E	L
30025318870000	WARN STATE AC 2 NO 18	18	10	11	0	0	6	18S	35E	K
30025319270000	WARN STATE AC 2 NO 19	10	5	6	0	0	6	18S	35E	F
30025319340000	WARN STATE AC 2 NO 20	18	30	33	1	0	6	18S	35E	E
30025319690000	WARN STATE AC 2 NO 21	130	20	22	3	1	6	18S	35E	C
30025320340000	WARN STATE AC 2 NO 22	70	17	19	2	1	6	18S	35E	D
30025321870000	WARN STATE AC 2 NO 23	5	10	11	0	0	6	18S	35E	N
30025321890000	WARN STATE AC 2 NO 24	975	20	22	9	4	6	18S	35E	M
30025335410000	WARN STATE AC 2 NO 26	17,000	5	6	23	10	6	18S	35E	E
30025029840000	WARN STATE AC 3 NO 4	100	25	28	3	1	33	17S	35E	H
30025325120000	WARN STATE AC 3 NO 10	0	5	6	0	0	33	17S	35E	H
30025336910000	WILLOWPEG STATE 1	0	110	121	0	0	35	16S	34E	F