

**APPENDIX A:**  
ASSUMED PRODUCTION RATES, DECLINE CURVES, AND  
DISCOUNTING TABLES FOR EACH ALTERNATIVE

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Appendix A

No Action Alternative

MMCF Natural Gas Total Production for Year	Price / MMCF \$3,500	Condensate Production Value/Bbl \$21	NG Production	Natural Gas			Condensate			Labor
				PV of LOP Production	Discount Factor	Condensate	PV of LOP Production	Discount Factor	Condensate	
548,121.39	1,918,424,869.79	5,207,153.22	1	1,853,550,598.83	0.966183575	1	105,652,384.13	0.966183575	1	69,949,292.50
274,804.06	961,814,194.99	2,610,638.53	2	897,863,842.79	0.9335107	2	51,178,239.04	0.9335107	2	33,883,585.70
209,928.43	734,749,493.86	1,994,320.05	3	662,701,946.48	0.901942706	3	37,774,010.95	0.901942706	3	25,009,046.06
176,075.29	616,263,238.17	1,672,715.29	4	537,038,061.83	0.871442228	4	30,611,169.52	0.871442228	4	20,266,742.38
154,422.64	540,479,226.42	1,467,015.04	5	455,069,005.89	0.841973167	5	25,938,933.34	0.841973167	5	17,173,394.14
139,056.95	486,699,317.45	1,321,041.00	6	395,930,208.33	0.813500644	6	22,568,021.87	0.813500644	6	14,941,614.20
127,431.82	446,011,353.71	1,210,602.25	7	350,560,892.38	0.785990961	7	19,981,970.87	0.785990961	7	13,229,466.96
118,244.37	413,855,279.87	1,123,321.47	8	314,286,482.13	0.759411556	8	17,914,329.48	0.759411556	8	11,860,543.26
105,899.04	392,604,176.12	1,006,040.91	9	262,738,384.68	0.733730972	9	16,419,753.10	0.733730972	10	10,871,028.81
93,572.40	348,407,867.43	888,937.81	10	216,736,283.57	0.708918814	11	14,977,227.93	0.708918814	10	9,915,975.92
82,680.56	307,853,166.97	785,465.34	11	162,365,618.39	0.684945714	12	13,602,507.10	0.684945714	12	9,005,814.26
77,717.73	255,697,902.42	738,337.42	12	133,927,276.02	0.661783298	13	12,353,968.16	0.661783298	12	8,179,193.87
68,673.15	225,934,646.65	652,394.88	13	110,469,916.26	0.639404153	14	11,220,027.83	0.639404153	15	7,428,445.79
60,679.59	199,635,841.12	509,356.58	14	91,121,112.39	0.61778179	16	10,190,169.89	0.61778179	16	6,746,697.57
53,616.48	176,398,229.12	450,067.45	15	75,161,251.46	0.596890619	17	9,254,840.26	0.596890619	17	6,127,353.71
47,375.52	146,513,531.82	373,818.81	16	56,306,236.21	0.576705912	18	8,405,362.04	0.576705912	18	5,054,147.54
44,532.99	129,459,357.93	330,306.30	17	42,181,205.48	0.557203779	19	7,633,854.73	0.557203779	19	4,590,240.26
39,340.35	107,526,864.63	310,487.91	18	34,793,167.41	0.53836114	20	6,933,162.73	0.53836114	20	4,168,913.70
34,769.08	95,010,733.12	242,413.10	19	28,099,146.35	0.52015569	21	6,296,785.23	0.52015569	21	3,786,259.69
32,682.94	83,951,484.23	201,344.46	20	24,413,100	0.485570903	22	5,718,819.29	0.485570903	22	3,438,728.54
28,878.64	69,728,764.41	177,907.98	21	21,499,656.88	0.469150631	23	5,193,903.41	0.469150631	23	3,123,096.51
25,517.17	61,612,344.73	157,199.49	22	14,627,886.19	0.453285634	24	4,717,168.41	0.453285634	24	2,576,086.07
22,546.97	54,812,121.39	139,056.95	23	11,210,602.25	0.437957134	25	4,300,956.23	0.437957134	25	2,339,633.72
21,194.15	48,699,317.45	127,431.82	24	9,254,840.26	0.423146989	26	3,950,124.42	0.423146989	26	2,124,884.74
18,727.16	41,385,279.87	112,332.14	25	7,633,854.73	0.408837671	27	3,209,455.46	0.408837671	27	1,929,847.02
16,547.31	34,840,743.15	93,572.40	26	6,127,353.71	0.395012242	28	2,914,867.78	0.395012242	28	1,752,711.30
-	-	-	27	5,054,147.54	0.38165434	29	2,647,319.52	0.38165434	29	1,591,834.33
-	-	-	28	4,168,913.70	0.368748155	30	2,404,328.71	0.368748155	30	1,445,723.93
-	-	-	29	3,438,728.54	0.356278411	31	2,183,641.52	0.356278411	31	1,313,024.55
-	-	-	30	2,878,640.00	0.344230348	32	1,983,210.54	0.344230348	32	1,192,505.40
-	-	-	31	2,413,100.00	0.332589709	33	1,801,176.75	0.332589709	33	1,083,048.39
-	-	-	32	2,009,146.35	0.321342714	34	1,635,851.34	0.321342714	34	983,638.15
-	-	-	33	1,773,394.36	0.310476052	35	1,485,700.75	0.310476052	35	893,352.55
-	-	-	34	1,544,731.82	0.299976862	36	1,349,332.11	0.299976862	36	813,354.04
-	-	-	35	1,390,569.52	0.289832717	37	1,225,480.43	0.289832717	37	736,881.93
-	-	-	36	1,210,602.25	0.28003161	38	1,112,996.72	0.28003161	38	669,245.48
-	-	-	37	1,060,892.38	0.270561942	39	1,010,837.68	0.270561942	39	607,817.19
-	-	-	38	925,274.68	0.261412505	40	918,055.53	0.261412505	40	552,027.17
-	-	-	39	814,329.48	0.252572468	41	833,789.51	0.252572468	41	-
-	-	-	40	722,727.93	0.24403137	42	764,319.52	0.24403137	42	-
-	-	-	41	652,394.88	0.235779102	43	704,328.71	0.235779102	43	-
-	-	-	42	597,906.19	0.227805895	44	652,394.88	0.227805895	44	-
-	-	-	43	552,027.83	0.220102314	45	607,817.19	0.220102314	45	-
-	-	-	44	505,417.54	0.212659241	46	563,854.73	0.212659241	46	-
-	-	-	45	463,854.73	0.205467866	47	522,727.93	0.205467866	47	-
-	-	-	46	424,867.78	0.198519677	48	483,789.51	0.198519677	48	-
-	-	-	47	386,259.69	0.1918519677	49	445,723.93	0.1918519677	49	-

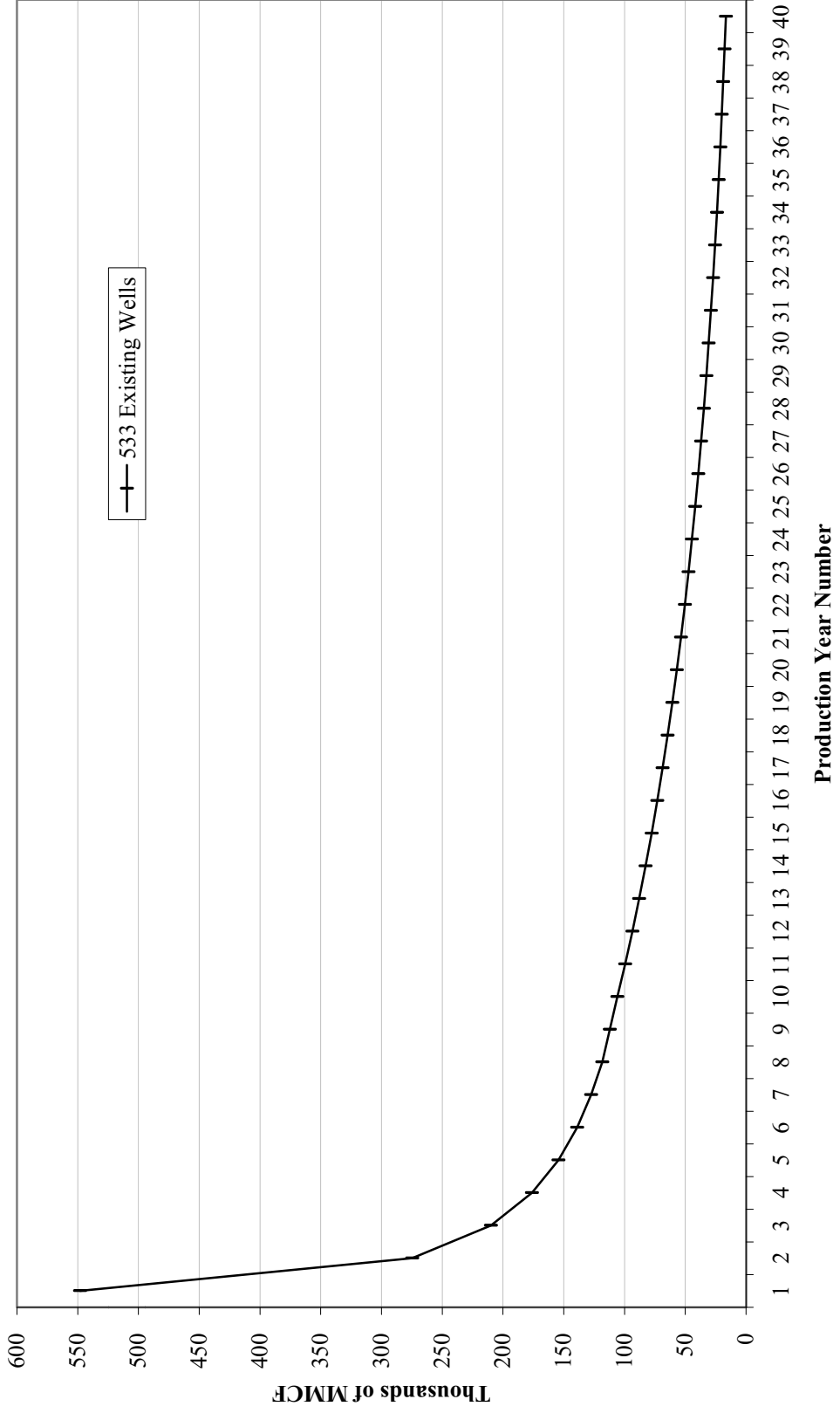
Appendix A

No Action Alternative

MMCF Natural Gas Total Production for Year	Price / MMCF \$3,500	Condensate Production	Value/bbl	Natural Gas PV of LOP Production	Condensate	Labor Earnings	Discount Factor	Labor PV of LOP Labor
-	-	-	50	0.191806451	48	48	0.191806451	0.191806451
-	-	-	50	0.185320243	49	49	0.185320243	0.185320243
-	-	-	50	0.179053375	50	50	0.179053375	0.179053375
-	-	-	50	0.172998429	51	51	0.172998429	0.172998429
-	-	-	50	0.167148241	52	52	0.167148241	0.167148241
-	-	-	50	0.161495885	53	53	0.161495885	0.161495885
-	-	-	50	0.156034672	54	54	0.156034672	0.156034672
-	-	-	50	0.150758137	55	55	0.150758137	0.150758137
-	-	-	50	0.145660036	56	56	0.145660036	0.145660036
-	-	-	50	0.140734334	57	57	0.140734334	0.140734334
-	-	-	50	0.135975202	58	58	0.135975202	0.135975202
-	-	-	50	0.131377007	59	59	0.131377007	0.131377007
-	-	-	50	0.126934306	60	60	0.126934306	0.126934306
-	-	-	50	0.122641841	61	61	0.122641841	0.122641841
-	-	-	50	0.118494533	62	62	0.118494533	0.118494533
-	-	-	50	0.114487471	63	63	0.114487471	0.114487471
-	-	-	50	0.110615914	64	64	0.110615914	0.110615914
-	-	-	50	0.106875279	65	65	0.106875279	0.106875279
-	-	-	50	0.10326114	66	66	0.10326114	0.10326114
-	-	-	50	0.099769217	67	67	0.099769217	0.099769217
-	-	-	50	0.096395379	68	68	0.096395379	0.096395379
-	-	-	50	0.093135632	69	69	0.093135632	0.093135632
-	-	-	50	0.089986118	70	70	0.089986118	0.089986118
-	-	-	50	0.086943109	71	71	0.086943109	0.086943109
-	-	-	50	0.084003004	72	72	0.084003004	0.084003004
-	-	-	50	0.081162322	73	73	0.081162322	0.081162322
-	-	-	50	0.078417703	74	74	0.078417703	0.078417703
-	-	-	50	0.075765896	75	75	0.075765896	0.075765896
-	-	-	50	0.073203765	76	76	0.073203765	0.073203765
-	-	-	50	0.070728275	77	77	0.070728275	0.070728275
-	-	-	50	0.068336498	78	78	0.068336498	0.068336498
-	-	-	50	0.066025601	79	79	0.066025601	0.066025601
-	-	-	50	0.063792852	80	80	0.063792852	0.063792852
-	-	-	50	0.061635605	81	81	0.061635605	0.061635605
3,366,000.00	\$11,781,003,500	31,977,000.00	671,517,000.00	8,473,010,816	482,961,617	319,754,482		

Appendix A

**LOF PRODUCTION CURVES**  
**No Action Alternative--533 Existing Wells**



Appendix A

Proposed Action - 75 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price/ MMCF \$3,500	Condensate Production Value/bbl \$21	NG Production	Natural Gas			Condensate			Labor PV of LOP Labor
				PV of LOP Production	Discount Factor	Condensate	PV of LOP Production	Discount Factor	Labor Earnings	
32,352.49	113,233,698.96	307,348.61	1	109,404,540.06	0.966183575	1	6,236,038.78	0.966183575	1	4,128,708.53
48,572.61	170,041,151.68	461,439.84	2	158,700,694.70	0.9335107	2	9,045,939.60	0.9335107	2	5,989,046.82
60,963.50	213,372,261.70	579,153.28	3	192,449,555.03	0.901942706	3	10,969,624.64	0.901942706	3	7,262,661.31
74,356.23	249,746,815.70	677,884.21	4	217,639,921.43	0.871442228	4	12,805,475.52	0.871442228	4	8,213,295.36
80,470.93	281,648,250.99	764,473.82	5	237,140,269.82	0.841973167	5	13,516,995.38	0.841973167	5	8,949,199.50
88,678.67	310,375,362.32	842,447.41	6	252,490,557.23	0.813500644	6	14,391,961.76	0.813500644	6	9,528,488.65
96,200.26	336,700,893.16	913,902.42	7	264,643,838.48	0.785990961	7	15,084,699.93	0.785990961	7	9,987,129.93
103,179.55	361,128,432.70	980,205.75	8	274,245,105.07	0.759411556	8	15,631,970.99	0.759411556	8	10,349,461.78
109,800.47	384,301,638.13	1,043,104.45	9	281,974,014.56	0.733730972	9	16,072,518.83	0.733730972	9	10,641,135.36
116,051.09	406,178,814.52	1,102,485.35	10	287,947,803.34	0.708918814	10	16,413,024.79	0.708918814	10	10,866,574.20
121,926.67	426,743,361.20	1,158,303.41	11	292,296,036.11	0.684945714	11	16,660,874.06	0.684945714	11	11,030,667.81
127,449.72	446,074,035.64	1,210,772.38	12	295,204,346.59	0.661783298	12	16,826,647.76	0.661783298	12	11,140,421.63
132,641.39	464,344,867.62	1,260,093.21	13	296,840,096.34	0.639404153	13	16,919,885.49	0.639404153	13	11,202,151.56
137,521.56	481,325,449.17	1,306,454.79	14	297,354,097.69	0.61778179	14	16,949,183.57	0.61778179	14	11,221,548.94
142,108.91	497,381,195.77	1,350,034.67	15	296,882,169.64	0.596890619	15	16,922,283.67	0.596890619	15	11,203,739.32
146,421.03	512,473,597.36	1,390,999.76	16	295,546,533.19	0.576705912	16	16,846,153.53	0.576705912	16	11,153,335.82
150,474.42	526,660,453.64	1,429,506.95	17	293,457,195.25	0.557203779	17	16,727,060.13	0.557203779	17	11,074,487.63
154,284.60	539,996,098.50	1,465,703.70	18	290,712,914.94	0.53836114	18	16,570,636.15	0.53836114	18	10,970,923.98
157,866.17	552,331,604.18	1,499,728.64	19	287,402,488.03	0.52015569	19	16,381,940.11	0.52015569	19	10,845,993.96
161,232.85	564,314,979.23	1,531,712.09	20	283,605,456.64	0.502565884	20	16,165,511.03	0.502565884	20	10,702,702.72
164,397.53	575,391,351.55	1,561,776.53	21	279,393,298.06	0.485570903	21	15,925,417.99	0.485570903	21	10,543,744.28
167,372.33	585,803,141.74	1,590,037.10	22	274,829,913.45	0.469150631	22	15,665,305.07	0.469150631	22	10,371,531.27
170,168.64	595,590,223.92	1,616,602.04	23	269,972,492.00	0.453285634	23	15,388,432.04	0.453285634	23	10,188,221.90
172,797.17	604,790,080.81	1,641,573.08	24	264,872,130.40	0.437957134	24	15,097,711.43	0.437957134	24	9,995,744.46
175,267.98	613,437,946.27	1,665,045.85	25	259,574,420.07	0.423146989	25	14,795,741.94	0.423146989	25	9,795,819.46
177,590.55	621,566,939.83	1,687,110.27	26	254,119,979.92	0.408837671	26	14,484,838.86	0.408837671	26	9,589,979.80
179,773.77	629,208,193.83	1,707,850.81	27	248,544,939.52	0.395012242	27	14,167,061.55	0.395012242	27	9,379,588.93
181,825.99	636,390,972.54	1,727,346.93	28	242,881,376.86	0.38165434	28	13,842,238.48	0.38165434	28	9,165,857.40
183,755.08	643,142,784.18	1,745,673.27	29	237,157,715.05	0.368748155	29	13,517,989.76	0.368748155	29	8,949,857.85
185,568.42	649,489,487.10	1,762,900.04	30	231,399,082.17	0.356278411	30	13,189,747.68	0.356278411	30	8,732,538.56
187,272.97	655,455,387.48	1,779,093.19	31	225,627,636.40	0.344230348	31	12,860,775.27	0.344230348	31	8,514,735.74
188,875.24	661,063,333.91	1,794,314.76	32	219,862,861.60	0.332589709	32	12,532,183.11	0.332589709	32	8,297,184.67
190,381.37	666,334,803.54	1,808,623.04	33	214,121,833.96	0.321342714	33	12,204,944.54	0.321342714	33	8,080,529.77
191,797.14	671,289,985.03	1,822,072.82	34	208,419,464.18	0.310476052	34	11,879,909.46	0.310476052	34	7,865,333.74
193,127.96	675,947,855.75	1,834,715.61	35	202,768,716.41	0.299976862	35	11,557,816.84	0.299976862	35	7,652,085.82
194,378.93	680,326,254.41	1,846,599.83	36	197,180,806.48	0.289832717	36	11,239,305.97	0.289832717	36	7,441,209.27
195,554.84	684,441,949.16	1,857,771.00	37	191,665,381.13	0.28003161	37	10,924,926.72	0.28003161	37	7,233,068.15
196,660.20	688,310,702.53	1,868,271.91	38	186,230,680.54	0.270561942	38	10,615,148.79	0.270561942	38	7,027,973.42
197,699.24	691,947,330.92	1,878,142.76	39	180,883,684.81	0.261412505	39	10,310,370.03	0.261412505	39	6,826,188.50
198,675.93	695,376,761.39	1,887,421.35	40	175,630,246.65	0.252572468	40	10,010,924.06	0.252572468	40	6,627,934.25
166,323.45	582,132,062.43	1,580,072.74	41	142,058,484.85	0.24403137	41	8,097,333.64	0.24403137	41	5,361,003.10
150,103.32	525,361,609.71	1,425,981.51	42	123,869,288.39	0.235779102	42	7,060,549.44	0.235779102	42	4,674,579.21
137,712.43	445,993,499.69	1,308,268.07	43	109,800,960.74	0.227805895	43	6,258,654.76	0.227805895	43	4,143,668.66
127,319.70	441,818,945.69	1,209,537.14	44	98,081,761.26	0.220102314	44	5,590,660.39	0.220102314	44	3,701,409.51
118,205.00	413,717,510.40	1,122,947.53	45	87,980,851.71	0.212659241	45	5,014,908.55	0.212659241	45	3,320,221.38
109,997.26	384,990,399.07	1,044,973.94	46	79,103,155.58	0.205467866	46	4,508,879.87	0.205467866	46	2,985,194.89
102,475.68	358,664,868.23	973,518.93	47	71,202,033.76	0.198519677	47	4,058,515.92	0.198519677	47	2,687,022.35

Appendix A

Proposed Action - 75 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price/ MMCF \$3,500	Condensate Production	Value/bbl \$21	NG Production	Natural Gas			Condensate			Labor Earnings	Discount Factor	PV of LOP Labor
					PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Condensate	Discount Factor			
95,496.38	334,237,328.69	907,215.61	\$19,051,528	48	0.191806451	64,108,875.85	48	0.191806451	3,654,205.92	48	0.191806451	2,419,340.76	
88,875.46	311,064,123.26	844,316.91	\$17,730,655	49	0.185320243	57,646,478.80	49	0.185320243	3,285,849.29	49	0.185320243	2,175,462.82	
82,624.84	289,186,946.87	784,936.00	\$16,483,656	50	0.179053375	51,779,898.71	50	0.179053375	2,951,454.23	50	0.179053375	1,954,069.82	
76,249.26	268,622,400.19	729,117.94	\$15,311,477	51	0.172998429	46,471,253.36	51	0.172998429	2,648,861.44	51	0.172998429	1,753,732.16	
71,226.21	249,291,725.75	676,648.97	\$14,209,628	52	0.167148241	41,668,673.47	52	0.167148241	2,375,114.39	52	0.167148241	1,572,492.40	
66,034.54	231,120,893.77	627,328.14	\$13,173,891	53	0.161495885	37,325,073.30	53	0.161495885	2,127,529.18	53	0.161495885	1,408,573.62	
61,154.37	214,040,312.22	580,966.56	\$12,200,298	54	0.156034672	33,397,709.82	54	0.156034672	1,903,669.46	54	0.156034672	1,260,362.77	
56,567.02	197,984,565.62	537,386.68	\$11,285,120	55	0.150758137	29,847,784.23	55	0.150758137	1,701,323.70	55	0.150758137	1,126,395.68	
52,254.90	182,892,164.03	496,421.59	\$10,424,853	56	0.145660036	26,640,079.11	56	0.145660036	1,518,484.51	56	0.145660036	1,006,343.31	
48,201.52	168,705,307.75	457,914.41	\$9,616,203	57	0.140734334	23,742,629.10	57	0.140734334	1,353,329.86	57	0.140734334	895,999.34	
44,391.33	155,369,662.89	421,717.66	\$8,856,071	58	0.135975202	21,126,421.26	58	0.135975202	1,204,206.01	58	0.135975202	797,268.89	
40,809.76	142,834,157.21	387,692.71	\$8,141,547	59	0.131377007	18,765,124.01	59	0.131377007	1,069,612.07	59	0.131377007	708,158.25	
37,443.08	131,050,782.16	355,709.27	\$7,469,895	60	0.126934306	16,634,840.07	60	0.126934306	948,185.88	60	0.126934306	627,765.59	
34,278.40	119,974,409.84	325,644.83	\$6,838,541	61	0.122641841	14,713,882.54	61	0.122641841	838,691.31	61	0.122641841	555,272.50	
31,303.61	109,362,619.65	297,384.25	\$6,245,069	62	0.118494533	12,982,571.42	62	0.118494533	740,006.57	62	0.118494533	489,936.28	
28,507.30	99,775,537.47	270,819.32	\$5,687,206	63	0.114487471	11,423,048.98	63	0.114487471	651,113.79	63	0.114487471	431,083.02	
23,407.95	81,927,815.12	222,375.50	\$4,669,885	65	0.106875279	8,756,058.14	65	0.106875279	499,095.31	65	0.106875279	330,436.12	
21,085.38	73,798,821.56	200,311.09	\$4,206,533	66	0.10326114	7,620,550.42	66	0.10326114	434,371.37	66	0.10326114	287,584.33	
18,902.16	66,157,567.56	179,570.54	\$3,770,981	67	0.099769217	6,600,488.71	67	0.099769217	376,227.86	67	0.099769217	249,089.24	
16,849.94	58,974,788.85	160,074.43	\$3,361,563	68	0.096395379	5,684,897.11	68	0.096395379	324,039.14	68	0.096395379	214,536.65	
14,920.85	52,222,977.21	141,748.08	\$2,976,710	69	0.093135632	4,863,819.97	69	0.093135632	277,237.74	69	0.093135632	183,550.84	
13,107.51	45,876,274.29	124,521.32	\$2,614,948	70	0.089986118	4,128,227.81	70	0.089986118	235,308.99	70	0.089986118	155,791.06	
9,800.69	34,302,427.48	93,106.59	\$1,955,238	72	0.084003004	2,881,506.94	72	0.084003004	164,245.90	72	0.084003004	108,742.31	
8,294.56	29,030,957.85	78,798.31	\$1,654,765	73	0.081162322	2,356,219.96	73	0.081162322	134,304.54	73	0.081162322	88,919.03	
6,878.79	24,075,776.36	65,348.54	\$1,372,319	74	0.078417703	1,887,967.07	74	0.078417703	107,614.12	74	0.078417703	71,248.10	
5,547.97	19,417,905.64	52,705.74	\$1,106,821	75	0.075765896	1,471,215.03	75	0.075765896	83,859.26	75	0.075765896	55,520.71	
4,297.00	15,039,506.98	40,821.52	\$857,252	76	0.073203765	1,100,948.53	76	0.073203765	62,754.07	76	0.073203765	41,547.60	
3,121.09	10,923,812.23	29,650.35	\$622,657	77	0.070728275	772,622.40	77	0.070728275	44,039.48	77	0.070728275	29,157.22	
2,015.73	7,055,058.86	19,149.45	\$402,138	78	0.068336498	482,118.01	78	0.068336498	27,480.73	78	0.068336498	18,194.17	
976.69	3,418,430.47	9,278.60	\$194,851	79	0.066025601	225,703.93	79	0.066025601	12,865.12	79	0.066025601	8,517.61	
-	-	-	\$0	80	0.063792852	-	80	0.063792852	-	80	0.063792852	-	
-	-	-	\$0	81	0.061635605	-	81	0.061635605	-	81	0.061635605	-	
7,947,037.27	\$27,814,633,956	75,496,854.09	1,585,633,935.97	81	0.061635605	11,053,766.572	81	0.061635605	630,064.695	81	0.061635605	417,147.043	

Appendix A

Proposed Action - 150 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3,500	Condensate Production		Value/bbl \$21	NG Production	Natural Gas		Condensate		Labor Earnings	Discount Factor	PV of LOP Labor
		Condensate	Production			PV of LOP Production	Discount Factor	PV of LOP Production	Discount Factor			
61,602,880	215,688,395.70	585,426.12		\$12,293,948	1	0.966183575	208,389,867.34	1	0.966183575	11,898,211.04	1	7,864,209.27
92,519,300	323,817,536.22	878,933.31		\$18,457,600	2	0.9335107	302,287,135.03	2	0.9335107	17,230,366.70	2	11,407,711.90
116,121,000	406,423,486.73	1,103,149.46		\$23,166,139	3	0.901942706	366,570,699.27	3	0.901942706	20,894,529.86	3	13,833,645.05
135,916,688	475,708,373.83	1,291,208.44		\$27,115,377	4	0.871442228	414,552,365.02	4	0.871442228	23,629,484.81	4	15,644,377.15
153,278,010	536,473,032.08	1,456,141.09		\$30,578,963	5	0.841973167	451,695,897.75	5	0.841973167	25,746,666.17	5	17,046,099.79
168,911,882	591,191,357.03	1,604,602.25		\$33,097,907	6	0.813500644	480,934,549.85	6	0.813500644	27,413,269.34	6	18,149,508.04
183,238,624	641,335,241.47	1,740,672.08		\$36,556,109	7	0.785990961	504,083,702.56	7	0.785990961	28,732,771.05	7	19,023,110.77
196,552,554	687,863,903.22	1,867,059.17		\$39,208,242	8	0.759411556	522,371,797.21	8	0.759411556	29,775,192.44	8	19,713,266.88
209,143,882	732,003,356.38	1,986,866.25		\$41,724,191	9	0.733730972	537,093,534.32	9	0.733730972	30,614,331.46	9	20,268,835.80
221,049,777	773,674,181.99	2,099,972.78		\$44,099,428	10	0.708918814	548,472,183.29	10	0.708918814	31,262,914.45	10	20,698,243.25
232,241,336	812,844,759.72	2,206,992.92		\$46,332,151	11	0.684945714	556,674,534.10	11	0.684945714	31,735,908.44	11	21,010,802.61
242,761,466	849,665,103.87	2,306,233.85		\$48,430,911	12	0.661783298	562,294,174.88	12	0.661783298	32,089,921.84	12	21,244,456.04
252,650,335	884,276,223.58	2,400,178.32		\$50,403,745	13	0.639404153	565,409,889.70	13	0.639404153	32,228,363.71	13	21,337,438.42
261,945,931	916,810,075.11	2,488,486.12		\$52,258,208	14	0.61778179	566,388,940.21	14	0.61778179	32,284,169.59	14	21,374,385.83
270,683,729	947,393,059.46	2,571,495.45		\$54,001,404	15	0.596890619	565,490,029.34	15	0.596890619	32,322,931.67	15	21,340,462.73
278,897,29	976,140,500.32	2,649,524.22		\$55,640,009	16	0.576705912	562,945,997.20	16	0.576705912	32,087,921.84	16	21,244,456.04
286,618,03	1,003,163,092.44	2,722,871.25		\$57,180,296	17	0.557203779	558,966,266.49	17	0.557203779	31,861,077.19	17	21,094,268.96
293,875,52	1,028,564,328.94	2,791,817.46		\$58,628,167	18	0.53836114	553,739,064.23	18	0.53836114	31,563,126.66	18	20,897,004.81
300,697,57	1,052,441,490.31	2,856,626.90		\$59,989,165	19	0.52015569	547,433,429.99	19	0.52015569	31,203,705.51	19	20,659,042.78
307,110,29	1,074,886,021.46	2,917,547.77		\$61,268,503	20	0.502565884	540,201,044.04	20	0.502565884	30,791,459.51	20	20,386,107.00
313,138,225	1,095,998,380.30	2,974,813.39		\$62,471,081	21	0.485570903	532,177,882.25	21	0.485570903	30,334,139.29	21	20,083,328.92
321,180,73	1,117,323,562.32	2,443,216.95		\$51,307,556	22	0.469150631	422,297,759.38	22	0.469150631	24,070,972.28	22	15,936,672.84
331,611,54	810,640,399.10	2,200,309.65		\$46,206,503	23	0.453285634	367,451,646.91	23	0.453285634	20,944,743.87	23	13,866,690.25
337,477,25	840,339,910	2,297,234.08		\$49,496,805	24	0.437957134	326,522,440.97	24	0.437957134	18,611,779.14	24	12,322,303.88
343,065,97	867,745,234.08	1,880,308.49		\$39,486,478	25	0.423146989	293,133,060.13	25	0.423146989	16,708,384.43	25	11,062,255.42
348,989,82	647,464,378.09	1,757,403.31		\$36,905,470	26	0.408837671	264,707,828.26	26	0.408837671	15,088,346.21	26	9,985,544.02
373,514,52	607,300,827.34	1,648,387.96		\$34,616,147	27	0.395012242	239,891,261.57	27	0.395012242	13,673,801.91	27	9,053,016.43
378,096,69	570,838,430.58	1,549,418.60		\$32,537,791	28	0.38165434	217,862,964.70	28	0.38165434	12,448,888.99	28	8,221,712.56
385,477,25	537,171,366.59	1,458,033.85		\$30,618,711	29	0.368748155	198,089,381.58	29	0.368748155	11,290,393.15	29	7,475,164.99
393,660,76	474,812,673.09	1,288,777.26		\$27,064,322	30	0.356278411	179,963,063.32	30	0.356278411	10,257,908.46	30	6,791,455.25
412,677,65	394,371,779.42	1,211,450.59		\$25,440,462	31	0.344230348	163,444,951.89	31	0.344230348	9,461,235.97	31	6,168,084.84
419,869,84	419,544,455.15	1,138,763.52		\$23,914,034	32	0.332589709	148,442,716.35	32	0.332589709	8,461,235.97	32	5,601,931.98
427,521,11	446,323,901.52	1,070,437.69		\$22,479,191	33	0.321342714	134,817,533.71	33	0.321342714	7,684,600.56	33	5,087,744.84
435,660,76	419,544,455.15	1,038,763.52		\$23,914,034	34	0.310476052	122,442,993.02	34	0.310476052	6,979,250.60	34	4,620,753.67
442,677,65	394,371,779.42	1,006,211.41		\$21,130,440	35	0.299976862	111,204,262.03	35	0.299976862	6,338,642.94	35	4,196,626.44
450,916,99	370,709,465.45	945,838.70		\$19,862,613	36	0.289832717	100,997,105.59	36	0.289832717	5,756,835.02	36	3,814,283.77
458,265,17	348,466,890.76	889,088.36		\$18,670,856	37	0.28003161	91,736,838.09	37	0.28003161	5,228,429.77	37	3,461,587.42
466,575,25	327,558,871.00	835,307.35		\$17,550,604	38	0.270561942	83,307,465.55	38	0.270561942	4,748,525.54	38	3,143,857.13
474,916,99	307,906,335.31	785,598.46		\$16,497,568	39	0.261412505	75,660,885.82	39	0.261412505	4,312,670.49	39	2,852,290.51
483,265,17	289,431,012.25	738,462.55		\$15,507,713	40	0.252572468	68,716,166.22	40	0.252572468	3,916,821.47	40	2,593,210.68
491,699,84	272,065,149.11	677,541.68		\$14,228,375	41	0.24403137	60,915,361.44	41	0.24403137	3,472,169.90	41	2,328,301.34
500,143,882	249,620,617.96	620,276.06		\$13,025,797	42	0.235779102	53,880,890.86	42	0.235779102	3,071,210.78	42	2,083,357.06
508,593,93	208,690,771.41	566,446.38		\$11,895,374	43	0.227808895	47,540,988.03	43	0.227808895	2,709,856.32	43	1,794,101.81
517,091,699	190,408,704.10	515,846.48		\$10,832,776	44	0.220102314	41,830,159.61	44	0.220102314	2,384,319.10	44	1,578,586.56
525,582,25	172,525,161.53	468,282.58		\$9,833,934	45	0.212659241	36,689,069.89	45	0.212659241	2,091,276.98	45	1,384,572.81
534,065,97	156,605,031.52	423,572.51		\$8,895,023	46	0.205467866	32,063,883.31	46	0.205467866	1,827,641.35	46	1,210,206.83
542,549,29	140,569,229.26	381,545.05		\$8,012,446	47	0.198519677	27,908,757.98	47	0.198519677	1,590,628.20	47	1,053,107.49
551,043,13	126,014,455.05	342,039.24		\$7,182,824	48	0.191806451	24,170,385.42	48	0.191806451	1,377,711.97	48	912,142.00



Appendix A

Proposed Action - 150 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$/3,500	Condensate Production	Value/bbl \$/21	Natural Gas			Condensate			Labor		
				NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor
32,095.13	112,332,967.38	304,903.77	\$6,402,979	49	0.185320243	20,817,572.77	49	0.185320243	1,186,601.65	49	0.185320243	785,613.56
28,420.68	99,472,269.62	269,996.43	\$5,669,925	50	0.179033375	17,810,863.45	50	0.179033375	1,015,219.22	50	0.179033375	672,146.37
24,966.69	87,383,407.80	237,183.54	\$4,980,854	51	0.172998429	15,117,192.31	51	0.172998429	861,679.96	51	0.172998429	570,492.60
21,719.94	76,019,784.35	206,339.41	\$4,333,128	52	0.167148241	12,706,573.24	52	0.167148241	724,274.67	52	0.167148241	479,520.66
18,667.99	65,337,978.19	177,345.94	\$3,724,265	53	0.161495885	10,551,814.62	53	0.161495885	601,453.43	53	0.161495885	398,204.38
15,799.17	55,297,080.40	150,092.08	\$3,151,934	54	0.156034672	8,628,261.78	54	0.156034672	491,810.92	54	0.156034672	325,613.34
13,102.47	45,858,636.42	124,473.44	\$2,613,942	55	0.150758137	6,913,562.58	55	0.150758137	394,073.07	55	0.150758137	260,904.02
10,567.57	36,986,498.87	100,391.93	\$2,108,230	56	0.145660036	5,387,454.74	56	0.145660036	307,084.92	56	0.145660036	203,311.77
8,184.77	28,646,689.20	77,755.30	\$1,632,861	57	0.140734334	4,031,572.72	57	0.140734334	229,799.65	57	0.140734334	152,143.49
5,944.93	20,807,268.10	56,476.87	\$1,186,014	58	0.135975202	2,829,272.48	58	0.135975202	161,268.53	58	0.135975202	106,771.08
3,839.49	13,438,211.68	36,475.15	\$765,978	59	0.131377007	1,765,472.02	59	0.131377007	100,631.91	59	0.131377007	66,625.38
1,860.37	6,511,298.24	17,673.52	\$371,144	60	0.126934306	826,307.12	60	0.126934306	47,110.91	60	0.126934306	31,190.73
-	-	-	\$0	61	0.122641841	-	61	0.122641841	-	61	0.122641841	-
-	-	-	\$0	62	0.118494533	-	62	0.118494533	-	62	0.118494533	-
-	-	-	\$0	63	0.114487471	-	63	0.114487471	-	63	0.114487471	-
-	-	-	\$0	64	0.110615914	-	64	0.110615914	-	64	0.110615914	-
-	-	-	\$0	65	0.106875279	-	65	0.106875279	-	65	0.106875279	-
-	-	-	\$0	66	0.10326114	-	66	0.10326114	-	66	0.10326114	-
-	-	-	\$0	67	0.099769217	-	67	0.099769217	-	67	0.099769217	-
-	-	-	\$0	68	0.096395379	-	68	0.096395379	-	68	0.096395379	-
-	-	-	\$0	69	0.093135632	-	69	0.093135632	-	69	0.093135632	-
-	-	-	\$0	70	0.089986118	-	70	0.089986118	-	70	0.089986118	-
-	-	-	\$0	71	0.086943109	-	71	0.086943109	-	71	0.086943109	-
-	-	-	\$0	72	0.084003004	-	72	0.084003004	-	72	0.084003004	-
-	-	-	\$0	73	0.081162322	-	73	0.081162322	-	73	0.081162322	-
-	-	-	\$0	74	0.078417703	-	74	0.078417703	-	74	0.078417703	-
-	-	-	\$0	75	0.075765896	-	75	0.075765896	-	75	0.075765896	-
-	-	-	\$0	76	0.073203765	-	76	0.073203765	-	76	0.073203765	-
-	-	-	\$0	77	0.070728275	-	77	0.070728275	-	77	0.070728275	-
-	-	-	\$0	78	0.068336498	-	78	0.068336498	-	78	0.068336498	-
-	-	-	\$0	79	0.066025601	-	79	0.066025601	-	79	0.066025601	-
-	-	-	\$0	80	0.063792852	-	80	0.063792852	-	80	0.063792852	-
-	-	-	\$0	81	0.061635605	-	81	0.061635605	-	81	0.061635605	-
7,947,039.84	\$27,814,642,928	75,496,878.45	1,585,434,447.39			14,491,307,089			\$26,004,304			546,872,947

Appendix A

Proposed Action - 250 Wells/Year Development Rate

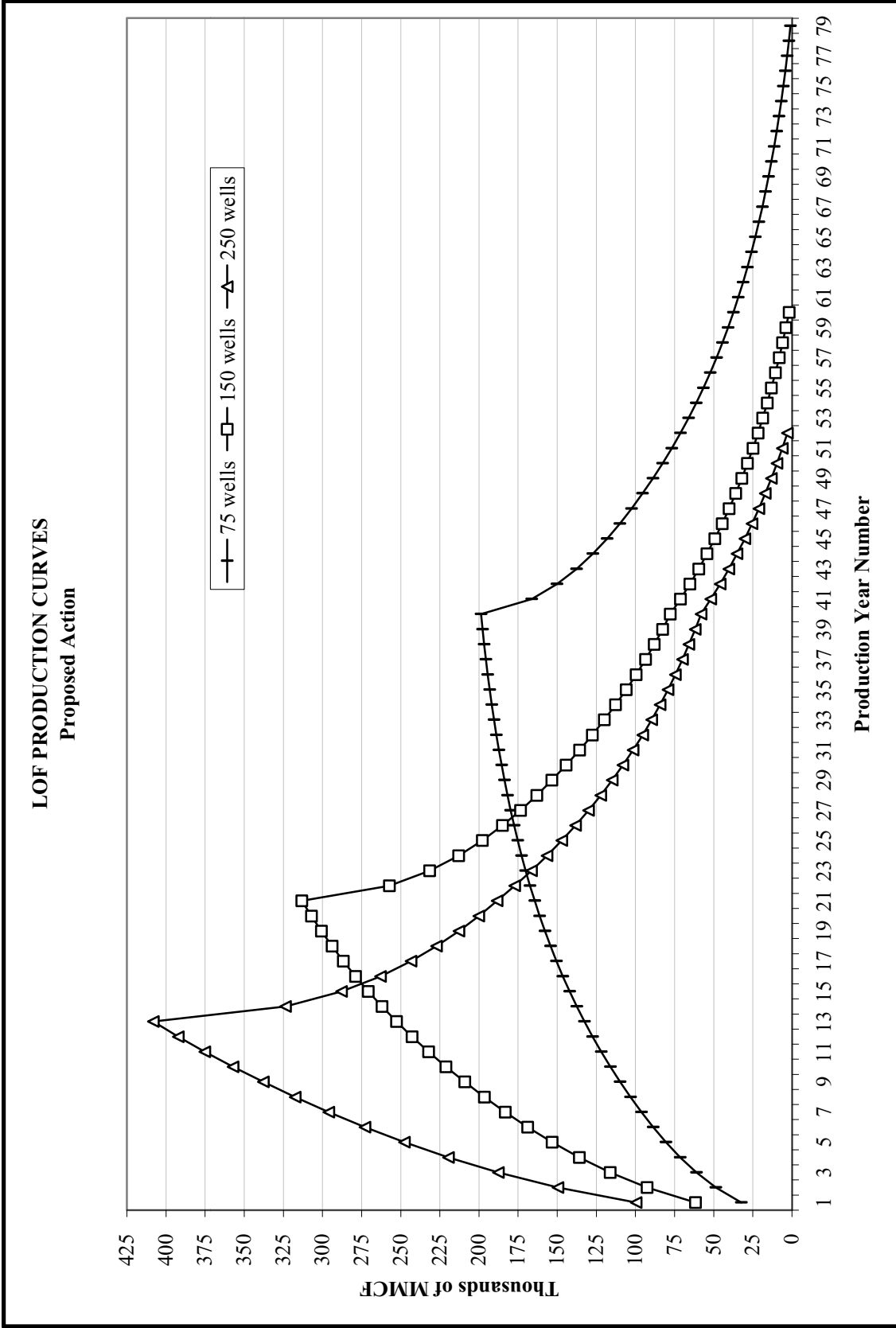
MMCF Natural Gas		Price / MMCF		Condensate Production		Value/Bbl		Natural Gas		Condensate		Labor	
Total Production for Year	\$3.500	Condensate Production	Value/Bbl	NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor	
99,348.36	348,419,248.68	945,709.39	\$19,859,897	1	0.966183575	336,638,955.25	1	0.966183575	19,188,306.45	1	0.966183575	12,704,005.42	
149,457.57	523,101,509.02	1,419,846.95	\$29,816,786	2	0.9335107	488,320,856.05	2	0.9335107	27,834,288.79	2	0.9335107	18,428,252.47	
187,584.25	656,544,860.69	1,782,050.34	\$37,423,057	3	0.901942706	592,165,848.04	3	0.901942706	33,753,453.34	3	0.901942706	22,347,154.77	
219,562.60	768,469,092.52	2,085,844.68	\$43,802,738	4	0.871442228	669,676,417.90	4	0.871442228	38,171,555.82	4	0.871442228	25,272,248.66	
247,608.45	866,629,571.40	2,352,280.27	\$49,397,886	5	0.841973167	729,678,844.72	5	0.841973167	41,591,694.15	5	0.841973167	27,536,620.24	
272,863.62	955,026,141.49	2,592,204.41	\$54,436,293	6	0.813500644	776,911,564.78	6	0.813500644	44,283,959.19	6	0.813500644	29,319,088.63	
296,007.47	1,036,026,141.49	2,812,070.96	\$59,053,490	7	0.785909061	814,307,182.24	7	0.785909061	46,415,509.39	7	0.785909061	30,730,324.44	
317,482.71	1,111,189,498.79	3,016,085.78	\$63,337,801	8	0.759411556	843,850,146.52	8	0.759411556	48,099,458.35	8	0.759411556	31,845,216.83	
337,855.22	1,182,493,279.38	3,209,624.62	\$67,402,117	9	0.733730972	867,631,943.48	9	0.733730972	49,455,020.78	9	0.733730972	32,742,094.28	
357,088.34	1,249,809,188.25	3,392,339.23	\$71,239,124	10	0.708918814	886,013,247.10	10	0.708918814	50,502,755.08	10	0.708918814	33,436,367.92	
375,167.47	1,313,086,145.26	3,564,090.97	\$74,945,910	11	0.684945714	899,392,726.96	11	0.684945714	51,265,385.44	11	0.684945714	33,941,282.73	
392,161.85	1,372,566,486.61	3,725,537.61	\$78,236,290	12	0.661783298	908,341,576.63	12	0.661783298	51,775,469.87	12	0.661783298	34,278,994.42	
408,136.57	1,428,478,001.35	3,877,297.43	\$81,423,246	13	0.639404153	913,374,766.44	13	0.639404153	52,062,361.69	13	0.639404153	34,468,936.94	
423,604.45	1,480,336,727.34	4,074,242.27	\$84,459,088	14	0.61778179	919,709,277.56	14	0.61778179	52,062,361.69	14	0.61778179	34,468,936.94	
438,810.49	1,528,352,982.98	4,248,045.58	\$87,418,193	15	0.596890619	926,269,842.35	15	0.596890619	52,062,361.69	15	0.596890619	34,468,936.94	
453,446.06	1,573,352,582.98	4,408,045.58	\$90,367,489	16	0.576705912	932,029,910.10	16	0.576705912	52,062,361.69	16	0.576705912	34,468,936.94	
467,528.12	1,615,125,953.33	4,558,957.09	\$93,311,261	17	0.557203779	937,172,224.17	17	0.557203779	52,062,361.69	17	0.557203779	34,468,936.94	
481,129.42	1,654,403,339.39	4,700,403.39	\$96,260,448	18	0.53836114	941,791,228.18	18	0.53836114	52,062,361.69	18	0.53836114	34,468,936.94	
494,289.42	1,690,403,339.39	4,830,403.39	\$99,210,910	19	0.52015569	945,742,666.26	19	0.52015569	52,062,361.69	19	0.52015569	34,468,936.94	
507,014.81	1,723,568,848.25	4,948,848.25	\$102,161,261	20	0.502565884	949,484,552.20	20	0.502565884	52,062,361.69	20	0.502565884	34,468,936.94	
519,367.26	1,754,285,406.11	5,059,406.11	\$105,118,848	21	0.485570903	952,919,809.87	21	0.485570903	52,062,361.69	21	0.485570903	34,468,936.94	
531,367.26	1,782,848,626.42	5,165,165.42	\$108,074,911	22	0.469150631	956,129,677.22	22	0.469150631	52,062,361.69	22	0.469150631	34,468,936.94	
543,019.28	1,809,403,339.39	5,268,339.39	\$111,030,205	23	0.453285634	959,212,677.22	23	0.453285634	52,062,361.69	23	0.453285634	34,468,936.94	
554,328.12	1,834,430,608.68	5,365,430.68	\$113,977,361	24	0.437957134	962,165,128.51	24	0.437957134	52,062,361.69	24	0.437957134	34,468,936.94	
565,289.42	1,858,430,608.68	5,458,430.68	\$116,900,494	25	0.423146989	965,000,718.18	25	0.423146989	52,062,361.69	25	0.423146989	34,468,936.94	
575,843.43	1,881,430,608.68	5,548,430.68	\$119,800,944	26	0.408837671	967,744,041.88	26	0.408837671	52,062,361.69	26	0.408837671	34,468,936.94	
586,008.24	1,903,430,608.68	5,635,430.68	\$122,680,944	27	0.395012242	970,400,884.27	27	0.395012242	52,062,361.69	27	0.395012242	34,468,936.94	
596,784.60	1,924,430,608.68	5,719,430.68	\$125,540,944	28	0.38165434	972,980,727.22	28	0.38165434	52,062,361.69	28	0.38165434	34,468,936.94	
607,166.60	1,944,430,608.68	5,800,430.68	\$128,380,944	29	0.368748155	975,400,677.22	29	0.368748155	52,062,361.69	29	0.368748155	34,468,936.94	
617,166.60	1,963,430,608.68	5,879,430.68	\$131,200,944	30	0.356278411	977,744,041.88	30	0.356278411	52,062,361.69	30	0.356278411	34,468,936.94	
626,843.43	1,981,430,608.68	5,958,430.68	\$134,000,944	31	0.344230348	979,999,667.43	31	0.344230348	52,062,361.69	31	0.344230348	34,468,936.94	
636,166.60	1,998,430,608.68	6,037,430.68	\$136,780,944	32	0.332589709	982,165,128.51	32	0.332589709	52,062,361.69	32	0.332589709	34,468,936.94	
645,166.60	2,015,430,608.68	6,116,430.68	\$139,540,944	33	0.321342714	984,244,041.88	33	0.321342714	52,062,361.69	33	0.321342714	34,468,936.94	
653,843.43	2,032,430,608.68	6,195,430.68	\$142,280,944	34	0.310476052	986,244,041.88	34	0.310476052	52,062,361.69	34	0.310476052	34,468,936.94	
662,166.60	2,049,430,608.68	6,274,430.68	\$145,000,944	35	0.299976862	988,165,128.51	35	0.299976862	52,062,361.69	35	0.299976862	34,468,936.94	
670,166.60	2,066,430,608.68	6,353,430.68	\$147,700,944	36	0.289832717	989,999,667.43	36	0.289832717	52,062,361.69	36	0.289832717	34,468,936.94	
678,166.60	2,083,430,608.68	6,432,430.68	\$150,380,944	37	0.28003161	991,744,041.88	37	0.28003161	52,062,361.69	37	0.28003161	34,468,936.94	
685,843.43	2,100,430,608.68	6,511,430.68	\$153,040,944	38	0.270561942	993,400,677.22	38	0.270561942	52,062,361.69	38	0.270561942	34,468,936.94	
693,166.60	2,117,430,608.68	6,590,430.68	\$155,680,944	39	0.261412505	994,999,667.43	39	0.261412505	52,062,361.69	39	0.261412505	34,468,936.94	
700,166.60	2,134,430,608.68	6,669,430.68	\$158,300,944	40	0.252527468	996,520,677.22	40	0.252527468	52,062,361.69	40	0.252527468	34,468,936.94	
707,166.60	2,151,430,608.68	6,748,430.68	\$160,900,944	41	0.24403137	997,999,667.43	41	0.24403137	52,062,361.69	41	0.24403137	34,468,936.94	
714,166.60	2,168,430,608.68	6,827,430.68	\$163,480,944	42	0.23579102	999,400,677.22	42	0.23579102	52,062,361.69	42	0.23579102	34,468,936.94	
721,166.60	2,185,430,608.68	6,906,430.68	\$166,040,944	43	0.227805895	1,000,744,041.88	43	0.227805895	52,062,361.69	43	0.227805895	34,468,936.94	
728,166.60	2,202,430,608.68	6,985,430.68	\$168,580,944	44	0.22002314	1,002,029,677.22	44	0.22002314	52,062,361.69	44	0.22002314	34,468,936.94	
735,166.60	2,219,430,608.68	7,064,430.68	\$171,100,944	45	0.212659241	1,003,244,041.88	45	0.212659241	52,062,361.69	45	0.212659241	34,468,936.94	
742,166.60	2,236,430,608.68	7,143,430.68	\$173,600,944	46	0.205467866	1,004,380,944.27	46	0.205467866	52,062,361.69	46	0.205467866	34,468,936.94	
749,166.60	2,253,430,608.68	7,222,430.68	\$176,080,944	47	0.198519677	1,005,460,677.22	47	0.198519677	52,062,361.69	47	0.198519677	34,468,936.94	

Appendix A

Proposed Action - 250 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3,500	Condensate Production	Value/bbl \$21	NG Production	Natural Gas PV of LOP Production	Condensate PV of LOP Production	Discount Factor	Condensate	Discount Factor	Condensate PV of LOP Production	Labor Earnings	Discount Factor	Labor PV of LOP Labor
17,071.07	59,748,751.10	162,175.18	\$3,405,679	48	11,460,195.91	48	0.191806451	48	0.191806451	653,231.17	48	0.191806451	432,484.87
13,221.84	46,276,451.01	125,607.51	\$2,637,758	49	8,575,963.13	49	0.185320243	49	0.185320243	488,829.90	49	0.185320243	323,639.70
9,603.57	33,612,488.91	91,233.90	\$1,915,912	50	6,018,429.56	50	0.179053375	50	0.179053375	345,050.49	50	0.179053375	227,123.49
6,202.39	21,708,363.57	58,922.70	\$1,237,377	51	3,755,512.81	51	0.172998429	51	0.172998429	214,064.23	51	0.172998429	141,725.54
3,005.28	10,518,485.12	28,550.17	\$599,554	52	1,758,146.29	52	0.167148241	52	0.167148241	100,214.54	52	0.167148241	66,348.92
-	-	-	\$0	53	-	53	0.161495885	53	0.161495885	-	53	0.161495885	-
-	-	-	\$0	54	-	54	0.156034672	54	0.156034672	-	54	0.156034672	-
-	-	-	\$0	55	-	55	0.150758137	55	0.150758137	-	55	0.150758137	-
-	-	-	\$0	56	-	56	0.145660036	56	0.145660036	-	56	0.145660036	-
-	-	-	\$0	57	-	57	0.140734334	57	0.140734334	-	57	0.140734334	-
-	-	-	\$0	58	-	58	0.135975202	58	0.135975202	-	58	0.135975202	-
-	-	-	\$0	59	-	59	0.131377007	59	0.131377007	-	59	0.131377007	-
-	-	-	\$0	60	-	60	0.126934306	60	0.126934306	-	60	0.126934306	-
-	-	-	\$0	61	-	61	0.122641841	61	0.122641841	-	61	0.122641841	-
-	-	-	\$0	62	-	62	0.118494533	62	0.118494533	-	62	0.118494533	-
-	-	-	\$0	63	-	63	0.114487471	63	0.114487471	-	63	0.114487471	-
-	-	-	\$0	64	-	64	0.110615914	64	0.110615914	-	64	0.110615914	-
-	-	-	\$0	65	-	65	0.106875279	65	0.106875279	-	65	0.106875279	-
-	-	-	\$0	66	-	66	0.10326114	66	0.10326114	-	66	0.10326114	-
-	-	-	\$0	67	-	67	0.099769217	67	0.099769217	-	67	0.099769217	-
-	-	-	\$0	68	-	68	0.096395379	68	0.096395379	-	68	0.096395379	-
-	-	-	\$0	69	-	69	0.093135632	69	0.093135632	-	69	0.093135632	-
-	-	-	\$0	70	-	70	0.089986118	70	0.089986118	-	70	0.089986118	-
-	-	-	\$0	71	-	71	0.086943109	71	0.086943109	-	71	0.086943109	-
-	-	-	\$0	72	-	72	0.084003004	72	0.084003004	-	72	0.084003004	-
-	-	-	\$0	73	-	73	0.081162322	73	0.081162322	-	73	0.081162322	-
-	-	-	\$0	74	-	74	0.078417703	74	0.078417703	-	74	0.078417703	-
-	-	-	\$0	75	-	75	0.075765896	75	0.075765896	-	75	0.075765896	-
-	-	-	\$0	76	-	76	0.073203765	76	0.073203765	-	76	0.073203765	-
-	-	-	\$0	77	-	77	0.070728275	77	0.070728275	-	77	0.070728275	-
-	-	-	\$0	78	-	78	0.068336498	78	0.068336498	-	78	0.068336498	-
-	-	-	\$0	79	-	79	0.066025601	79	0.066025601	-	79	0.066025601	-
-	-	-	\$0	80	-	80	0.063792852	80	0.063792852	-	80	0.063792852	-
-	-	-	\$0	81	-	81	0.061635605	81	0.061635605	-	81	0.061635605	-
7,947,216.72	\$27,815,262,020	75,498,558.84	1,585,469,735.63		16,409,236,109					935,326,458			619,251,752

Appendix A



Appendix A

Alternative A - 75 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price/ MMCF \$/3,500	Condensate Production			Natural Gas			Condensate			Labor		
		Value/bbl \$/21	NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor		
31,754.86	111,142.01271	301,671.18	36,335.095	1	107,385,587.15	1	0.966183575	6,120,864.47	1	0.966183575	4,052,441.81		
47,095.65	166,894,765.94	453,108.65	\$9,415,282	2	155,835,390.27	2	0.9335107	8,882,617.25	2	0.9335107	5,880,915.96		
59,855.47	209,984,157.81	568,627.00	\$11,941,167	3	188,951,727.52	3	0.901942706	10,770,248.47	3	0.901942706	7,130,660.29		
70,048.30	245,169,044.01	665,458.83	\$13,974,636	4	213,650,657.88	4	0.871442228	12,178,087.50	4	0.871442228	8,062,748.53		
78,984.72	276,446,533.41	750,354.88	\$15,757,452	5	232,760,563.20	5	0.841973167	13,267,352.10	5	0.841973167	8,783,918.13		
87,030.25	304,005,884.36	826,787.40	\$17,362,535	6	247,797,083.18	6	0.813500644	14,124,433.74	6	0.813500644	9,351,366.33		
94,402.11	330,407,377.85	896,820.03	\$18,833,221	7	259,697,212.33	7	0.785990961	14,802,741.10	7	0.785990961	9,800,453.40		
101,241.75	354,346,114.42	961,796.60	\$20,197,729	8	269,094,534.19	8	0.759411556	15,338,388.45	8	0.759411556	10,155,089.53		
107,740.56	377,091,964.68	1,023,535.33	\$21,494,242	9	276,684,053.85	9	0.733730972	15,770,901.07	9	0.733730972	10,441,502.82		
113,879.34	398,577,678.94	1,081,853.70	\$22,718,928	10	282,559,215.32	10	0.708918814	16,105,875.27	10	0.708918814	10,663,219.67		
119,049.79	418,774,251.42	1,136,672.97	\$23,870,132	11	286,837,628.53	11	0.684945714	16,349,744.83	11	0.684945714	10,824,678.43		
125,074.01	437,759,030.53	1,188,203.08	\$24,952,265	12	289,701,615.08	12	0.661783298	16,512,992.06	12	0.661783298	10,932,759.55		
130,172.78	455,004,721.22	1,236,641.39	\$25,969,469	13	291,315,550.85	13	0.639404153	16,604,986.40	13	0.639404153	10,993,666.26		
134,965.62	472,379,670.21	1,282,173.39	\$26,925,641	14	291,827,538.35	14	0.61778179	16,634,170.83	14	0.61778179	11,012,988.40		
139,470.89	488,148,122.10	1,324,973.47	\$27,824,443	15	291,371,034.58	15	0.596890619	16,608,148.97	15	0.596890619	10,995,760.10		
143,705.85	502,970,466.67	1,365,205.55	\$28,669,317	16	290,066,041.55	16	0.576705912	16,533,764.37	16	0.576705912	10,946,512.28		
147,866.71	516,903,469.22	1,403,023.70	\$29,463,498	17	288,020,566.65	17	0.557203779	16,417,172.30	17	0.557203779	10,869,320.14		
151,428.71	530,000,491.52	1,438,572.76	\$30,210,028	18	285,331,668.58	18	0.53836114	16,263,905.11	18	0.53836114	10,767,846.51		
154,946.20	542,311,692.01	1,471,988.80	\$30,911,766	19	283,311,668.58	19	0.52015569	16,078,931.22	19	0.52015569	10,645,380.81		
158,252.63	553,884,219.80	1,503,400.03	\$31,571,401	20	282,086,512.56	20	0.502565884	15,876,708.83	20	0.502565884	10,504,874.70		
161,360.68	564,762,395.47	1,532,926.50	\$32,191,457	21	274,232,186.26	21	0.485570903	15,631,234.62	21	0.485570903	10,348,974.24		
164,282.25	574,887,880.61	1,560,681.39	\$32,774,309	22	269,755,926.87	22	0.469150631	15,376,087.83	22	0.469150631	10,180,049.17		
167,028.52	584,599,836.32	1,586,770.98	\$33,322,191	23	264,990,707.20	23	0.453285634	15,104,470.31	23	0.453285634	10,000,219.31		
169,610.02	593,635,079.29	1,611,295.20	\$33,837,199	24	259,986,715.71	24	0.437975134	14,819,242.80	24	0.437975134	9,811,378.68		
172,036.63	602,128,197.96	1,634,347.97	\$34,321,307	25	254,788,734.12	25	0.423146989	14,522,957.84	25	0.423146989	9,615,217.25		
174,317.64	610,111,734.25	1,656,017.56	\$34,776,369	26	249,436,660.35	26	0.408837671	14,217,889.64	26	0.408837671	9,413,240.69		
176,461.79	617,016,258.57	1,676,386.99	\$35,204,127	27	243,965,983.19	27	0.395012242	13,906,061.04	27	0.395012242	9,206,788.27		
180,371.86	631,301,509.14	1,713,532.67	\$35,984,186	28	238,408,212.09	28	0.38165434	13,589,268.09	28	0.38165434	8,997,049.11		
182,152.76	637,334,646.89	1,730,451.18	\$36,339,475	29	232,791,266.73	29	0.368748155	13,269,102.20	29	0.368748155	8,785,076.82		
183,826.80	643,393,796.14	1,746,354.59	\$36,673,446	30	227,139,830.70	30	0.356278411	12,946,970.35	30	0.356278411	8,571,802.93		
185,400.40	648,901,396.65	1,761,303.79	\$36,987,380	31	221,475,670.61	31	0.344230348	12,624,113.22	31	0.344230348	8,358,048.86		
186,879.58	654,078,541.29	1,775,356.04	\$37,282,477	32	215,817,926.43	32	0.332589709	12,301,621.81	32	0.332589709	8,144,536.91		
188,270.02	658,945,057.37	1,788,565.16	\$37,559,868	33	210,183,373.38	33	0.321342714	11,980,452.28	33	0.321342714	7,931,900.14		
189,577.02	663,519,582.67	1,800,981.72	\$37,820,616	34	204,586,659.78	34	0.310476052	11,661,439.61	34	0.310476052	7,720,091.37		
190,805.61	667,819,636.67	1,812,653.30	\$38,065,719	35	193,555,979.48	35	0.299976862	11,345,309.76	35	0.299976862	7,511,391.22		
191,960.48	671,861,687.41	1,823,624.58	\$38,296,116	36	188,145,510.17	36	0.289832717	11,032,690.83	36	0.289832717	7,304,415.55		
193,046.06	675,061,215.45	1,833,937.58	\$38,512,689	37	182,590,034.84	37	0.28003161	10,724,123.08	37	0.28003161	7,100,122.05		
194,066.51	679,232,771.92	1,843,631.81	\$38,716,268	38	177,559,940.10	38	0.270561942	10,420,068.01	38	0.270561942	6,898,816.26		
195,025.72	682,590,034.84	1,852,744.38	\$38,907,632	39	172,403,449.86	39	0.261412505	10,120,916.59	39	0.261412505	6,700,357.02		
195,025.72	682,590,034.84	1,852,744.38	\$38,907,632	40	166,573,381.51	40	0.252527468	9,826,996.64	40	0.252527468	6,506,161.39		
195,025.72	682,590,034.84	1,852,744.38	\$38,907,632	41	160,940,465.23	41	0.24403137	9,494,682.75	41	0.24403137	6,286,146.27		
195,025.72	682,590,034.84	1,852,744.38	\$38,907,632	42	155,173,200	42	0.235779102	9,173,606.52	42	0.235779102	6,073,571.28		
163,270.86	571,448,022.13	1,551,073.20	\$32,572,537	43	130,179,228.32	43	0.227805895	7,420,216.01	43	0.227805895	4,912,703.72		
147,330.08	515,655,268.90	1,399,635.73	\$29,392,350	44	113,496,918.09	44	0.220102314	6,469,324.33	44	0.220102314	4,283,146.69		
135,170.25	473,095,877.03	1,284,117.38	\$26,966,465	45	100,608,210.08	45	0.212659241	5,734,667.97	45	0.212659241	3,796,352.63		
124,977.43	437,420,990.83	1,187,285.55	\$24,932,996	46	89,875,957.36	46	0.205467866	5,122,929.57	46	0.205467866	3,391,738.88		
116,041.00	406,143,501.43	1,102,389.50	\$23,150,180	47	80,627,476.69	47	0.198519677	4,595,766.17	47	0.198519677	3,042,719.72		

Appendix A

Alternative A - 75 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price/ MMCF \$/3,500	Condensate Production	Value/bbl \$/21	NG Production	Natural Gas			Condensate			Labor	
					PV of LOP Production	Discount Factor	Condensate	PV of LOP Production	Discount Factor	Condensate	Labor Earnings	Discount Factor
107,995.47	377,984.150.48	1,025,956.98	\$21,545,097	48	0.191806451	72,499,798.49	48	0.191806451	4,132,488.51	48	0.191806451	2,735,997.40
100,023.62	352,182,656.99	955,924.35	\$20,074,411	49	0.185320243	65,266,575.45	49	0.185320243	3,720,194.80	49	0.185320243	2,463,030.02
93,783.98	328,243,920.42	890,947.78	\$18,709,903	50	0.179053375	58,773,181.62	50	0.179053375	3,350,071.35	50	0.179053375	2,217,982.33
87,285.16	305,998,070.16	829,209.05	\$17,413,390	51	0.172998429	52,850,686.35	51	0.172998429	3,012,489.12	51	0.172998429	1,994,479.20
81,146.39	284,012,355.90	770,890.68	\$16,188,704	52	0.167148241	47,472,165.73	52	0.167148241	2,705,913.45	52	0.167148241	1,791,504.59
75,375.94	263,815,783.42	716,071.41	\$15,037,500	53	0.161495885	42,605,163.44	53	0.161495885	2,428,494.32	53	0.161495885	1,607,833.66
69,951.72	244,831,004.31	664,541.30	\$13,955,367	54	0.156034672	38,202,125.35	54	0.156034672	2,177,521.14	54	0.156034672	1,441,071.81
64,852.95	226,885,313.61	616,102.99	\$12,938,163	55	0.150758137	34,219,882.96	55	0.150758137	1,950,533.33	55	0.150758137	1,291,389.94
60,060.10	210,210,364.63	570,570.99	\$11,981,991	56	0.145660036	30,619,249.18	56	0.145660036	1,745,297.20	56	0.145660036	1,155,509.23
55,554.83	194,441,912.73	527,770.91	\$11,083,189	57	0.140734334	27,364,653.06	57	0.140734334	1,559,785.22	57	0.140734334	1,032,087.28
47,339.02	165,086,505.62	449,720.68	\$9,444,134	58	0.135975202	24,423,807.03	58	0.135975202	1,392,157.00	58	0.135975202	921,705.63
43,897.01	152,889,543.31	414,171.62	\$8,697,604	60	0.131377007	19,368,847.76	60	0.131377007	1,104,024.32	60	0.131377007	821,458.33
40,079.53	140,278,342.83	380,755.50	\$7,995,866	61	0.126934306	17,203,994.28	61	0.126934306	980,627.67	61	0.126934306	649,344.34
36,773.09	128,705,815.03	349,344.36	\$7,336,231	62	0.122641841	15,250,935.42	62	0.122641841	869,303.32	62	0.122641841	575,539.80
33,665.04	117,827,639.36	319,817.88	\$6,716,175	63	0.118494533	13,489,788.48	63	0.118494533	768,917.94	63	0.118494533	509,077.64
30,743.47	107,002,154.23	292,062.99	\$6,133,323	64	0.114487471	11,902,510.67	64	0.114487471	678,443.11	64	0.114487471	449,176.95
27,997.20	97,990,198.52	265,973.40	\$5,585,441	65	0.110615914	10,472,729.85	65	0.110615914	596,945.60	65	0.110615914	395,219.88
25,415.70	88,954,960.55	241,449.18	\$5,070,433	66	0.106875279	9,185,590.60	66	0.106875279	523,578.66	66	0.106875279	346,045.82
22,989.10	80,461,836.87	218,396.41	\$4,586,325	67	0.099769217	8,027,614.46	67	0.099769217	457,574.02	67	0.099769217	302,946.11
20,708.09	72,478,300.59	196,726.82	\$4,131,263	68	0.096395379	6,986,573.24	68	0.096395379	398,234.67	68	0.096395379	263,659.30
18,563.94	64,973,776.26	176,337.39	\$3,703,505	69	0.093135632	6,051,373.69	69	0.093135632	344,928.30	69	0.093135632	228,366.74
16,548.44	57,919,523.18	157,210.13	\$3,301,413	70	0.089986118	5,211,953.02	70	0.089986118	297,081.32	70	0.089986118	196,688.68
14,653.86	51,888,525.69	139,211.71	\$2,923,446	71	0.086943109	4,459,183.87	71	0.086943109	254,173.48	71	0.086943109	168,280.68
12,872.97	45,055,387.95	122,293.20	\$2,568,157	72	0.084003004	3,784,787.92	72	0.084003004	215,732.91	72	0.084003004	142,830.33
11,198.93	39,196,238.70	106,389.79	\$2,234,186	73	0.081162322	3,181,257.76	73	0.081162322	181,331.69	73	0.081162322	120,054.31
9,625.33	33,688,638.19	91,440.59	\$1,920,252	74	0.078417703	2,641,785.61	74	0.078417703	150,581.78	74	0.078417703	99,095.71
8,146.14	28,511,493.55	77,388.34	\$1,625,155	75	0.075765896	2,160,198.87	75	0.075765896	123,131.34	75	0.075765896	81,521.58
6,755.71	23,644,977.47	64,179.22	\$1,347,764	76	0.073203765	1,730,901.36	76	0.073203765	98,661.38	76	0.073203765	65,320.76
5,448.70	19,070,452.17	51,762.66	\$1,087,016	77	0.070728275	1,348,820.18	77	0.070728275	76,882.75	77	0.070728275	50,901.78
4,220.11	14,770,398.17	40,091.08	\$841,913	78	0.068336498	1,009,357.28	78	0.068336498	57,533.36	78	0.068336498	38,091.12
3,065.24	10,728,347.43	29,119.80	\$611,516	79	0.066025601	708,345.59	79	0.066025601	40,375.70	79	0.066025601	26,731.55
1,979.66	6,928,819.38	18,806.80	\$394,943	80	0.063792852	442,009.15	80	0.063792852	25,194.52	80	0.063792852	16,680.54
959.22	3,357,262.91	9,112.57	\$191,364	81	0.061635605	206,926.93	81	0.061635605	11,794.84	81	0.061635605	7,809.01
8,191,080.42	\$28,698,784.963	77,815,263.97	1,634,120,543.40	81	0.061635605	11,093,597.797	81	0.061635605	632,335.074	81	0.061635605	418,650.194

Appendix A

Alternative A - 150 Wells/Year Development Rate

MMCF Natural Gas		Condensate Production		Value/bbl		Natural Gas		Condensate		Labor	
Total Production for Year	Price / MMCF \$3-500	MMCF	\$/MMCF	\$/bbl	\$/bbl	\$/bbl	\$/bbl	\$/bbl	\$/bbl	\$/bbl	\$/bbl
Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year
1	2	1	2	1	2	1	2	1	2	1	2
63,509.27	222,282,436.83	603,338.04	\$12,670,099	0.966183575	214,765,639.45	0.966183575	12,241,641.45	0.966183575	12,241,641.45	0.966183575	8,104,825.70
95,390.61	333,867,145.83	906,210.82	\$19,030,427	0.9335107	311,668,353.13	0.9335107	17,765,107.53	0.9335107	17,765,107.53	0.9335107	11,761,477.86
119,710.09	418,985,321.27	1,137,245.87	\$23,882,163	0.901942706	377,900,754.30	0.901942706	21,540,243.00	0.901942706	21,540,243.00	0.901942706	14,261,218.67
140,095.60	490,334,583.75	1,330,908.16	\$27,949,071	0.871442228	427,298,261.98	0.871442228	24,356,000.93	0.871442228	24,356,000.93	0.871442228	16,125,381.81
157,968.32	552,889,115.50	1,500,699.03	\$31,514,680	0.841973167	465,517,799.50	0.841973167	26,534,514.57	0.841973167	26,534,514.57	0.841973167	17,567,710.72
174,059.26	609,207,414.90	1,653,562.98	\$34,724,823	0.813500644	495,590,624.54	0.813500644	28,248,665.60	0.813500644	28,248,665.60	0.813500644	18,702,598.99
188,802.87	660,810,033.09	1,793,627.23	\$37,666,172	0.785990961	519,390,712.74	0.785990961	29,605,270.63	0.785990961	29,605,270.63	0.785990961	19,600,766.72
202,482.05	708,687,164.08	1,923,579.45	\$40,395,168	0.759411556	538,185,222.14	0.759411556	30,676,357.66	0.759411556	30,676,357.66	0.759411556	20,310,033.91
215,479.58	754,178,539.47	2,047,056.04	\$42,988,177	0.733730972	553,164,152.97	0.733730972	31,541,756.72	0.733730972	31,541,756.72	0.733730972	20,882,856.40
227,757.05	797,149,660.89	2,163,691.94	\$45,437,531	0.708918814	565,114,391.95	0.708918814	32,211,520.34	0.708918814	32,211,520.34	0.708918814	21,326,286.92
239,297.86	837,542,517.19	2,273,329.69	\$47,739,923	0.684945714	573,671,157.21	0.684945714	32,699,255.96	0.684945714	32,699,255.96	0.684945714	21,649,202.13
250,146.23	875,511,804.05	2,376,389.18	\$49,904,173	0.661783298	579,399,089.37	0.661783298	33,025,748.09	0.661783298	33,025,748.09	0.661783298	21,865,362.83
260,343.69	911,202,930.37	2,473,265.10	\$51,938,567	0.639404153	582,626,937.84	0.639404153	33,209,735.46	0.639404153	33,209,735.46	0.639404153	21,987,175.38
269,929.31	944,752,588.57	2,564,328.45	\$53,850,898	0.617781719	583,650,945.53	0.617781719	33,268,103.90	0.617781719	33,268,103.90	0.617781719	22,025,819.38
278,939.79	976,289,266.98	2,649,928.01	\$55,648,488	0.596890619	582,737,904.52	0.596890619	33,216,060.56	0.596890619	33,216,060.56	0.596890619	21,991,163.04
287,409.64	1,005,933,744.25	2,730,391.59	\$57,338,223	0.576705912	580,127,937.10	0.576705912	33,067,292.41	0.576705912	33,067,292.41	0.576705912	21,893,868.09
295,371.30	1,033,799,550.20	2,806,027.35	\$58,926,574	0.557203779	576,037,016.55	0.557203779	32,834,109.94	0.557203779	32,834,109.94	0.557203779	21,738,484.93
302,855.26	1,059,993,407.61	2,877,124.96	\$60,419,624	0.53836114	570,659,258.84	0.53836114	32,527,577.75	0.53836114	32,527,577.75	0.53836114	21,535,539.11
309,890.18	1,084,615,632.60	2,943,956.72	\$61,823,091	0.52015569	564,168,993.18	0.52015569	32,157,632.61	0.52015569	32,157,632.61	0.52015569	21,290,609.46
316,503.01	1,107,760,522.79	3,006,778.56	\$63,142,350	0.502565884	556,722,646.87	0.502565884	31,733,190.87	0.502565884	31,733,190.87	0.502565884	21,009,599.25
322,719.06	1,129,516,718.65	3,065,831.09	\$64,382,453	0.48570903	548,460,452.84	0.48570903	31,262,545.81	0.48570903	31,262,545.81	0.48570903	20,697,800.57
328,664.05	1,151,167,181.65	3,119,558.51	\$65,578,051	0.469150631	543,224,052.59	0.469150631	24,807,771.00	0.469150631	24,807,771.00	0.469150631	16,424,485.30
334,505.89	1,172,511,084.68	3,175,183.48	\$66,734,778	0.453283634	538,640,446.08	0.453283634	21,582,305.43	0.453283634	21,582,305.43	0.453283634	14,289,133.15
340,342.27	1,193,764,442	3,229,008.46	\$67,871,478	0.437957134	536,472,104.92	0.437957134	19,178,909.98	0.437957134	19,178,909.98	0.437957134	12,697,784.30
346,178.56	1,214,930,254	3,280,693.03	\$68,993,561	0.423146989	532,090,223.63	0.423146989	17,219,142.75	0.423146989	17,219,142.75	0.423146989	11,400,280.86
352,015.21	1,236,012,449	3,330,037.56	\$70,097,561	0.408837671	527,827,857.26	0.408837671	15,551,487.88	0.408837671	15,551,487.88	0.408837671	10,295,977.68
357,859.45	1,257,010,244	3,378,187.03	\$71,183,928	0.395012242	524,284,092.24	0.395012242	14,095,193.26	0.395012242	14,095,193.26	0.395012242	9,332,007.08
363,703.69	1,277,928,039	3,424,170.82	\$72,259,758	0.38165434	520,461,999.24	0.38165434	12,802,883.96	0.38165434	12,802,883.96	0.38165434	8,476,407.63
369,547.93	1,298,766,834	3,469,178.75	\$73,326,054	0.368748155	516,578,883.47	0.368748155	11,642,370.95	0.368748155	11,642,370.95	0.368748155	7,708,066.58
375,392.17	1,319,525,629	3,513,243.70	\$74,383,838	0.356278411	513,074,746.37	0.356278411	10,577,996.36	0.356278411	10,577,996.36	0.356278411	7,003,375.90
381,236.41	1,340,204,424	3,556,318.63	\$75,430,622	0.344230348	509,645,070.10	0.344230348	9,607,069.00	0.344230348	9,607,069.00	0.344230348	6,360,533.86
387,080.65	1,360,803,219	3,598,393.56	\$76,469,406	0.333289709	506,388,885.15	0.333289709	8,725,260.54	0.333289709	8,725,260.54	0.333289709	5,776,734.78
392,924.89	1,381,322,014	3,639,468.49	\$77,499,190	0.3231342714	503,204,403.63	0.3231342714	7,924,391.01	0.3231342714	7,924,391.01	0.3231342714	5,246,502.94
398,769.13	1,401,770,809	3,679,543.42	\$78,519,974	0.3130476052	500,104,622.00	0.3130476052	7,197,031.31	0.3130476052	7,197,031.31	0.3130476052	4,764,939.78
404,613.37	1,422,149,604	3,718,618.35	\$79,530,758	0.299976862	497,093,885.15	0.299976862	6,536,434.11	0.299976862	6,536,434.11	0.299976862	4,327,578.08
410,457.61	1,442,548,399	3,757,693.28	\$80,541,542	0.289832717	494,186,622.00	0.289832717	5,936,471.45	0.289832717	5,936,471.45	0.289832717	3,930,360.70
416,301.85	1,462,957,194	3,796,768.21	\$81,542,326	0.28003161	491,379,084.99	0.28003161	5,391,577.84	0.28003161	5,391,577.84	0.28003161	3,569,602.89
422,146.09	1,483,376,989	3,835,843.14	\$82,534,110	0.270561942	488,671,622.00	0.270561942	4,896,698.68	0.270561942	4,896,698.68	0.270561942	3,241,938.15
428,090.33	1,503,806,784	3,874,918.07	\$83,515,894	0.261412505	486,060,388.15	0.261412505	4,447,243.21	0.261412505	4,447,243.21	0.261412505	2,944,387.09
434,034.57	1,524,246,579	3,914,093.00	\$84,487,678	0.252724668	483,542,150.10	0.252724668	4,039,042.12	0.252724668	4,039,042.12	0.252724668	2,674,129.33
440,078.81	1,544,696,374	3,953,267.93	\$85,450,462	0.24403137	481,124,885.15	0.24403137	3,580,155.64	0.24403137	3,580,155.64	0.24403137	2,370,552.62
446,123.05	1,565,156,169	3,992,442.86	\$86,403,246	0.235779102	478,808,650.10	0.235779102	3,167,044.94	0.235779102	3,167,044.94	0.235779102	2,096,806.03
452,167.29	1,585,625,964	4,031,617.79	\$87,346,030	0.227805895	476,501,415.15	0.227805895	2,794,394.21	0.227805895	2,794,394.21	0.227805895	1,850,085.06
458,211.53	1,606,105,759	4,070,792.72	\$88,278,814	0.220102314	474,294,180.20	0.220102314	2,458,719.55	0.220102314	2,458,719.55	0.220102314	1,627,844.88
464,255.77	1,626,595,554	4,110,967.65	\$89,201,608	0.212659241	472,187,945.25	0.212659241	2,156,533.35	0.212659241	2,156,533.35	0.212659241	1,427,776.41
470,300.01	1,647,095,349	4,151,142.58	\$90,115,402	0.205467866	470,181,710.30	0.205467866	1,884,017.23	0.205467866	1,884,017.23	0.205467866	1,247,784.61
476,344.25	1,667,605,144	4,191,317.51	\$91,019,196	0.198519677	468,275,475.35	0.198519677	1,640,262.32	0.198519677	1,640,262.32	0.198519677	1,085,988.76
482,388.49	1,688,115,939	4,231,492.44	\$91,923,990	0.191806451	466,469,240.40	0.191806451	1,420,702.24	0.191806451	1,420,702.24	0.191806451	940,604.58
488,432.73	1,708,625,734	4,271,667.37	\$92,828,784	0.185212126	464,671,005.45	0.185212126		0.185212126		0.185212126	
494,476.97	1,729,135,529	4,311,842.30	\$93,733,578								
500,521.21	1,750,645,324	4,352,017.23	\$94,638,372								
506,565.45	1,772,155,119	4,392,192.16	\$95,543,166								
512,609.69	1,793,664,924	4,432,367.09	\$96,447,960								
518,653.93	1,815,174,719	4,472,542.02	\$97,352,754								
524,698.17	1,836,684,514	4,512,716.95	\$98,257,548								
530,742.41	1,858,194,309	4,552,891.88	\$99,162,342								
536,786.65	1,879,704,104	4,593,066.81	\$100,067,136								
542,830.89	1,901,213,899	4,633,241.74	\$100,971,930								
548,875.13	1,922,723,694	4,673,416.67	\$101,876,724								
554,919.37	1,944,233,489	4,713,591.60	\$102,781,518								
560,963.61	1,965,743,284	4,753,766.53	\$103,686,312								
567,007.85	1,987,253,079	4,793,941.46	\$104,591,106								
573,052.09	2,008,762,874	4,834,116.39	\$105,495,900								
579,096.33	2,030,272,669	4,874,291.32	\$106,400,694								
585,140.57	2,051,782,464	4,914,466.25	\$107,305,488								
591,184.81	2,073,292,259	4,954,641.18	\$108,210,282								
597,229.05	2,094,802,054	4,994,816.11	\$109,115,076		</						

Appendix A

Alternative A - 150 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$/3,500	Condensate Production		Natural Gas		Condensate		Labor Earnings	Discount Factor	PV of LOP Labor
		Value/bbl \$/1	\$/1	\$/1	\$/1	\$/1	\$/1			
33,096.63	115,838,218.50	314,418.02	\$6,602,778	49	0.185320243	21,467,166.76	49	0.185320243	0.185320243	810,127.94
29,307.52	102,576,318.31	278,421.44	\$5,846,850	50	0.179053375	18,366,635.94	50	0.179053375	0.179053375	693,120.11
25,745.75	90,110,131.90	244,584.64	\$5,136,278	51	0.172998429	15,588,911.30	51	0.172998429	0.172998429	588,294.33
22,397.69	78,391,917.15	212,778.06	\$4,468,339	52	0.167148241	13,105,071.07	52	0.167148241	0.167148241	494,483.70
19,250.51	67,376,794.85	182,879.87	\$3,840,477	53	0.161495885	10,881,075.12	53	0.161495885	0.161495885	410,630.01
16,292.17	57,022,579.58	154,775.57	\$3,250,287	54	0.156034672	8,897,499.48	54	0.156034672	0.156034672	335,773.84
13,511.32	47,289,616.97	128,357.53	\$2,695,508	55	0.150758137	7,129,294.54	55	0.150758137	0.150758137	269,045.32
10,897.32	38,140,631.76	103,524.57	\$2,174,016	56	0.145660036	5,555,565.78	56	0.145660036	0.145660036	209,655.94
8,440.17	29,540,585.23	80,181.59	\$1,683,813	57	0.140734334	4,157,374.58	57	0.140734334	0.140734334	156,891.00
6,130.44	21,456,541.51	58,239.18	\$1,223,023	58	0.135975202	2,917,557.56	58	0.135975202	0.135975202	110,102.79
3,959.30	13,857,539.73	37,613.32	\$789,880	59	0.131377007	1,820,562.09	59	0.131377007	0.131377007	68,704.37
1,918.42	6,714,477.84	18,225.01	\$382,725	60	0.126934306	852,297.58	60	0.126934306	0.126934306	32,164.01
-	-	-	\$0	61	0.122641841	-	61	0.122641841	0.122641841	-
-	-	-	\$0	62	0.118494533	-	62	0.118494533	0.118494533	-
-	-	-	\$0	63	0.114487471	-	63	0.114487471	0.114487471	-
-	-	-	\$0	64	0.110615914	-	64	0.110615914	0.110615914	-
-	-	-	\$0	65	0.106875279	-	65	0.106875279	0.106875279	-
-	-	-	\$0	66	0.10326114	-	66	0.10326114	0.10326114	-
-	-	-	\$0	67	0.099769217	-	67	0.099769217	0.099769217	-
-	-	-	\$0	68	0.096395379	-	68	0.096395379	0.096395379	-
-	-	-	\$0	69	0.093135632	-	69	0.093135632	0.093135632	-
-	-	-	\$0	70	0.089986118	-	70	0.089986118	0.089986118	-
-	-	-	\$0	71	0.086943109	-	71	0.086943109	0.086943109	-
-	-	-	\$0	72	0.084003004	-	72	0.084003004	0.084003004	-
-	-	-	\$0	73	0.081162322	-	73	0.081162322	0.081162322	-
-	-	-	\$0	74	0.078417703	-	74	0.078417703	0.078417703	-
-	-	-	\$0	75	0.075765896	-	75	0.075765896	0.075765896	-
-	-	-	\$0	76	0.073203765	-	76	0.073203765	0.073203765	-
-	-	-	\$0	77	0.070728275	-	77	0.070728275	0.070728275	-
-	-	-	\$0	78	0.068336498	-	78	0.068336498	0.068336498	-
-	-	-	\$0	79	0.066025601	-	79	0.066025601	0.066025601	-
-	-	-	\$0	80	0.063792852	-	80	0.063792852	0.063792852	-
-	-	-	\$0	81	0.061635605	-	81	0.061635605	0.061635605	-
8,191,021.88	\$28,668,580,078	77,814,707.85	1,634,108,864.94			14,935,023,962		851,296,366		563,617,934



Appendix A

Alternative A - 250 Wells/Year Development Rate

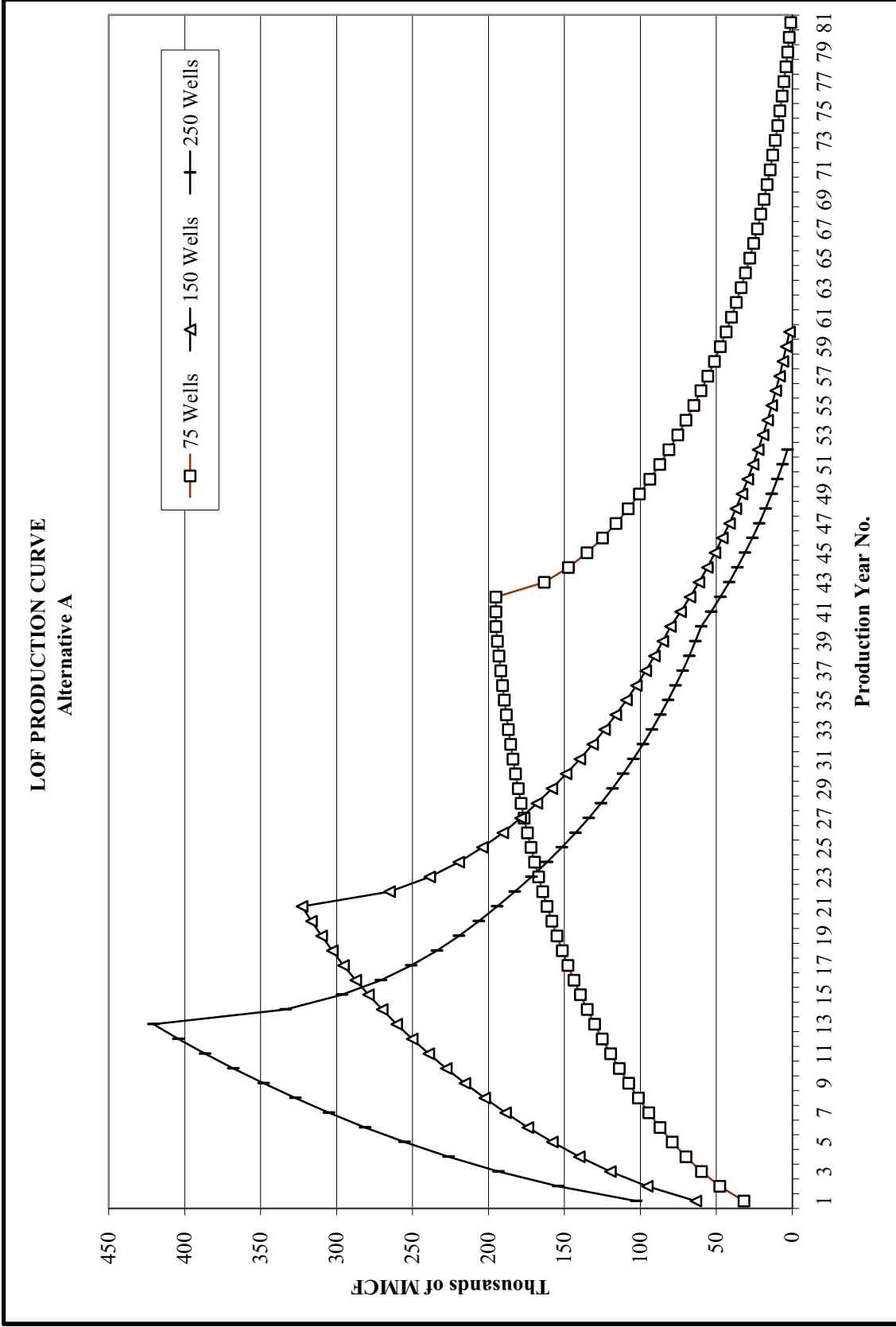
Total Production for Year	MMCF Natural Gas		Condensate Production		Value/bbl		Natural Gas		Condensate		Labor	
	Price: \$3.50	MMCF	Condensate Production	Value/bbl	NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor
102,579.32	359,027,637.20	974,503.59	\$20,464,575	1	346,886,605.99	0.966183575	19,772,536.54	1	0.966183575	1	0.966183575	13,090,806.74
154,075.65	539,257,775.91	1,463,699.68	\$30,737,693	2	503,402,904.06	0.9335107	28,693,965.53	2	0.9335107	2	0.9335107	18,997,418.79
193,541.15	676,739,521.41	1,836,864.42	\$38,574,153	3	610,380,274.97	0.901942706	34,791,675.67	3	0.901942706	3	0.901942706	23,034,530.82
226,280.54	791,981,901.74	2,149,665.16	\$45,142,968	4	690,166,472.75	0.871442228	39,339,488.95	4	0.871442228	4	0.871442228	26,045,502.35
255,148.33	893,019,149.89	2,423,909.12	\$50,902,092	5	751,898,161.69	0.841973167	42,858,195.22	5	0.841973167	5	0.841973167	28,375,132.83
281,138.21	983,993,718.45	2,670,812.95	\$56,087,072	6	800,471,388.95	0.813500644	45,626,869.17	6	0.813500644	6	0.813500644	30,280,189.28
304,951.88	1,067,331,581.41	2,897,042.86	\$60,837,900	7	838,912,975.04	0.785990961	47,818,939.58	7	0.785990961	7	0.785990961	31,658,897.85
327,046.31	1,144,662,086.96	3,106,639.95	\$65,245,739	8	869,269,616.80	0.759411556	49,548,568.16	8	0.759411556	8	0.759411556	32,804,496.80
348,039.76	1,218,139,151.79	3,306,377.70	\$69,433,932	9	912,765,533.91	0.733730972	50,945,826.17	9	0.733730972	9	0.733730972	33,729,712.07
367,870.15	1,287,545,535.90	3,494,766.45	\$73,290,096	10	926,586,027.41	0.708918814	52,027,619.47	10	0.708918814	10	0.708918814	34,465,503.15
386,510.73	1,352,787,540.45	3,671,851.90	\$77,108,890	11	935,837,707.30	0.684945714	52,815,403.56	11	0.684945714	11	0.684945714	34,967,593.50
404,032.87	1,414,115,027.86	3,838,312.22	\$80,604,557	12	941,051,285.24	0.661783298	53,342,749.32	12	0.661783298	12	0.661783298	35,316,643.40
420,503.67	1,471,762,860.66	3,994,784.91	\$83,890,483	13	945,051,285.24	0.639804153	53,639,923.26	13	0.639804153	13	0.639804153	35,513,393.40
433,406.91	1,526,924,185.42	4,167,365.65	\$86,514,679	14	949,454,442.02	0.61778179	54,091,557.21	14	0.61778179	14	0.61778179	35,679,494.49
446,259.57	1,584,031,200.59	4,342,227.79	\$89,034,451	15	954,352,609.69	0.596890619	54,386,611.4	15	0.596890619	15	0.596890619	35,800,619.19
459,092.23	1,642,426,81.77	4,527,327.79	\$91,418,794	16	958,735,449.77	0.576705912	54,657,059.12	16	0.576705912	16	0.576705912	35,898,694.86
471,920.25	1,701,989,61.61	4,718,389.61	\$93,844,451	17	962,607,027.07	0.557203779	54,913,527.98	17	0.557203779	17	0.557203779	35,957,337.73
484,749.46	1,762,833,11.77	4,914,889.72	\$96,486,882	18	966,054,442.02	0.53836114	55,134,403.20	18	0.53836114	18	0.53836114	35,987,387.73
497,576.57	1,826,499.68	5,118,499.68	\$99,343,943	19	969,142,931.50	0.52015569	55,326,571.09	19	0.52015569	19	0.52015569	35,998,886.10
510,406.06	1,892,302.52	5,332,522.52	\$102,387,763	20	971,835,334.33	0.502565884	55,494,420.26	20	0.502565884	20	0.502565884	35,999,444.44
523,235.06	1,961,169.94	5,564,838.56	\$105,618,794	21	974,226,811.4	0.485570903	55,639,974.98	21	0.485570903	21	0.485570903	35,980,886.10
536,064.33	2,032,639.94	5,809,993.94	\$109,089,68	22	976,354,226.81	0.469150631	55,766,620.26	22	0.469150631	22	0.469150631	35,954,444.44
548,893.60	2,107,170.71	6,064,838.56	\$112,809,27	23	978,118,118	0.453285634	55,878,611.4	23	0.453285634	23	0.453285634	35,914,444.44
561,722.87	2,184,226.81	6,330,259.91	\$116,920,23	24	979,554,226.81	0.437957134	55,971,554	24	0.437957134	24	0.437957134	35,863,337.73
574,552.14	2,263,893.61	6,604,838.56	\$121,470,71	25	980,669,68	0.423146989	56,054,666.20	25	0.423146989	25	0.423146989	35,802,226.81
587,381.41	2,345,749.32	6,889,939.94	\$126,464,33	26	981,469,68	0.408837671	56,122,811.4	26	0.408837671	26	0.408837671	35,732,226.81
600,210.68	2,430,939.94	7,184,838.56	\$131,920,23	27	982,054,669.69	0.395012242	56,183,542.71	27	0.395012242	27	0.395012242	35,654,444.44
613,040.05	2,519,499.68	7,490,939.94	\$137,863	28	982,442,08	0.38165434	56,238,811.4	28	0.38165434	28	0.38165434	35,569,444.44
625,869.32	2,611,818.15	7,809,939.94	\$144,343,94	29	982,735,444.44	0.368748155	56,288,611.4	29	0.368748155	29	0.368748155	35,478,886.10
638,698.59	2,707,343.13	8,132,522.52	\$151,418,15	30	982,939,939.94	0.356278411	56,332,226.81	30	0.356278411	30	0.356278411	35,382,226.81
651,527.86	2,805,939.94	8,470,939.94	\$158,920,23	31	983,054,669.69	0.344230348	56,371,554	31	0.344230348	31	0.344230348	35,282,226.81
664,357.13	2,908,499.68	8,824,838.56	\$166,920,23	32	983,089,68	0.332589709	56,406,666.20	32	0.332589709	32	0.332589709	35,178,886.10
677,186.40	3,015,939.94	9,194,838.56	\$175,418,15	33	983,134,271.4	0.321342714	56,437,714	33	0.321342714	33	0.321342714	35,072,226.81
690,015.67	3,129,499.68	9,579,939.94	\$184,418,15	34	983,188,11.4	0.310476052	56,464,444.44	34	0.310476052	34	0.310476052	34,964,444.44
702,844.94	3,249,939.94	9,984,838.56	\$193,920,23	35	983,254,669.69	0.299976862	56,488,611.4	35	0.299976862	35	0.299976862	34,854,444.44
715,674.21	3,376,499.68	10,409,939.94	\$204,920,23	36	983,332,226.81	0.289832717	56,509,444.44	36	0.289832717	36	0.289832717	34,742,226.81
728,503.48	3,510,939.94	10,854,838.56	\$216,418,15	37	983,420,226.81	0.28003161	56,526,666.20	37	0.28003161	37	0.28003161	34,628,886.10
741,332.75	3,652,499.68	11,329,939.94	\$228,418,15	38	983,518,11.4	0.270561942	56,541,554	38	0.270561942	38	0.270561942	34,514,444.44
754,162.02	3,803,939.94	11,834,838.56	\$241,418,15	39	983,626,669.69	0.261412505	56,554,666.20	39	0.261412505	39	0.261412505	34,400,226.81
767,000.29	3,965,499.68	12,369,939.94	\$255,418,15	40	983,744,444.44	0.252527468	56,564,444.44	40	0.252527468	40	0.252527468	34,286,666.20
779,838.56	4,139,939.94	12,934,838.56	\$270,418,15	41	983,872,226.81	0.24403137	56,571,554	41	0.24403137	41	0.24403137	34,172,226.81
792,676.83	4,327,499.68	13,539,939.94	\$286,418,15	42	983,911.4	0.235779102	56,576,666.20	42	0.235779102	42	0.235779102	34,058,886.10
805,515.10	4,530,939.94	14,174,838.56	\$303,418,15	43	983,960,669.69	0.227805895	56,580,666.20	43	0.227805895	43	0.227805895	33,946,666.20
818,353.37	4,747,499.68	14,849,939.94	\$322,418,15	44	983,999,68	0.220102314	56,583,666.20	44	0.220102314	44	0.220102314	33,834,444.44
831,191.64	4,980,939.94	15,564,838.56	\$343,418,15	45	984,049,68	0.212659241	56,586,666.20	45	0.212659241	45	0.212659241	33,722,226.81
844,030.05	5,237,499.68	16,329,939.94	\$366,418,15	46	984,109,68	0.205467866	56,589,666.20	46	0.205467866	46	0.205467866	33,610,666.20
856,868.32	5,512,499.68	17,144,838.56	\$391,418,15	47	984,179,68	0.198519677	56,592,226.81	47	0.198519677	47	0.198519677	33,500,226.81
869,706.59	5,807,939.94	18,019,939.94	\$418,418,15	48	984,259,68	0.191806451	56,594,444.44	48	0.191806451	48	0.191806451	33,392,226.81

Appendix A

Alternative A -250 Wells/Year Development Rate

Total Production for Year	MMCF Natural Gas		Condensate Production		Value/bbl		Natural Gas		Condensate		Labor		
	Price: \$/3,500	MMCF	Condensate Production	Value/bbl	NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor
13,632.45	47,713,560.58	129,508.24	\$2,719,673	\$2,719,673	49	0.185320243	8,842,288.62	49	0.185320243	504,010.45	49	0.185320243	333,690.29
9,901.81	34,656,320.63	94,067.16	\$1,975,410	\$1,975,410	50	0.179053375	6,205,331.16	50	0.179053375	353,703.88	50	0.179053375	234,176.79
6,395.00	22,382,513.97	60,752.54	\$1,275,803	\$1,275,803	51	0.172998429	3,872,139.76	51	0.172998429	220,711.97	51	0.172998429	146,126.81
3,098.61	10,845,133.36	29,436.80	\$618,173	\$618,173	52	0.167148241	1,812,745.30	52	0.167148241	103,326.48	52	0.167148241	68,409.38
-	-	-	\$0	\$0	53	0.161495885	-	53	0.161495885	-	53	0.161495885	-
-	-	-	\$0	\$0	54	0.156034672	-	54	0.156034672	-	54	0.156034672	-
-	-	-	\$0	\$0	55	0.150758137	-	55	0.150758137	-	55	0.150758137	-
-	-	-	\$0	\$0	56	0.145660036	-	56	0.145660036	-	56	0.145660036	-
-	-	-	\$0	\$0	57	0.140734334	-	57	0.140734334	-	57	0.140734334	-
-	-	-	\$0	\$0	58	0.135975202	-	58	0.135975202	-	58	0.135975202	-
-	-	-	\$0	\$0	59	0.131377007	-	59	0.131377007	-	59	0.131377007	-
-	-	-	\$0	\$0	60	0.126934306	-	60	0.126934306	-	60	0.126934306	-
-	-	-	\$0	\$0	61	0.122641841	-	61	0.122641841	-	61	0.122641841	-
-	-	-	\$0	\$0	62	0.118494533	-	62	0.118494533	-	62	0.118494533	-
-	-	-	\$0	\$0	63	0.114487471	-	63	0.114487471	-	63	0.114487471	-
-	-	-	\$0	\$0	64	0.110615914	-	64	0.110615914	-	64	0.110615914	-
-	-	-	\$0	\$0	65	0.106875279	-	65	0.106875279	-	65	0.106875279	-
-	-	-	\$0	\$0	66	0.10326114	-	66	0.10326114	-	66	0.10326114	-
-	-	-	\$0	\$0	67	0.099769217	-	67	0.099769217	-	67	0.099769217	-
-	-	-	\$0	\$0	68	0.096395379	-	68	0.096395379	-	68	0.096395379	-
-	-	-	\$0	\$0	69	0.093135632	-	69	0.093135632	-	69	0.093135632	-
-	-	-	\$0	\$0	70	0.089986118	-	70	0.089986118	-	70	0.089986118	-
-	-	-	\$0	\$0	71	0.086943109	-	71	0.086943109	-	71	0.086943109	-
-	-	-	\$0	\$0	72	0.084003004	-	72	0.084003004	-	72	0.084003004	-
-	-	-	\$0	\$0	73	0.081162322	-	73	0.081162322	-	73	0.081162322	-
-	-	-	\$0	\$0	74	0.078417703	-	74	0.078417703	-	74	0.078417703	-
-	-	-	\$0	\$0	75	0.075765896	-	75	0.075765896	-	75	0.075765896	-
-	-	-	\$0	\$0	76	0.073203765	-	76	0.073203765	-	76	0.073203765	-
-	-	-	\$0	\$0	77	0.070728275	-	77	0.070728275	-	77	0.070728275	-
-	-	-	\$0	\$0	78	0.068336498	-	78	0.068336498	-	78	0.068336498	-
-	-	-	\$0	\$0	79	0.066025601	-	79	0.066025601	-	79	0.066025601	-
-	-	-	\$0	\$0	80	0.063792852	-	80	0.063792852	-	80	0.063792852	-
-	-	-	\$0	\$0	81	0.061635605	-	81	0.061635605	-	81	0.061635605	-
8,190,018.36	\$28,665,067,758	77,805,174.42	1,633,908,662.73	1,633,908,662.73			16,909,230,759			963,826,153			638,120,550

Appendix A



Appendix A

Alternative B - 75 Wells/Year Development Rate

MMCF Natural Gas		Price / MMCF		Condensate Production		Value/bbl		Natural Gas		Condensate		Labor		
Total Production for Year	\$3,500	MMCF	\$/MMCF	Condensate Production	Value/bbl	NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor
24,931.03	87,258,622.01	236,844.83	\$4,973,741	1	84,307,847.35	1	0.966183575	0.966183575	4,805,547.30	0.966183575	4,805,547.30	1	0.966183575	3,181,609.54
37,430.36	131,006,254.73	355,588.41	\$7,467,357	2	122,295,740.61	2	0.9335107	0.9335107	6,970,857.21	0.9335107	6,970,857.21	2	0.9335107	4,615,196.66
46,978.85	164,425,962.98	446,299.04	\$9,372,280	3	148,302,797.93	3	0.901942706	0.901942706	8,453,259.48	0.901942706	8,453,259.48	3	0.901942706	5,596,650.99
54,987.54	192,456,396.70	522,381.65	\$10,970,015	4	167,714,631.08	4	0.871442228	0.871442228	9,559,733.97	0.871442228	9,559,733.97	4	0.871442228	6,329,214.75
62,011.38	217,039,819.73	589,108.08	\$12,371,270	5	182,741,704.35	5	0.841973167	0.841973167	10,416,277.15	0.841973167	10,416,277.15	5	0.841973167	6,896,306.44
68,336.31	239,167,090.79	649,194.96	\$13,633,094	6	194,570,717.46	6	0.813500644	0.813500644	11,090,350.90	0.813500644	11,090,350.90	6	0.813500644	7,342,709.74
74,132.48	259,463,690.43	704,258.59	\$14,789,430	7	203,936,115.31	7	0.785990961	0.785990961	11,624,338.57	0.785990961	11,624,338.57	7	0.785990961	7,696,141.12
79,510.77	278,287,682.35	755,332.29	\$15,862,398	8	211,334,885.73	8	0.759411556	0.759411556	12,046,088.49	0.759411556	12,046,088.49	8	0.759411556	7,975,355.92
84,012.88	296,145,089.37	803,822.39	\$16,880,270	9	217,290,824.33	9	0.733730972	0.733730972	12,385,576.99	0.733730972	12,385,576.99	9	0.733730972	8,200,121.13
89,429.65	313,003,764.76	849,581.65	\$17,841,215	10	221,894,257.60	10	0.708918814	0.708918814	12,647,972.68	0.708918814	12,647,972.68	10	0.708918814	8,373,845.49
93,957.41	328,850,920.30	892,595.36	\$18,744,502	11	225,245,028.32	11	0.684945714	0.684945714	12,838,966.61	0.684945714	12,838,966.61	11	0.684945714	8,500,296.88
98,213.50	343,747,246.95	933,028.24	\$19,593,593	12	227,486,186.87	12	0.661783298	0.661783298	12,966,712.65	0.661783298	12,966,712.65	12	0.661783298	8,584,873.72
102,214.23	357,749,792.47	971,035.15	\$20,391,738	13	228,746,703.01	13	0.639404153	0.639404153	13,038,562.07	0.639404153	13,038,562.07	13	0.639404153	8,632,443.08
105,974.91	370,912,184.85	1,006,761.64	\$21,141,995	14	229,142,793.59	14	0.61778179	0.61778179	13,061,139.23	0.61778179	13,061,139.23	14	0.61778179	8,647,390.74
109,509.95	383,284,833.65	1,040,344.55	\$21,847,236	15	228,779,121.47	15	0.596890619	0.596890619	13,040,409.92	0.596890619	13,040,409.92	15	0.596890619	8,633,666.49
112,832.89	394,915,123.35	1,071,912.48	\$22,510,162	16	227,749,886.26	16	0.576705912	0.576705912	12,981,743.52	0.576705912	12,981,743.52	16	0.576705912	8,594,825.21
115,956.46	405,847,594.74	1,101,586.33	\$23,133,313	17	226,139,813.66	17	0.557203779	0.557203779	12,889,969.38	0.557203779	12,889,969.38	17	0.557203779	8,534,064.29
118,892.61	416,124,117.81	1,129,479.75	\$23,719,075	18	224,025,054.26	18	0.53836114	0.53836114	12,769,458.09	0.53836114	12,769,458.09	18	0.53836114	8,454,245.50
121,652.59	424,864,049.12	1,155,699.56	\$24,269,691	19	221,473,996.02	19	0.52015569	0.52015569	12,624,017.77	0.52015569	12,624,017.77	19	0.52015569	8,357,985.66
126,685.69	443,399,899.25	1,205,514.01	\$25,273,794	20	218,548,003.92	20	0.502565884	0.502565884	12,457,236.22	0.502565884	12,457,236.22	20	0.502565884	8,247,564.57
128,978.08	451,423,283.43	1,225,291.77	\$25,731,127	21	215,302,089.39	21	0.485570903	0.485570903	12,272,219.10	0.485570903	12,272,219.10	21	0.485570903	8,125,070.25
131,132.93	458,965,264.11	1,245,762.86	\$26,161,020	22	211,785,518.16	22	0.469150631	0.469150631	12,071,774.54	0.469150631	12,071,774.54	22	0.469150631	7,992,361.88
133,158.49	466,054,725.66	1,265,005.68	\$26,565,119	23	208,042,360.53	23	0.453285634	0.453285634	11,858,414.55	0.453285634	11,858,414.55	23	0.453285634	7,851,102.60
135,062.52	472,718,819.51	1,283,093.94	\$26,944,973	24	204,111,991.89	24	0.437957134	0.437957134	11,634,383.54	0.437957134	11,634,383.54	24	0.437957134	7,702,778.35
136,852.31	478,983,067.76	1,300,096.90	\$27,302,035	25	200,029,545.25	25	0.423146989	0.423146989	11,401,684.08	0.423146989	11,401,684.08	25	0.423146989	7,548,714.98
140,116.16	490,406,580.89	1,311,103.50	\$27,933,173	26	195,826,321.77	26	0.408837671	0.408837671	11,162,100.34	0.408837671	11,162,100.34	26	0.408837671	7,390,093.73
141,602.72	495,609,534.99	1,345,225.88	\$28,249,743	27	191,530,163.10	27	0.395012242	0.395012242	10,917,219.30	0.395012242	10,917,219.30	27	0.395012242	7,227,965.30
143,000.10	500,500,340.01	1,358,500.92	\$28,528,519	28	187,165,788.71	28	0.38165434	0.38165434	10,668,449.96	0.38165434	10,668,449.96	28	0.38165434	7,063,262.53
144,313.63	505,097,696.46	1,370,979.46	\$28,790,569	29	182,755,101.61	29	0.368748155	0.368748155	10,417,040.79	0.368748155	10,417,040.79	29	0.368748155	6,896,812.02
145,548.35	509,419,211.58	1,382,709.29	\$29,036,895	30	178,317,465.65	30	0.356278411	0.356278411	10,164,095.54	0.356278411	10,164,095.54	30	0.356278411	6,729,344.52
146,708.98	513,481,435.78	1,404,099.80	\$29,268,442	31	173,869,956.03	31	0.344230348	0.344230348	9,910,587.49	0.344230348	9,910,587.49	31	0.344230348	6,561,504.40
147,799.98	517,299,926.56	1,413,842.41	\$29,486,096	32	169,427,587.14	32	0.332589709	0.332589709	9,657,372.47	0.332589709	9,657,372.47	32	0.332589709	6,393,858.28
148,825.52	520,889,307.98	1,423,000.46	\$29,680,691	33	165,005,517.97	33	0.321342714	0.321342714	9,405,200.52	0.321342714	9,405,200.52	33	0.321342714	6,226,902.76
149,789.52	524,263,326.66	1,429,869.34	\$29,853,010	34	160,609,238.80	34	0.310476052	0.310476052	9,154,726.61	0.310476052	9,154,726.61	34	0.310476052	6,061,071.45
150,695.69	527,434,904.22	1,431,609.03	\$30,063,790	35	156,254,739.88	35	0.299976862	0.299976862	8,906,520.17	0.299976862	8,906,520.17	35	0.299976862	5,896,741.37
151,547.48	530,116,187.37	1,439,701.08	\$30,233,723	36	151,948,664.17	36	0.289832717	0.289832717	8,661,073.86	0.289832717	8,661,073.86	36	0.289832717	5,734,238.69
152,448.17	533,218,593.69	1,447,307.61	\$30,393,460	37	147,698,445.52	37	0.28003161	0.28003161	8,418,811.39	0.28003161	8,418,811.39	37	0.28003161	5,573,843.94
153,100.82	535,852,855.48	1,454,457.75	\$30,543,613	38	143,510,433.85	38	0.270561942	0.270561942	8,180,094.73	0.270561942	8,180,094.73	38	0.270561942	5,415,796.75
128,169.78	448,594,233.47	1,217,612.92	\$25,569,871	40	139,390,008.07	40	0.252572468	0.252572468	7,945,230.46	0.252572468	7,945,230.46	40	0.252572468	5,260,300.12
106,121.97	371,426,892.50	1,098,869.34	\$23,076,256	41	135,341,678.30	41	0.24403137	0.24403137	6,239,850.73	0.24403137	6,239,850.73	41	0.24403137	4,131,219.07
98,113.27	343,396,458.77	1,008,158.71	\$21,171,333	42	131,341,678.30	42	0.23579102	0.23579102	5,440,898.97	0.23579102	5,440,898.97	42	0.23579102	3,602,256.93
91,089.44	318,813,035.75	865,349.67	\$18,172,343	43	127,582,355.31	43	0.227805895	0.227805895	4,822,954.44	0.227805895	4,822,954.44	43	0.227805895	3,193,134.29
84,764.50	296,675,764.69	805,262.79	\$16,910,519	44	124,023,142	44	0.22102314	0.22102314	4,308,194.25	0.22102314	4,308,194.25	44	0.22102314	2,852,326.92
78,968.33	276,389,165.05	750,199.16	\$15,754,182	45	120,546,786.66	45	0.212659241	0.212659241	3,864,516.68	0.212659241	3,864,516.68	45	0.212659241	2,558,581.23
				46	117,262,799.16	46	0.205467866	0.205467866	3,474,568.16	0.205467866	3,474,568.16	46	0.205467866	2,300,407.95
				47	114,182,887.75	47	0.198519677	0.198519677	3,127,515.20	0.198519677	3,127,515.20	47	0.198519677	2,070,634.54

Appendix A

Alternative B - 75 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price/ MMCF \$3,500	Condensate Production Value/bbl \$21	NG Production	Natural Gas		Condensate		Labor Earnings	Discount Factor	PV of LOP Labor
				PV of LOP Production	Discount Factor	Condensate	Discount Factor			
73,590.05	257,565.168.13	699,105.46	48	49,402,660.83	0.191806451	48	2,815,951.67	48	0.191806451	1,864,357.61
68,487.93	239,707,766.11	650,635.37	49	\$13,663,343	0.185320243	49	44,422,701.38	49	0.185320243	1,676,423.90
63,671.17	222,849,090.72	604,876.10	50	\$12,702,398	0.179053375	50	39,901,881.70	50	0.179053375	1,505,817.21
59,143.41	207,001,935.17	561,862.40	51	\$11,799,110	0.172998429	51	35,811,009.69	51	0.172998429	1,351,435.88
54,887.32	192,105,608.53	521,429.51	52	\$10,950,020	0.167148241	52	32,110,114.56	52	0.167148241	1,211,771.50
50,886.59	178,103,063.01	483,422.60	53	\$10,151,875	0.161495885	53	28,762,911.80	53	0.161495885	1,085,454.77
47,125.91	164,940,670.63	447,696.11	54	\$9,401,618	0.156034672	54	25,736,463.37	54	0.156034672	971,242.65
43,590.86	152,568,021.83	414,113.20	55	\$8,696,377	0.150758137	55	23,000,870.70	55	0.150758137	868,006.86
40,267.92	140,937,732.13	382,545.27	56	\$8,033,451	0.145660036	56	20,528,995.07	56	0.145660036	774,723.22
37,144.36	130,005,260.74	352,871.42	57	\$7,410,300	0.140734334	57	18,296,203.77	57	0.140734334	690,462.14
34,208.21	119,728,737.67	324,978.00	58	\$6,824,538	0.135975202	58	16,280,139.27	58	0.135975202	614,379.90
31,448.23	110,068,806.36	298,758.19	59	\$6,273,922	0.131377007	59	14,460,510.30	59	0.131377007	545,710.74
28,853.85	100,988,471.15	274,111.56	60	\$5,756,343	0.126934306	60	12,818,901.49	60	0.126934306	483,759.70
26,415.13	92,452,956.23	250,943.74	61	\$5,269,819	0.122641841	61	11,338,600.80	61	0.122641841	427,896.12
24,122.73	84,429,572.04	229,165.98	62	\$4,812,486	0.118494533	62	10,004,442.69	62	0.118494533	377,547.66
19,942.32	69,798,129.82	189,452.07	63	\$3,978,493	0.114487471	63	8,802,665.91	63	0.114487471	332,195.01
18,038.30	63,134,035.96	171,363.81	64	\$3,598,640	0.110615914	64	7,720,783.94	64	0.110615914	291,366.94
16,248.51	56,869,787.72	154,360.85	65	\$3,241,578	0.106875279	65	6,747,467.74	65	0.106875279	254,635.94
12,984.66	45,446,304.59	123,354.26	66	\$2,900,439	0.10326114	66	5,872,439.09	66	0.10326114	221,614.11
11,498.09	40,243,320.49	109,231.87	67	\$2,293,869	0.099769217	67	5,086,373.79	67	0.099769217	191,949.57
10,100.72	35,352,515.47	95,956.83	68	\$2,015,093	0.096395379	68	4,380,813.74	68	0.096395379	165,323.15
8,787.19	30,755,159.02	83,478.29	69	\$1,753,044	0.093135632	69	3,748,087.07	69	0.093135632	141,445.31
7,552.47	26,433,643.90	71,748.46	70	\$1,506,718	0.089986118	70	3,181,235.61	70	0.089986118	120,053.47
6,391.83	22,371,419.70	60,722.42	71	\$1,275,171	0.086943109	71	2,673,949.13	71	0.086943109	100,909.49
5,300.84	18,552,928.92	50,357.95	72	\$1,087,517	0.084003004	72	2,220,505.48	72	0.084003004	83,797.44
4,275.30	14,963,547.50	40,615.34	73	\$852,922	0.081162322	73	1,815,716.38	73	0.081162322	68,521.50
3,311.29	11,589,528.82	31,487.29	74	\$660,603	0.078417703	74	1,454,878.06	74	0.078417703	54,904.19
2,405.13	8,417,951.26	22,848.72	75	\$479,823	0.075765896	75	1,133,726.59	75	0.075765896	42,784.57
1,553.33	5,436,668.11	14,756.67	76	\$309,890	0.073203765	76	848,397.14	76	0.073203765	32,016.81
752.65	2,634,261.78	7,150.14	77	\$150,153	0.070728275	77	595,387.17	77	0.070728275	22,468.72
-	-	-	78	\$0	0.068336498	78	371,522.86	78	0.068336498	14,020.53
-	-	-	79	\$0	0.066025601	79	175,928.72	79	0.066025601	6,363.72
-	-	-	80	\$0	0.063792852	80	-	80	0.063792852	-
-	-	-	81	\$0	0.061635605	81	-	81	0.061635605	-
6,124,032.63	\$21,434,117,719	58,178,310.02	81	1,221,744,510.49	0.061635605	81	485,531,506	81	0.061635605	321,455,929

Appendix A

Alternative B - 150 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price/ MMCF \$3.500	Condensate Production		Value/bbl \$21	NG Production	Natural Gas		Condensate		Labor Earnings	Discount Factor	PV of LOP Labor
		Condensate Production	Value/bbl \$21			PV of LOP Production	Discount Factor	PV of LOP Production	Discount Factor			
47,487.67	166,206,845.45	451,132.87	\$9,473,790	1	160,586,324.10	1	0.966183575	9,153,420.47	1	0.966183575	6,000,206.70	
71,295.90	249,315,642.80	677,311.03	\$14,223,532	2	232,944,192.68	2	0.9335107	13,277,818.98	2	0.9335107	8,790,847.94	
89,483.49	313,192,209.41	850,093.14	\$17,851,956	3	282,481,438.75	3	0.901942706	16,101,441.44	3	0.901942706	10,660,284.16	
104,738.14	366,883,494.52	995,012.34	\$20,895,259	4	319,456,337.10	4	0.871442228	18,209,011.21	4	0.871442228	12,055,643.25	
118,116.87	413,409,047.07	1,122,110.27	\$23,564,316	5	348,079,324.57	5	0.841973167	19,840,521.50	5	0.841973167	13,135,817.55	
130,164.36	455,575,264.07	1,236,561.43	\$25,967,790	6	370,610,770.85	6	0.813500644	21,124,813.94	6	0.813500644	13,986,109.27	
141,204.68	494,216,393.78	1,341,444.50	\$28,170,334	7	388,449,618.13	7	0.785990961	22,141,628.23	7	0.785990961	14,659,311.69	
151,449.03	530,071,614.44	1,438,765.81	\$30,214,082	8	402,542,509.63	8	0.759411556	22,944,923.05	8	0.759411556	15,191,149.23	
161,167.34	564,085,705.55	1,531,089.76	\$32,152,885	9	413,887,130.93	9	0.733730972	23,591,567.60	9	0.733730972	15,619,273.30	
170,342.13	596,197,454.85	1,618,250.23	\$33,983,255	10	422,655,592.43	10	0.708918814	24,091,368.77	10	0.708918814	15,950,176.75	
178,966.43	626,382,502.28	1,700,181.08	\$35,703,803	11	429,038,010.78	11	0.684945714	24,455,166.61	11	0.684945714	16,191,036.45	
187,073.27	654,756,449.65	1,777,196.08	\$37,321,118	12	433,306,882.82	12	0.661783298	24,698,492.32	12	0.661783298	16,352,135.14	
194,693.70	681,427,956.31	1,849,590.17	\$38,841,394	13	435,707,865.19	13	0.639404153	24,855,348.32	13	0.639404153	16,442,743.42	
201,856.91	706,899,171.80	1,917,640.61	\$40,270,453	14	436,462,323.18	14	0.61778179	24,878,352.42	14	0.61778179	16,471,215.15	
208,590.32	730,066,114.30	1,981,608.02	\$41,613,769	15	435,769,614.60	15	0.596890619	24,838,868.03	15	0.596890619	16,445,073.72	
214,919.73	752,219,039.91	2,041,737.39	\$42,876,485	16	433,809,167.22	16	0.576705912	24,727,122.53	16	0.576705912	16,371,090.35	
220,869.37	773,942,788.23	2,098,259.00	\$44,063,439	17	430,742,363.26	17	0.557203779	24,552,314.71	17	0.557203779	16,253,355.30	
226,462.03	792,171,115.57	2,151,389.30	\$45,179,175	18	426,714,251.41	18	0.53836114	24,322,712.33	18	0.53836114	16,103,342.42	
231,719.14	811,016,974.79	2,201,331.79	\$46,227,968	19	421,855,094.44	19	0.52015569	24,045,740.38	19	0.52015569	15,919,967.55	
236,660.81	828,312,841.81	2,248,277.72	\$47,213,832	20	416,281,777.94	20	0.502565884	23,728,061.34	20	0.502565884	15,709,641.74	
241,305.99	844,570,962.22	2,292,406.90	\$48,140,545	21	410,099,085.60	21	0.485570903	23,375,647.88	21	0.485570903	15,476,319.29	
198,184.79	693,646,750.39	1,882,755.47	\$39,537,865	22	325,424,810.47	22	0.469150631	18,549,214.20	22	0.469150631	12,280,881.50	
178,481.04	624,632,825.87	1,695,569.84	\$35,606,967	23	283,160,113.14	23	0.453285634	16,140,126.45	23	0.453285634	10,685,896.35	
164,151.65	570,390,791.21	1,559,440.72	\$32,748,255	24	251,619,858.65	24	0.437957134	14,342,331.94	24	0.437957134	9,495,630.23	
152,523.72	533,833,014.10	1,448,975.32	\$30,428,482	25	225,889,832.69	25	0.423146989	12,875,720.46	25	0.423146989	8,524,630.51	
142,554.10	498,339,359.11	1,354,263.97	\$28,439,543	26	203,985,205.44	26	0.408837671	11,627,156.71	26	0.408837671	7,697,993.68	
133,711.18	467,989,125.89	1,270,256.20	\$26,675,380	27	184,861,434.00	27	0.395012242	10,537,101.74	27	0.395012242	6,976,300.80	
125,683.15	439,891,020.88	1,193,989.91	\$25,073,788	28	167,886,317.42	28	0.38165434	9,569,520.09	28	0.38165434	6,335,693.85	
111,213.71	389,247,970.90	1,056,530.21	\$22,187,134	29	138,680,648.40	29	0.368748155	8,700,589.06	29	0.368748155	5,760,400.53	
118,270.36	413,946,242.92	1,123,568.37	\$23,594,936	30	152,641,913.33	30	0.356278411	7,904,796.96	30	0.356278411	5,233,530.31	
104,540.88	343,939,491.48	933,530.05	\$19,604,551	31	114,390,735.25	31	0.344230348	6,520,271.91	31	0.344230348	4,753,157.87	
98,268.43	365,893,085.21	993,138.37	\$20,855,906	32	125,951,504.20	32	0.332589709	7,179,235.74	32	0.332589709	4,316,877.57	
92,372.32	323,303,112.53	877,537.02	\$18,428,277	33	103,891,099.50	33	0.321342714	5,921,792.67	33	0.321342714	3,920,642.31	
86,829.98	303,904,919.29	824,884.78	\$17,322,580	34	94,355,199.47	34	0.310476052	5,378,246.37	34	0.310476052	3,560,776.52	
81,620.18	285,670,618.58	775,391.68	\$16,283,225	35	85,694,575.63	35	0.299976862	4,884,590.81	35	0.299976862	3,233,941.90	
76,722.96	268,530,376.25	728,868.16	\$15,306,231	36	77,828,888.43	36	0.289832717	4,436,246.64	36	0.289832717	2,937,106.59	
72,119.59	252,418,548.81	685,136.06	\$14,387,857	37	70,685,172.67	37	0.28003161	4,029,954.84	37	0.28003161	2,667,517.05	
67,792.41	237,273,433.24	644,027.89	\$13,524,586	38	64,197,160.94	38	0.270561942	3,659,238.17	38	0.270561942	2,422,672.46	
63,724.86	223,037,024.98	605,386.21	\$12,713,110	39	58,304,667.31	39	0.261412505	3,323,366.04	39	0.261412505	2,200,301.54	
59,901.37	209,654,801.63	569,063.03	\$11,950,324	40	52,953,030.72	40	0.252572468	3,018,322.75	40	0.252572468	1,998,341.47	
54,959.69	192,358,930.62	522,117.10	\$10,964,459	41	46,941,613.42	41	0.24403137	2,675,671.96	41	0.24403137	1,771,482.61	
50,314.52	176,100,812.20	477,987.92	\$10,037,746	42	41,520,891.31	42	0.235779102	2,366,690.80	42	0.235779102	1,566,915.40	
45,948.05	160,818,180.59	436,506.49	\$9,166,636	43	36,635,329.62	43	0.227805895	2,088,213.79	43	0.227805895	1,382,544.07	
41,843.57	146,852,507.75	397,513.95	\$8,347,793	44	32,234,535.90	44	0.220102314	1,837,368.55	44	0.220102314	1,216,466.92	
37,985.36	132,948,775.81	360,860.96	\$7,578,080	45	28,272,785.74	45	0.212659241	1,611,548.79	45	0.212659241	1,066,958.39	
34,358.65	120,555,267.80	326,407.16	\$6,854,550	46	24,708,593.20	46	0.205467866	1,408,389.81	46	0.205467866	932,452.89	
30,949.53	108,253,370.24	294,020.58	\$6,174,432	47	21,504,320.46	47	0.198519677	1,225,746.27	47	0.198519677	811,530.05	

Appendix A

Alternative B - 150 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price/ MMCF \$3,500	Condensate Production	Value/bbl \$21	Natural Gas		Condensate		Labor			
				NG Production	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Discount Factor	Labor Earnings	PV of LOP Labor
27,744.97	97,107,386.46	263,577.19	\$5,535,121	48	18,625,823.18	48	0.191806451	1,061,671.92	48	0.191806451	702,901.31
24,732.67	86,364,361.77	234,960.41	\$4,934,169	49	16,042,128.53	49	0.185320243	914,401.33	49	0.185320243	606,397.85
21,901.12	76,633,919.07	208,060.64	\$4,369,273	50	13,725,142.88	50	0.179053375	782,333.14	50	0.179053375	517,959.44
19,239.46	67,338,102.98	182,774.85	\$3,838,272	51	11,649,386.06	51	0.172998429	664,015.01	51	0.172998429	439,624.53
16,737.50	58,381,236.37	159,006.21	\$3,339,130	52	9,791,730.62	52	0.167148241	558,129.79	52	0.167148241	369,521.08
14,385.65	50,349,781.66	136,663.69	\$2,869,938	53	8,131,282.55	53	0.161495885	463,483.11	53	0.161495885	306,858.34
12,174.92	42,012,142.25	115,661.72	\$2,428,896	54	6,648,982.85	54	0.156034672	378,992.02	54	0.156034672	250,919.31
10,096.83	35,338,900.82	95,919.87	\$2,014,317	55	5,327,626.84	55	0.150758137	303,674.73	55	0.150758137	201,063.98
8,143.42	28,301,986.05	77,362.53	\$1,624,613	56	4,151,600.30	56	0.145660036	236,641.22	56	0.145660036	156,673.09
6,307.22	22,075,288.87	59,918.63	\$1,258,291	57	3,106,750.65	57	0.140734334	177,084.79	57	0.140734334	117,242.56
4,381.20	16,084,187.70	43,521.37	\$913,949	58	2,180,251.91	58	0.135975202	124,274.36	58	0.135975202	82,278.35
2,958.73	10,355,554.96	28,107.93	\$590,267	59	1,360,481.81	59	0.131377007	77,547.46	59	0.131377007	51,341.86
1,433.61	5,017,639.88	13,619.31	\$286,005	60	656,910.63	60	0.126934306	36,303.91	60	0.126934306	24,035.73
-	-	-	\$0	61	-	61	0.122641841	-	61	0.122641841	-
-	-	-	\$0	62	-	62	0.118494533	-	62	0.118494533	-
-	-	-	\$0	63	-	63	0.114487471	-	63	0.114487471	-
-	-	-	\$0	64	-	64	0.110615914	-	64	0.110615914	-
-	-	-	\$0	65	-	65	0.106875279	-	65	0.106875279	-
-	-	-	\$0	66	-	66	0.10326114	-	66	0.10326114	-
-	-	-	\$0	67	-	67	0.099769217	-	67	0.099769217	-
-	-	-	\$0	68	-	68	0.096395379	-	68	0.096395379	-
-	-	-	\$0	69	-	69	0.093135632	-	69	0.093135632	-
-	-	-	\$0	70	-	70	0.089986118	-	70	0.089986118	-
-	-	-	\$0	71	-	71	0.086943109	-	71	0.086943109	-
-	-	-	\$0	72	-	72	0.084003004	-	72	0.084003004	-
-	-	-	\$0	73	-	73	0.081162322	-	73	0.081162322	-
-	-	-	\$0	74	-	74	0.078417703	-	74	0.078417703	-
-	-	-	\$0	75	-	75	0.075765896	-	75	0.075765896	-
-	-	-	\$0	76	-	76	0.073203765	-	76	0.073203765	-
-	-	-	\$0	77	-	77	0.070728275	-	77	0.070728275	-
-	-	-	\$0	78	-	78	0.068336498	-	78	0.068336498	-
-	-	-	\$0	79	-	79	0.066025601	-	79	0.066025601	-
-	-	-	\$0	80	-	80	0.063792852	-	80	0.063792852	-
-	-	-	\$0	81	-	81	0.061635605	-	81	0.061635605	-
6,124,030.66	\$21,434,110,805	58,178,291.26	1,221,744,116.38	-	111,167,078,042	-	-	636,523,448	-	-	421,423,191

Appendix A

Alternative B - 250 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3.500	Condensate Production			Natural Gas			Condensate			Labor		
		Value/bbl \$21	NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor		
76,710.70	268,487,461.45	728,751.68	\$15,303,785	1	259,408,175.32	1	0.966183375	14,786,265.99	1	0.966183375	9,789,545.72		
115,170.07	403,095,238.19	1,094,115.70	\$22,976,430	2	376,293,736.79	2	0.9335107	21,448,743.00	2	0.9335107	14,200,373.04		
144,549.97	505,924,897.52	1,373,224.72	\$28,837,719	3	456,315,270.93	3	0.901942706	26,009,970.44	3	0.901942706	17,220,425.69		
169,192.05	592,172,191.16	1,607,324.52	\$33,733,815	4	516,043,853.44	4	0.871442228	29,414,499.65	4	0.871442228	19,474,462.94		
190,803.81	667,813,321.96	1,812,636.16	\$38,065,359	5	562,280,897.56	5	0.841973167	32,050,011.16	5	0.841973167	21,219,356.51		
210,265.10	735,927,848.35	1,997,518.45	\$41,947,887	6	598,677,778.80	6	0.813500644	34,124,633.39	6	0.813500644	22,592,902.02		
228,099.43	798,348,013.99	2,166,944.61	\$45,505,837	7	627,494,322.47	7	0.785990961	35,767,176.38	7	0.785990961	23,680,380.74		
244,647.96	856,267,873.72	2,324,155.66	\$48,807,269	8	650,259,718.52	8	0.759411556	37,064,803.96	8	0.759411556	24,539,501.26		
260,346.74	911,213,602.01	2,473,294.06	\$51,939,175	9	673,337,097.2	9	0.733730972	38,109,381.60	9	0.733730972	25,231,084.96		
275,167.52	963,086,332.25	2,614,091.47	\$54,895,921	10	687,750,020.16	10	0.708918814	38,916,751.15	10	0.708918814	25,765,620.26		
289,099.06	1,011,846,700.73	2,746,441.04	\$57,675,262	11	693,060,060.62	11	0.684945714	39,504,423.46	11	0.684945714	26,154,700.57		
302,194.70	1,057,681,448.46	2,870,849.65	\$60,287,843	12	699,955,917.50	12	0.661783298	39,897,487.30	12	0.661783298	26,414,936.41		
314,504.60	1,100,766,106.60	2,987,793.72	\$62,743,668	13	703,834,419.97	13	0.639404153	40,118,561.94	13	0.639404153	26,561,303.34		
249,365.21	872,278,222.55	2,368,969.46	\$49,748,359	14	539,186,492.84	14	0.61778179	30,733,630.09	14	0.61778179	20,347,819.87		
221,782.87	776,240,028.48	2,106,937.22	\$44,245,682	15	463,330,390.80	15	0.596890619	26,409,832.28	15	0.596890619	17,485,162.29		
187,596.23	656,386,819.02	1,782,164.22	\$37,425,449	16	365,852,657.09	16	0.576705912	20,853,601.45	16	0.576705912	15,434,744.60		
175,018.77	614,565,687.80	1,662,678.30	\$34,916,244	17	329,781,561.74	17	0.557203779	18,797,549.02	17	0.557203779	13,806,547.57		
202,627.38	709,195,815.10	1,924,960.07	\$40,424,161	18	408,997,419.13	18	0.53836114	17,023,611.99	18	0.53836114	12,445,296.58		
164,049.70	574,173,959.86	1,558,472.18	\$32,727,916	19	271,231,402.49	19	0.52015569	15,460,189.94	19	0.52015569	11,270,825.51		
154,198.06	539,693,224.09	1,464,881.61	\$30,762,514	20	224,149,840.59	20	0.502565884	14,061,199.30	20	0.502565884	10,235,730.67		
145,153.27	508,056,427.88	1,378,956.02	\$28,958,076	21	246,687,706.96	21	0.485570903	12,776,540.91	21	0.485570903	9,309,500.69		
136,507.99	477,779,979.81	1,296,825.95	\$27,233,345	22	246,687,706.96	22	0.469150631	11,603,814.69	22	0.469150631	8,458,966.68		
128,317.51	449,111,291.55	1,219,016.56	\$25,599,344	23	203,575,696.34	23	0.453285634	10,538,729.94	23	0.453285634	7,682,539.63		
120,618.46	422,164,601.67	1,145,875.35	\$24,063,382	24	184,889,998.98	24	0.437957134	9,571,406.57	24	0.437957134	6,977,378.78		
113,381.35	396,834,711.80	1,077,122.79	\$22,619,579	25	167,919,413.54	25	0.423146989	8,692,871.46	25	0.423146989	6,336,942.83		
106,578.46	373,024,620.12	1,012,495.40	\$21,262,403	26	152,506,516.84	26	0.408837671	7,894,974.87	26	0.408837671	5,755,290.93		
100,183.75	350,043,135.29	951,745.65	\$19,986,659	27	138,508,331.12	27	0.395012242	7,170,315.18	27	0.395012242	5,227,027.40		
94,172.73	329,604,539.55	894,640.89	\$18,787,459	28	125,795,003.13	28	0.38165434	6,512,170.14	28	0.38165434	4,747,251.83		
88,522.36	309,828,239.28	840,962.42	\$17,660,211	29	114,248,998.97	29	0.368748155	5,914,434.61	29	0.368748155	4,311,513.63		
83,211.02	291,238,558.59	790,504.66	\$16,600,598	30	103,762,010.76	30	0.356278411	5,371,563.69	30	0.356278411	3,915,770.76		
78,218.35	273,764,239.22	743,074.56	\$15,604,562	31	94,237,959.45	31	0.344230348	4,878,521.52	31	0.344230348	3,556,352.11		
73,525.25	257,338,380.33	698,489.89	\$14,668,288	32	85,588,096.93	32	0.332589709	4,430,734.45	32	0.332589709	3,229,923.60		
69,113.74	241,898,073.64	656,380.49	\$13,788,190	33	77,732,183.41	33	0.321342714	4,024,048.63	33	0.321342714	2,933,457.14		
64,966.91	227,384,185.97	617,185.65	\$12,960,899	34	70,597,344.31	34	0.310476652	3,654,691.45	34	0.310476652	2,664,202.58		
61,068.89	213,741,131.33	580,154.50	\$12,183,244	35	64,117,393.78	35	0.299768682	3,319,236.65	35	0.299768682	2,419,662.21		
57,404.76	200,916,661.85	545,345.23	\$11,452,250	36	58,287,221.91	36	0.289832717	3,014,572.40	36	0.289832717	2,197,567.97		
53,960.47	188,861,661.41	512,624.51	\$10,765,115	37	52,887,235.15	37	0.28003161	2,737,872.52	37	0.28003161	1,995,858.48		
50,222.85	177,529,961.76	481,867.04	\$10,119,208	38	48,032,851.26	38	0.270561942	2,486,570.22	38	0.270561942	1,812,663.74		
47,679.48	166,878,164.52	452,955.02	\$9,512,055	39	43,624,038.95	39	0.261412505	2,258,334.30	39	0.261412505	1,646,283.98		
44,818.71	156,865,474.51	425,777.72	\$8,941,332	40	39,619,900.07	40	0.252572468	2,054,724.68	40	0.252572468	1,495,175.79		
39,952.71	139,834,467.59	379,550.70	\$7,970,565	41	34,123,996.73	41	0.24403137	1,945,067.81	41	0.24403137	1,287,771.39		
35,378.66	123,823,321.91	336,097.30	\$7,058,043	42	29,195,423.16	42	0.235779102	1,664,139.12	42	0.235779102	1,101,776.88		
31,079.06	108,776,725.04	295,251.11	\$6,200,273	43	24,779,979.24	43	0.227805895	1,412,458.82	43	0.227805895	935,146.86		
27,037.44	94,631,044.83	256,855.69	\$5,393,970	44	20,823,511.97	44	0.220102314	1,187,225.18	44	0.220102314	786,026.38		
23,238.32	81,334,105.26	220,764.00	\$4,636,044	45	17,296,449.08	45	0.212659241	985,897.60	45	0.212659241	652,733.40		
19,667.14	68,834,982.09	186,873.81	\$3,923,594	46	14,143,376.85	46	0.205467866	806,172.48	46	0.205467866	533,742.76		
16,310.23	57,085,806.23	154,947.19	\$3,253,891	47	11,332,655.81	47	0.198519677	645,961.38	47	0.198519677	427,671.76		



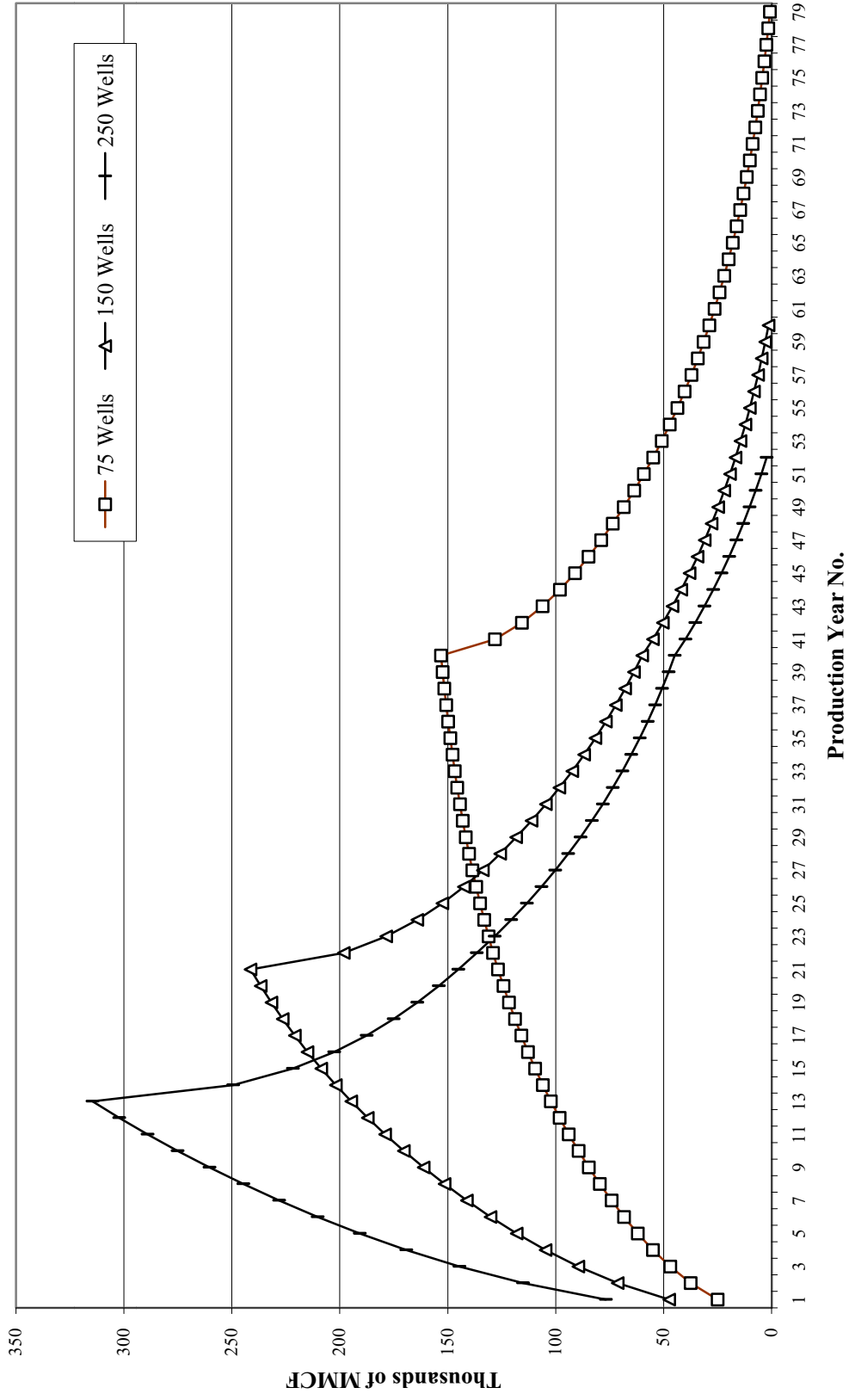
Appendix A

Alternative B - 250 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3,500	Condensate Production	Value/bbl \$21	NG Production	Discount Factor	Natural Gas PV of LOP Production	Condensate	Discount Factor	Condensate PV of LOP Production	Labor Earnings	Discount Factor	Labor PV of LOP Labor
13,154.74	46,041,580.65	124,970.00	\$2,624,370	48	0.191806451	8,831,072.19	48	0.191806451	503,371.11	48	0.191806451	333,267.00
10,188.57	35,660,008.16	96,791.45	\$2,032,620	49	0.185320243	6,608,521.36	49	0.185320243	376,685.72	49	0.185320243	249,392.38
7,400.38	25,901,329.99	70,303.61	\$1,476,376	50	0.179053375	4,637,720.54	50	0.179053375	264,350.07	50	0.179053375	175,018.30
4,779.48	16,728,171.79	45,405.04	\$953,506	51	0.172998429	2,893,947.45	51	0.172998429	164,955.00	51	0.172998429	109,211.79
2,315.83	8,105,402.57	22,000.38	\$462,008	52	0.167148241	1,354,803.78	52	0.167148241	77,223.82	52	0.167148241	51,127.59
-	-	-	\$0	53	0.161495885	-	53	0.161495885	-	53	0.161495885	-
-	-	-	\$0	54	0.156034672	-	54	0.156034672	-	54	0.156034672	-
-	-	-	\$0	55	0.150758137	-	55	0.150758137	-	55	0.150758137	-
-	-	-	\$0	56	0.145660036	-	56	0.145660036	-	56	0.145660036	-
-	-	-	\$0	57	0.140734334	-	57	0.140734334	-	57	0.140734334	-
-	-	-	\$0	58	0.135975202	-	58	0.135975202	-	58	0.135975202	-
-	-	-	\$0	59	0.131377007	-	59	0.131377007	-	59	0.131377007	-
-	-	-	\$0	60	0.126934306	-	60	0.126934306	-	60	0.126934306	-
-	-	-	\$0	61	0.122641841	-	61	0.122641841	-	61	0.122641841	-
-	-	-	\$0	62	0.118494533	-	62	0.118494533	-	62	0.118494533	-
-	-	-	\$0	63	0.114487471	-	63	0.114487471	-	63	0.114487471	-
-	-	-	\$0	64	0.110615914	-	64	0.110615914	-	64	0.110615914	-
-	-	-	\$0	65	0.106875279	-	65	0.106875279	-	65	0.106875279	-
-	-	-	\$0	66	0.10326114	-	66	0.10326114	-	66	0.10326114	-
-	-	-	\$0	67	0.099769217	-	67	0.099769217	-	67	0.099769217	-
-	-	-	\$0	68	0.096395379	-	68	0.096395379	-	68	0.096395379	-
-	-	-	\$0	69	0.093135632	-	69	0.093135632	-	69	0.093135632	-
-	-	-	\$0	70	0.089986118	-	70	0.089986118	-	70	0.089986118	-
-	-	-	\$0	71	0.086943109	-	71	0.086943109	-	71	0.086943109	-
-	-	-	\$0	72	0.084003004	-	72	0.084003004	-	72	0.084003004	-
-	-	-	\$0	73	0.081162322	-	73	0.081162322	-	73	0.081162322	-
-	-	-	\$0	74	0.078417703	-	74	0.078417703	-	74	0.078417703	-
-	-	-	\$0	75	0.075765896	-	75	0.075765896	-	75	0.075765896	-
-	-	-	\$0	76	0.073203765	-	76	0.073203765	-	76	0.073203765	-
-	-	-	\$0	77	0.070728275	-	77	0.070728275	-	77	0.070728275	-
-	-	-	\$0	78	0.068336498	-	78	0.068336498	-	78	0.068336498	-
-	-	-	\$0	79	0.066025601	-	79	0.066025601	-	79	0.066025601	-
-	-	-	\$0	80	0.063792852	-	80	0.063792852	-	80	0.063792852	-
-	-	-	\$0	81	0.061635605	-	81	0.061635605	-	81	0.061635605	-
6,124,018.81	\$21,434,069,320	58,178,178.65	1,221,741,751.71	12,644,738.391	720,750,088	477,187,137						

Appendix A

LOF PRODUCTION CURVE  
Alternative B



Appendix A

Alternative C - 75 Wells/Year Development Rate

MMCF Natural Gas			Condensate Production		Value/Bbl		Natural Gas		Condensate		Labor	
Total Production for Year	Price / MMCF	\$3,500	Condensate Production	MMCF	Value/Bbl	Condensate	MMCF	PV of LOP Production	Discount Factor	Labor Earnings	Discount Factor	PV of LOP Labor
63,166.97	223,184.378	84	605,786.17	1	\$12,721.510	1	0.966183375	12,291,313.62	0.966183375	1	0.966183375	8,137,712.16
95,736.93	335,079.250	01	909,500.82	2	\$19,099.517	2	0.9335107	17,829,603.73	0.9335107	2	0.9335107	11,804,448.87
120,159.44	420,558.025	84	1,141,514.64	3	\$23,971.807	3	0.901942706	21,621,196.89	0.901942706	3	0.901942706	14,314,749.02
140,643.56	492,252.463	76	1,336,113.83	4	\$28,958.390	4	0.871442228	24,451,266.27	0.871442228	4	0.871442228	16,188,454.15
158,608.67	555,130.360	27	1,506,782.41	5	\$31,642.431	5	0.841973167	26,642,077.45	0.841973167	5	0.841973167	17,638,924.89
174,786.18	611,751.647	12	1,660,468.76	6	\$34,869.844	6	0.813500644	28,366,640.47	0.813500644	6	0.813500644	18,780,706.63
189,011.26	663,659.405	92	1,801,306.96	7	\$37,827.446	7	0.785990961	29,732,030.73	0.785990961	7	0.785990961	19,684,690.80
203,367.49	711,786.213	77	1,931,991.15	8	\$40,571.814	8	0.759411556	30,810,704.55	0.759411556	8	0.759411556	20,398,848.57
216,417.35	757,460.725	47	2,055,964.83	9	\$43,175.261	9	0.733730972	31,679,026.49	0.733730972	9	0.733730972	20,973,738.62
228,737.36	800,580.757	98	2,173,004.91	10	\$45,633.103	10	0.708918814	32,350,165.39	0.708918814	10	0.708918814	21,418,079.68
240,318.17	841,113,590	25	2,283,022.60	11	\$47,943.475	11	0.684945714	32,838,677.46	0.684945714	11	0.684945714	21,741,508.95
251,204.13	879,214,453	71	2,386,439.23	12	\$50,115.224	12	0.661783298	33,165,418.14	0.661783298	12	0.661783298	21,957,834.21
261,436.93	915,029,261	43	2,483,650.85	13	\$52,156.668	13	0.639404153	33,349,190.06	0.639404153	13	0.639404153	22,079,504.11
271,055.77	948,695,179	66	2,575,029.77	14	\$54,075.625	14	0.617781719	33,406,936.57	0.617781719	14	0.617781719	22,117,736.36
280,097.47	980,341,142	71	2,660,925.96	15	\$55,879.445	15	0.596890619	33,353,916.57	0.596890619	15	0.596890619	22,082,633.40
288,596.67	1,010,088,347	52	2,741,668.37	16	\$57,575.036	16	0.576705912	33,203,863.52	0.576705912	16	0.576705912	21,983,287.74
296,585.92	1,038,050,717	68	2,817,566.23	17	\$59,168.891	17	0.557203779	32,969,129.64	0.557203779	17	0.557203779	21,827,877.44
305,118.18	1,063,963,644	73	2,894,472.75	18	\$60,945.605	18	0.53836114	32,754,250.60	0.53836114	18	0.53836114	21,699,388.87
313,643.42	1,089,964,661	61	2,969,498.48	19	\$62,947.468	19	0.520155669	32,554,173.37	0.520155669	19	0.520155669	21,590,031.48
321,883.12	1,113,966,669	69	3,042,428.85	20	\$65,124.05	20	0.502565884	32,369,900.32	0.502565884	20	0.502565884	21,500,387.74
330,384.89	1,139,964,661	61	3,117,456.46	21	\$67,385.286	21	0.485570903	32,194,900.32	0.485570903	21	0.485570903	21,428,870.64
339,167.15	1,164,964,661	61	3,192,428.12	22	\$69,731.121	22	0.469150631	32,030,337.83	0.469150631	22	0.469150631	21,368,361.70
348,229.92	1,189,964,661	61	3,267,402.75	23	\$72,164.276	23	0.453285634	31,874,900.32	0.453285634	23	0.453285634	21,316,815.15
357,577.55	1,214,964,661	61	3,342,377.34	24	\$74,685.294	24	0.437957134	31,724,469.89	0.437957134	24	0.437957134	21,272,999.44
367,216.63	1,239,964,661	61	3,417,351.94	25	\$77,296.118	25	0.423146989	31,578,025.07	0.423146989	25	0.423146989	21,235,372.57
377,046.08	1,264,964,661	61	3,492,326.53	26	\$79,987.750	26	0.408837671	31,431,224.24	0.408837671	26	0.408837671	21,201,887.25
387,068.88	1,289,964,661	61	3,567,301.13	27	\$82,760.884	27	0.395012242	31,284,064.28	0.395012242	27	0.395012242	21,170,511.26
397,283.16	1,314,964,661	61	3,642,275.72	28	\$85,625.345	28	0.38165434	31,136,858.07	0.38165434	28	0.38165434	21,141,210.48
407,698.08	1,339,964,661	61	3,717,250.31	29	\$88,579.814	29	0.368748155	30,989,723.06	0.368748155	29	0.368748155	21,113,905.18
418,313.00	1,364,964,661	61	3,792,224.90	30	\$91,614.143	30	0.356278411	30,842,604.28	0.356278411	30	0.356278411	21,088,599.11
429,028.00	1,389,964,661	61	3,867,200.49	31	\$94,738.584	31	0.344230348	30,694,531.51	0.344230348	31	0.344230348	21,064,240.84
440,043.00	1,414,964,661	61	3,942,176.08	32	\$97,953.030	32	0.332589709	30,545,469.50	0.332589709	32	0.332589709	21,040,822.22
451,258.00	1,439,964,661	61	4,017,151.67	33	\$101,267.522	33	0.321342714	30,395,424.44	0.321342714	33	0.321342714	21,018,339.22
462,673.00	1,464,964,661	61	4,092,127.26	34	\$104,682.014	34	0.310476652	30,244,384.44	0.310476652	34	0.310476652	20,996,787.22
474,288.00	1,489,964,661	61	4,167,102.85	35	\$108,196.506	35	0.299976862	30,092,344.44	0.299976862	35	0.299976862	20,976,169.22
486,103.00	1,514,964,661	61	4,242,078.44	36	\$111,801.000	36	0.289832717	30,040,304.44	0.289832717	36	0.289832717	20,956,487.22
498,118.00	1,539,964,661	61	4,317,054.03	37	\$115,495.494	37	0.28003161	30,088,264.44	0.28003161	37	0.28003161	20,937,227.22
510,333.00	1,564,964,661	61	4,392,029.62	38	\$119,279.988	38	0.270561942	30,136,224.44	0.270561942	38	0.270561942	20,918,487.22
522,748.00	1,589,964,661	61	4,467,005.21	39	\$123,154.482	39	0.261412505	30,184,184.44	0.261412505	39	0.261412505	20,900,167.22
535,363.00	1,614,964,661	61	4,542,080.80	40	\$127,129.076	40	0.252527268	30,232,144.44	0.252527268	40	0.252527268	20,882,267.22
548,178.00	1,639,964,661	61	4,617,156.39	41	\$131,203.570	41	0.24403137	30,280,104.44	0.24403137	41	0.24403137	20,864,787.22
561,193.00	1,664,964,661	61	4,692,231.98	42	\$135,378.064	42	0.235779102	30,328,064.44	0.235779102	42	0.235779102	20,847,827.22
574,408.00	1,689,964,661	61	4,767,307.57	43	\$139,652.558	43	0.227805895	30,376,024.44	0.227805895	43	0.227805895	20,831,387.22
587,823.00	1,714,964,661	61	4,842,383.16	44	\$144,027.052	44	0.22002314	30,424,084.44	0.22002314	44	0.22002314	20,815,427.22
601,438.00	1,739,964,661	61	4,917,458.75	45	\$148,501.546	45	0.212469241	30,472,044.44	0.212469241	45	0.212469241	20,800,027.22
615,253.00	1,764,964,661	61	4,992,534.34	46	\$153,076.040	46	0.205467866	30,520,004.44	0.205467866	46	0.205467866	20,785,027.22
629,268.00	1,789,964,661	61	5,067,609.93	47	\$157,750.534	47	0.198519677	30,568,064.44	0.198519677	47	0.198519677	20,770,427.22

Appendix A

Alternative C - 75 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3,500	Condensate Production	Value/bbl \$21	NG Production	Discount Factor	PV of LOP Production	Natural Gas Condensate	Discount Factor	PV of LOP Production	Condensate Labor Earnings	Discount Factor	PV of LOP Labor
22,475.30	78,663,561.96	213,515.38	\$4,483,823	48	0.191806451	15,088,178.65	48	0.191806451	860,026.18	48	0.191806451	569,397.69
19,317.22	67,610,269.34	183,513.59	\$3,853,785	49	0.185320243	12,529,551.52	49	0.185320243	714,184.44	49	0.185320243	472,840.22
16,348.62	57,220,174.30	155,311.90	\$3,261,550	50	0.179053375	10,245,465.30	50	0.179053375	583,991.52	50	0.179053375	386,643.37
13,558.14	47,453,484.88	128,802.32	\$2,704,849	51	0.172998429	8,209,378.36	51	0.172998429	467,934.57	51	0.172998429	309,805.52
10,935.08	38,272,796.62	103,883.31	\$2,181,549	52	0.167148241	6,397,230.64	52	0.167148241	364,642.15	52	0.167148241	241,418.69
8,469.41	29,642,949.27	80,459.43	\$1,689,648	53	0.161495885	4,787,214.33	53	0.161495885	272,871.22	53	0.161495885	180,659.89
6,151.68	21,500,892.75	58,440.99	\$1,227,261	54	0.156034672	3,359,565.78	54	0.156034672	191,495.25	54	0.156034672	126,783.29
3,973.02	13,905,539.01	37,743.66	\$792,617	55	0.150758137	2,096,376.17	55	0.150758137	119,493.44	55	0.150758137	79,113.04
1,925.07	6,737,744.88	18,288.16	\$384,051	56	0.145660036	981,420.16	56	0.145660036	55,940.95	56	0.145660036	37,036.83
-	-	-	\$0	57	0.140734334	-	57	0.140734334	-	57	0.140734334	-
-	-	-	\$0	58	0.135975202	-	58	0.135975202	-	58	0.135975202	-
-	-	-	\$0	59	0.131377007	-	59	0.131377007	-	59	0.131377007	-
-	-	-	\$0	60	0.126934306	-	60	0.126934306	-	60	0.126934306	-
-	-	-	\$0	61	0.122641841	-	61	0.122641841	-	61	0.122641841	-
-	-	-	\$0	62	0.118494533	-	62	0.118494533	-	62	0.118494533	-
-	-	-	\$0	63	0.114487471	-	63	0.114487471	-	63	0.114487471	-
-	-	-	\$0	64	0.110615914	-	64	0.110615914	-	64	0.110615914	-
-	-	-	\$0	65	0.106875279	-	65	0.106875279	-	65	0.106875279	-
-	-	-	\$0	66	0.10326114	-	66	0.10326114	-	66	0.10326114	-
-	-	-	\$0	67	0.099769217	-	67	0.099769217	-	67	0.099769217	-
-	-	-	\$0	68	0.096395379	-	68	0.096395379	-	68	0.096395379	-
-	-	-	\$0	69	0.093135632	-	69	0.093135632	-	69	0.093135632	-
-	-	-	\$0	70	0.089986118	-	70	0.089986118	-	70	0.089986118	-
-	-	-	\$0	71	0.086943109	-	71	0.086943109	-	71	0.086943109	-
-	-	-	\$0	72	0.084003004	-	72	0.084003004	-	72	0.084003004	-
-	-	-	\$0	73	0.081162322	-	73	0.081162322	-	73	0.081162322	-
-	-	-	\$0	74	0.078417703	-	74	0.078417703	-	74	0.078417703	-
-	-	-	\$0	75	0.075765896	-	75	0.075765896	-	75	0.075765896	-
-	-	-	\$0	76	0.073203765	-	76	0.073203765	-	76	0.073203765	-
-	-	-	\$0	77	0.070728275	-	77	0.070728275	-	77	0.070728275	-
-	-	-	\$0	78	0.068336498	-	78	0.068336498	-	78	0.068336498	-
-	-	-	\$0	79	0.066025601	-	79	0.066025601	-	79	0.066025601	-
-	-	-	\$0	80	0.063792852	-	80	0.063792852	-	80	0.063792852	-
-	-	-	\$0	81	0.061635605	-	81	0.061635605	-	81	0.061635605	-
6,657,053.26	\$23,299,689,896	63,242,065.93	1,328,082,124.57			12,907,227,648			735,711,976			487,092,957

Appendix A

Alternative C - 150 Wells/Year Development Rate

Total Production for Year	MMCF Natural Gas		Value/Bbl	NG Production	Natural Gas		Condensate		Labor Earnings	Discount Factor	PV of LOP Labor
	Price / MMCF	\$3-\$50			PV of LOP Production	Condensate	Discount Factor	PV of LOP Production			
120,448.71		421,570,493.36	\$24,029,518	1	407,314,486.34	1	0.966183575	23,216,925.72	1	0.966183575	15,371,234.09
180,836.42		632,927,472.25	\$36,076,866	2	590,844,567.90	2	0.9335107	33,678,140.37	2	0.9335107	22,297,292.30
226,967.82		794,387,382.14	\$45,280,081	3	716,491,904.80	3	0.901942706	40,840,038.57	3	0.901942706	27,038,971.50
265,660.06		929,810,209.33	\$52,999,182	4	810,275,880.15	4	0.871442228	46,185,735.17	4	0.871442228	30,578,191.17
299,594.16		1,048,579,569.40	\$59,769,035	5	882,875,860.75	5	0.841973167	50,323,924.06	5	0.841973167	33,317,969.23
330,151.68		1,155,630,889.00	\$65,865,261	6	940,025,122.72	6	0.813500644	53,581,431.99	6	0.813500644	35,474,668.08
358,154.60		1,253,541,000.08	\$71,451,843	7	985,271,973.51	7	0.785990961	56,160,502.49	7	0.785990961	37,182,193.74
384,138.59		1,344,485,070.45	\$76,635,649	8	1,021,017,499.66	8	0.759411556	58,197,997.48	8	0.759411556	38,531,158.40
408,788.33		1,430,759,148.12	\$81,553,271	9	1,049,792,300.72	9	0.733730972	59,838,161.14	9	0.733730972	39,617,061.84
311,610.74		1,090,637,605.04	\$62,166,343	10	773,173,517.16	10	0.708918814	44,070,890.48	10	0.708918814	29,178,022.19
273,097.90		955,842,642.67	\$54,483,031	11	654,700,321.10	11	0.684945714	37,317,918.30	11	0.684945714	24,707,080.72
228,165.26		798,578,395.59	\$45,518,969	12	510,614,342.59	12	0.661783298	32,680,188.62	12	0.661783298	21,656,578.21
212,400.06		743,400,214.40	\$42,373,812	13	459,259,115.34	13	0.639404153	29,105,017.53	13	0.639404153	19,269,564.06
186,972.44		654,403,556.35	\$39,684,802	14	415,569,933.85	14	0.61778179	26,177,769.57	14	0.61778179	17,331,520.49
155,677.98		544,872,925.01	\$35,127,812	15	377,398,399.59	15	0.596890619	23,687,486.23	15	0.596890619	15,682,778.16
129,303.63		452,562,691.36	\$33,040,167	16	343,392,094.38	16	0.576705912	21,511,708.78	16	0.576705912	14,242,260.80
121,545.41		425,408,919.02	\$31,057,757	17	312,062,143.62	17	0.557203779	19,573,349.38	17	0.557203779	12,958,930.86
109,933.66		353,337,813.73	\$27,442,632	18	292,831,751.39	18	0.53836114	17,787,542.19	18	0.53836114	11,776,601.18
89,202.65		312,209,281.65	\$24,248,308	19	257,404,462.91	19	0.52015569	16,154,868.89	19	0.52015569	10,695,656.88
78,819.46		275,868,112.55	\$22,793,409	20	233,777,957.20	20	0.502565884	14,672,054.39	20	0.502565884	9,713,929.62
69,644.87		259,316,019.57	\$14,781,013	21	212,320,072.11	21	0.485570903	13,325,343.56	21	0.485570903	8,822,312.55
65,466.18		229,131,628.95	\$13,894,152	22	192,831,751.39	22	0.469150631	12,102,244.11	22	0.469150631	8,012,534.88
57,845.92		202,460,703.26	\$12,276,873	23	175,132,313.38	23	0.453285634	10,991,409.83	23	0.453285634	7,277,084.63
51,112.65		178,894,274.86	\$10,847,844	24	159,057,271.16	24	0.437957134	9,982,536.16	24	0.437957134	6,609,139.47
48,045.89		168,160,619.59	\$9,585,155	25	144,457,808.77	25	0.423146989	9,066,264.46	25	0.423146989	6,002,803.30
45,163.14		158,070,984.54	\$8,469,444	26	131,198,393.88	26	0.408837671	8,234,095.10	26	0.408837671	5,451,548.79
42,453.35		148,586,728.15	\$7,279,372	27	119,156,027.45	27	0.395012242	7,478,308.45	27	0.395012242	4,951,164.99
36,488.08		127,708,286.53	\$6,166,229	28	108,218,998.98	28	0.38165434	6,791,893.56	28	0.38165434	4,496,710.16
30,880.73		108,082,551.45	\$5,109,159	29	98,285,852.68	29	0.368748155	6,168,482.94	29	0.368748155	4,083,968.58
25,609.82		89,654,360.34	\$4,293,262	30	89,264,443.76	30	0.356278411	5,602,293.60	30	0.356278411	3,709,111.51
20,655.16		72,293,060.28	\$3,191,558	31	81,071,087.78	31	0.344230348	5,088,073.29	31	0.344230348	3,368,661.58
15,997.78		55,992,237.51	\$2,318,159	32	73,629,779.42	32	0.332589709	4,621,052.00	32	0.332589709	3,059,460.71
11,619.85		40,669,464.08	\$1,497,165	33	66,871,489.79	33	0.321342714	4,198,897.43	33	0.321342714	2,778,640.62
7,504.59		26,266,055.90	\$1,209,58	34	60,871,489.79	34	0.310476052	3,811,674.92	34	0.310476052	2,523,596.28
				35	55,158,951.08	35	0.299976862	3,461,811.00	35	0.299976862	2,291,961.82
				36	50,096,051.85	36	0.289832717	3,144,060.21	36	0.289832717	2,081,388.50
				37	45,497,863.84	37	0.28003161	2,855,474.96	37	0.28003161	1,890,524.80
				38	41,321,731.97	38	0.270561942	2,593,378.24	38	0.270561942	1,716,998.39
				39	37,528,916.67	39	0.261412505	2,355,338.72	39	0.261412505	1,559,399.52
				40	31,164,828.15	40	0.252527468	2,139,148.25	40	0.252527468	1,416,266.26
				41	25,419,235.71	41	0.24403137	1,776,395.20	41	0.24403137	1,176,098.28
				42	20,419,606.89	42	0.235779102	1,452,565.59	42	0.235779102	961,700.36
				43	15,911,869.88	43	0.227805895	1,163,896.44	43	0.227805895	770,881.12
				44	11,907,266.73	44	0.220102314	906,976.58	44	0.220102314	600,482.15
				45	8,356,267.98	45	0.212659241	678,714.20	45	0.212659241	449,356.43
				46	5,214,328.93	46	0.205467866	476,307.27	46	0.205467866	315,348.84
				47		47	0.198519677	297,216.75	47	0.198519677	196,778.35

Appendix A

Alternative C - 150 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3,500	Condensate Production	Value/Bbl \$21	Natural Gas PV of LOP Production	Condensate PV of LOP Production	Discount Factor	NG Production	Natural Gas PV of LOP Production	Condensate PV of LOP Production	Discount Factor	Condensate PV of LOP Production	Labor Earnings	Discount Factor	Labor PV of LOP Labor
3,636.24	12,726,851.44	34,544.31	\$725.431	2,441,092.21	48	0.191806451	48	2,441,092.21	48	0.191806451	139,142.26	48	0.191806451	92,121.94
-	-	-	\$0	-	49	0.185320243	49	-	49	0.185320243	-	49	0.185320243	-
-	-	-	\$0	-	50	0.179053375	50	-	50	0.179053375	-	50	0.179053375	-
-	-	-	\$0	-	51	0.172998429	51	-	51	0.172998429	-	51	0.172998429	-
-	-	-	\$0	-	52	0.167148241	52	-	52	0.167148241	-	52	0.167148241	-
-	-	-	\$0	-	53	0.161495885	53	-	53	0.161495885	-	53	0.161495885	-
-	-	-	\$0	-	54	0.156034672	54	-	54	0.156034672	-	54	0.156034672	-
-	-	-	\$0	-	55	0.150758137	55	-	55	0.150758137	-	55	0.150758137	-
-	-	-	\$0	-	56	0.145660036	56	-	56	0.145660036	-	56	0.145660036	-
-	-	-	\$0	-	57	0.140734334	57	-	57	0.140734334	-	57	0.140734334	-
-	-	-	\$0	-	58	0.135975202	58	-	58	0.135975202	-	58	0.135975202	-
-	-	-	\$0	-	59	0.131377007	59	-	59	0.131377007	-	59	0.131377007	-
-	-	-	\$0	-	60	0.126934306	60	-	60	0.126934306	-	60	0.126934306	-
-	-	-	\$0	-	61	0.122641841	61	-	61	0.122641841	-	61	0.122641841	-
-	-	-	\$0	-	62	0.118494533	62	-	62	0.118494533	-	62	0.118494533	-
-	-	-	\$0	-	63	0.114487471	63	-	63	0.114487471	-	63	0.114487471	-
-	-	-	\$0	-	64	0.110615914	64	-	64	0.110615914	-	64	0.110615914	-
-	-	-	\$0	-	65	0.106875279	65	-	65	0.106875279	-	65	0.106875279	-
-	-	-	\$0	-	66	0.10326114	66	-	66	0.10326114	-	66	0.10326114	-
-	-	-	\$0	-	67	0.099769217	67	-	67	0.099769217	-	67	0.099769217	-
-	-	-	\$0	-	68	0.096395379	68	-	68	0.096395379	-	68	0.096395379	-
-	-	-	\$0	-	69	0.093135632	69	-	69	0.093135632	-	69	0.093135632	-
-	-	-	\$0	-	70	0.089986118	70	-	70	0.089986118	-	70	0.089986118	-
-	-	-	\$0	-	71	0.086943109	71	-	71	0.086943109	-	71	0.086943109	-
-	-	-	\$0	-	72	0.084003004	72	-	72	0.084003004	-	72	0.084003004	-
-	-	-	\$0	-	73	0.081162322	73	-	73	0.081162322	-	73	0.081162322	-
-	-	-	\$0	-	74	0.078417703	74	-	74	0.078417703	-	74	0.078417703	-
-	-	-	\$0	-	75	0.075765896	75	-	75	0.075765896	-	75	0.075765896	-
-	-	-	\$0	-	76	0.073203765	76	-	76	0.073203765	-	76	0.073203765	-
-	-	-	\$0	-	77	0.070728275	77	-	77	0.070728275	-	77	0.070728275	-
-	-	-	\$0	-	78	0.068336498	78	-	78	0.068336498	-	78	0.068336498	-
-	-	-	\$0	-	79	0.066025601	79	-	79	0.066025601	-	79	0.066025601	-
-	-	-	\$0	-	80	0.063792852	80	-	80	0.063792852	-	80	0.063792852	-
-	-	-	\$0	-	81	0.061635605	81	-	81	0.061635605	-	81	0.061635605	-
6,657,053.26	\$23,299,689,896	63,242,005.93	1,328,082,124.57	14,660,748,008	835,662,636									\$53,267,308

Appendix A

Alternative C - 250 Wells/Year Development Rate

Total Production for Year	Natural Gas		Condensate Production		ValueBbl	Natural Gas		Condensate		Labor	
	MMCF	Price / MMCF \$3-\$50	MMCF	Price / MMCF \$3-\$50		PV of LOP Production	Discount Factor	Condensate	Discount Factor	PV of LOP Labor	Discount Factor
216,805.95	758,820,817.48	2,059,656.50	43,252,787	733,160,210.13	1	0.966183575	41,790,131.98	0.966183575	1	0.966183575	27,668,000.01
325,502.95	1,139,240,335.96	3,092,278.05	64,937,859	1,063,511,714.12	2	0.9335107	60,620,167.71	0.9335107	2	0.9335107	40,134,805.07
408,538.81	1,429,885,848.77	3,881,118.73	81,503,493	1,289,675,111.24	3	0.901942706	73,511,481.34	0.901942706	3	0.901942706	48,669,759.35
478,184.28	1,673,644,987.63	4,542,750.68	995,397,764	1,458,484,916.40	4	0.871442228	83,133,640.23	0.871442228	4	0.871442228	55,040,303.78
539,265.18	1,887,428,125.50	5,123,019.20	1,075,583,403	1,589,163,836.04	5	0.841973167	90,582,338.65	0.841973167	5	0.841973167	59,971,864.84
377,462.33	1,321,118,143.21	3,585,892.10	875,303,734	1,074,730,460.70	6	0.813500644	61,259,636.26	0.813500644	6	0.813500644	40,558,178.13
319,170.17	1,117,095,593.33	3,032,116.61	663,674,449	878,027,038.58	7	0.785990961	50,047,541.20	0.785990961	7	0.785990961	33,134,984.38
282,905.12	990,167,917.60	2,687,598.63	556,439,571	751,944,929.22	8	0.759411556	42,860,862.68	0.759411556	8	0.759411556	28,376,898.87
257,628.82	901,700,876.21	2,447,473.81	551,396,950	661,605,860.53	9	0.733730972	37,711,534.05	0.733730972	9	0.733730972	24,967,081.96
238,435.62	834,524,676.01	2,265,138.41	547,567,907	591,610,243.33	10	0.708918814	33,721,783.87	0.708918814	10	0.708918814	22,326,187.36
222,806.96	779,824,368.06	2,116,666.14	544,449,989	534,137,358.36	11	0.684945714	30,445,829.43	0.684945714	11	0.684945714	20,157,275.63
209,414.09	732,949,298.87	1,989,433.81	541,778,110	485,053,604.48	12	0.661783298	27,648,055.46	0.661783298	12	0.661783298	18,304,925.93
197,434.52	691,020,833.89	1,875,627.98	539,388,188	441,841,590.96	13	0.639404153	25,184,970.68	0.639404153	13	0.639404153	16,674,217.96
185,769.13	650,191,942.69	1,764,806.70	537,060,941	401,676,742.38	14	0.61778179	22,895,574.32	0.61778179	14	0.61778179	15,158,476.90
164,145.59	574,509,578.64	1,559,383.14	534,837,284	364,807,858.17	15	0.596890619	20,794,047.92	0.596890619	15	0.596890619	13,767,118.95
154,236.85	540,038,977.18	1,465,820.08	530,782,222	331,323,070.34	16	0.576705912	18,885,415.01	0.576705912	16	0.576705912	12,503,470.03
145,039.04	507,656,624.85	1,377,870.84	528,935,288	300,911,759.13	17	0.557203779	17,151,970.27	0.557203779	17	0.557203779	11,355,807.97
136,336.69	477,178,413.88	1,295,198.55	527,199,170	273,291,831.83	18	0.53836114	15,577,634.41	0.53836114	18	0.53836114	10,313,487.15
128,156.48	448,547,693.94	1,217,486.60	525,567,219	248,207,067.31	19	0.52015569	14,147,802.84	0.52015569	19	0.52015569	9,366,838.31
120,467.09	421,634,817.20	1,144,437.36	524,033,185	225,424,768.52	20	0.502565884	12,849,211.81	0.502565884	20	0.502565884	8,507,079.91
113,239.06	396,336,722.52	1,075,771.10	522,591,193	204,733,598.85	21	0.485570903	11,669,815.13	0.485570903	21	0.485570903	7,726,236.55
106,444.72	372,556,509.82	1,011,224.81	521,235,721	185,941,623.36	22	0.469150631	10,598,672.53	0.469150631	22	0.469150631	7,071,064.98
100,658.03	350,203,110.72	950,551.30	519,961,577	168,874,513.60	23	0.453285634	9,625,847.28	0.453285634	23	0.453285634	6,372,986.39
94,054.55	329,190,917.44	893,518.20	518,763,882	139,296,145.61	24	0.437957134	8,742,315.19	0.437957134	24	0.437957134	5,788,026.15
88,411.27	309,439,457.46	839,907.10	517,638,049	126,510,507.04	25	0.423146989	7,939,880.30	0.423146989	25	0.423146989	5,256,757.94
83,106.60	290,873,083.99	789,512.66	516,579,766	114,898,429.14	26	0.408837671	7,211,098.90	0.408837671	26	0.408837671	4,774,253.51
78,120.20	273,420,696.67	742,141.89	515,584,980	104,352,195.64	27	0.395012242	6,549,210.46	0.395012242	27	0.395012242	4,336,036.92
73,432.99	257,015,452.70	697,613.37	514,649,881	94,773,973.98	28	0.38165434	5,948,075.15	0.38165434	28	0.38165434	3,938,043.16
69,027.01	241,594,523.20	655,756.56	513,770,888	86,074,912.73	29	0.368748155	5,402,116.52	0.368748155	29	0.368748155	3,248,295.06
64,885.38	227,098,846.92	616,611.16	512,944,634	78,174,315.20	30	0.356278411	4,906,270.03	0.356278411	30	0.356278411	2,950,142.31
60,992.26	213,472,911.36	579,426.47	512,167,956	70,998,893.39	31	0.344230348	4,455,935.97	0.344230348	31	0.344230348	2,679,356.24
57,332.72	200,664,532.17	544,660.87	511,437,878	64,482,085.30	32	0.332589709	4,046,936.92	0.332589709	32	0.332589709	2,433,424.93
53,892.76	188,624,658.28	511,981.22	510,751,606	58,563,439.18	33	0.321342714	3,675,478.86	0.321342714	33	0.321342714	2,210,067.07
50,659.19	177,307,177.80	481,262.34	510,106,509	53,188,050.75	34	0.310476052	3,338,116.03	0.310476052	34	0.310476052	2,007,210.66
47,619.64	166,668,749.80	452,386.61	509,500,119	48,306,056.52	35	0.299976862	3,031,718.89	0.299976862	35	0.299976862	1,822,973.96
44,762.46	156,668,627.06	425,243.42	508,930,112	43,872,167.91	36	0.289832717	2,753,445.22	0.289832717	36	0.289832717	1,655,047.87
39,552.12	147,268,513.83	399,728.82	508,394,305	39,845,255.13	37	0.28003161	2,500,713.57	0.28003161	37	0.28003161	1,503,680.24
37,178.99	138,432,408.56	375,745.11	507,890,647	36,187,962.64	38	0.270561942	2,271,179.54	0.270561942	38	0.270561942	1,365,661.33
28,795.78	100,785,221.23	273,559.89	507,417,209	32,866,363.07	39	0.261412505	2,062,713.87	0.261412505	39	0.261412505	1,240,310.81
20,915.56	73,204,449.71	198,697.79	506,972,792	29,744,758	40	0.252527468	1,873,382.70	0.252527468	40	0.252527468	938,156.89
13,508.15	47,278,522.40	128,327.42	506,694,876	26,700,079.39	41	0.24403137	1,401,901.07	0.24403137	41	0.24403137	651,360.88
6,545.19	22,908,149.32	62,179.26	506,407,866	23,509,895	42	0.235779102	983,824.53	0.235779102	42	0.235779102	406,450.57
-	-	-	50	5,042,136.68	43	0.227805895	613,908.59	0.227805895	43	0.227805895	190,280.15
-	-	-	46	-	44	0.220102314	287,401.79	0.220102314	44	0.220102314	-
-	-	-	45	-	45	0.212659241	-	0.212659241	45	0.212659241	-
-	-	-	46	-	46	0.205467866	-	0.205467866	46	0.205467866	-
-	-	-	47	-	47	0.198519677	-	0.198519677	47	0.198519677	-

Appendix A

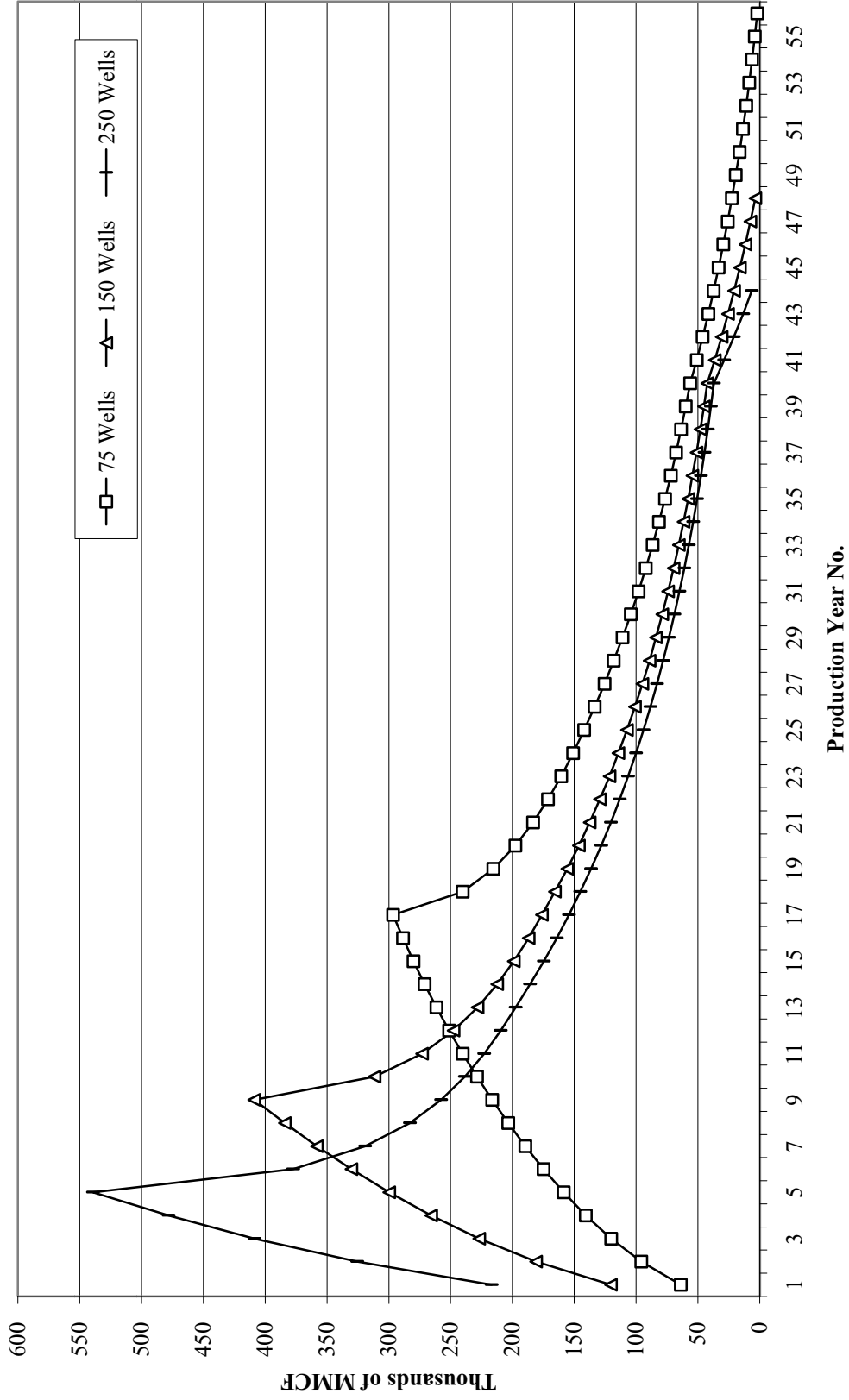
Alternative C - 250 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3,500	Condensate Production	Value/Bbl \$21	Natural Gas PV of LOP Production	Condensate PV of LOP Production	Natural Gas PV of LOP Production	Condensate PV of LOP Production	Condensate PV of LOP Production	Labor Earnings	Discount Factor	Labor PV of LOP Labor
-	-	-	\$0	0.191806451	0.191806451	0.191806451	0.191806451	48	0.191806451	48	
-	-	-	\$0	0.185320243	0.185320243	0.185320243	0.185320243	49	0.185320243	49	
-	-	-	\$0	0.179053375	0.179053375	0.179053375	0.179053375	50	0.179053375	50	
-	-	-	\$0	0.172998429	0.172998429	0.172998429	0.172998429	51	0.172998429	51	
-	-	-	\$0	0.167148241	0.167148241	0.167148241	0.167148241	52	0.167148241	52	
-	-	-	\$0	0.161495885	0.161495885	0.161495885	0.161495885	53	0.161495885	53	
-	-	-	\$0	0.156034672	0.156034672	0.156034672	0.156034672	54	0.156034672	54	
-	-	-	\$0	0.150758137	0.150758137	0.150758137	0.150758137	55	0.150758137	55	
-	-	-	\$0	0.145660036	0.145660036	0.145660036	0.145660036	56	0.145660036	56	
-	-	-	\$0	0.140734334	0.140734334	0.140734334	0.140734334	57	0.140734334	57	
-	-	-	\$0	0.135975202	0.135975202	0.135975202	0.135975202	58	0.135975202	58	
-	-	-	\$0	0.131377007	0.131377007	0.131377007	0.131377007	59	0.131377007	59	
-	-	-	\$0	0.126934306	0.126934306	0.126934306	0.126934306	60	0.126934306	60	
-	-	-	\$0	0.122641841	0.122641841	0.122641841	0.122641841	61	0.122641841	61	
-	-	-	\$0	0.118494533	0.118494533	0.118494533	0.118494533	62	0.118494533	62	
-	-	-	\$0	0.114487471	0.114487471	0.114487471	0.114487471	63	0.114487471	63	
-	-	-	\$0	0.110615914	0.110615914	0.110615914	0.110615914	64	0.110615914	64	
-	-	-	\$0	0.106875279	0.106875279	0.106875279	0.106875279	65	0.106875279	65	
-	-	-	\$0	0.10326114	0.10326114	0.10326114	0.10326114	66	0.10326114	66	
-	-	-	\$0	0.099769217	0.099769217	0.099769217	0.099769217	67	0.099769217	67	
-	-	-	\$0	0.096395379	0.096395379	0.096395379	0.096395379	68	0.096395379	68	
-	-	-	\$0	0.093135632	0.093135632	0.093135632	0.093135632	69	0.093135632	69	
-	-	-	\$0	0.089986118	0.089986118	0.089986118	0.089986118	70	0.089986118	70	
-	-	-	\$0	0.086943109	0.086943109	0.086943109	0.086943109	71	0.086943109	71	
-	-	-	\$0	0.084003004	0.084003004	0.084003004	0.084003004	72	0.084003004	72	
-	-	-	\$0	0.081162322	0.081162322	0.081162322	0.081162322	73	0.081162322	73	
-	-	-	\$0	0.078417703	0.078417703	0.078417703	0.078417703	74	0.078417703	74	
-	-	-	\$0	0.075765896	0.075765896	0.075765896	0.075765896	75	0.075765896	75	
-	-	-	\$0	0.073203765	0.073203765	0.073203765	0.073203765	76	0.073203765	76	
-	-	-	\$0	0.070728275	0.070728275	0.070728275	0.070728275	77	0.070728275	77	
-	-	-	\$0	0.068336498	0.068336498	0.068336498	0.068336498	78	0.068336498	78	
-	-	-	\$0	0.066025601	0.066025601	0.066025601	0.066025601	79	0.066025601	79	
-	-	-	\$0	0.063792852	0.063792852	0.063792852	0.063792852	80	0.063792852	80	
-	-	-	\$0	0.061635605	0.061635605	0.061635605	0.061635605	81	0.061635605	81	
6,657,000.00	\$23,299,503,500	63,241,500.00	1,328,071,500.00	15,661,571,739	892,709,589	15,661,571,739	892,709,589				591,036,394



Appendix A

LOF PRODUCTION CURVE  
Alternative C



Appendix A

Alternative D - 75 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3.500	Condensate Production		Value/bbl \$21	NG Production	Natural Gas		Condensate		Labor Earnings	Discount Factor	PV of LOP Labor
		MMCF	Production			PV of LOP Production	Discount Factor	PV of LOP Production	Discount Factor			
41,003.63	143,312,707.56	389,534.49	\$8,180.224	1	138,659,620.84	1	0.966183575	7,903,598.39	1	0.966183575	5,232,736.77	
61,561.06	215,463,692.70	584,830.02	\$12,281.430	2	201,137,662.68	2	0.9335107	11,464,846.77	2	0.9335107	7,590,533.11	
77,265.29	270,428,518.75	734,020.27	\$15,414.426	3	243,911,029.89	3	0.901942706	13,902,928.70	3	0.901942706	9,204,714.45	
90,437.06	316,239,697.32	859,132.04	\$18,042.193	4	275,837,344.56	4	0.871442228	15,722,728.64	4	0.871442228	10,409,549.71	
101,589.04	356,961,636.24	968,895.87	\$20,346.813	5	300,552,119.31	5	0.841973167	17,131,470.80	5	0.841973167	11,340,235.88	
112,391.55	393,730,430.73	1,067,719.74	\$22,422.115	6	320,007,098.85	6	0.813500644	18,240,404.63	6	0.813500644	12,076,427.90	
121,924.42	426,735,457.41	1,158,281.96	\$24,323.921	7	335,410,212.13	7	0.785990961	19,118,382.09	7	0.785990961	12,657,710.59	
130,769.99	457,094,966.27	1,242,314.91	\$26,088.613	8	347,578,846.61	8	0.759411556	19,811,994.26	8	0.759411556	13,116,930.51	
139,161.35	487,064,731.65	1,322,032.84	\$27,762.690	9	357,374,479.07	9	0.733730972	20,370,345.31	9	0.733730972	13,486,598.09	
147,083.40	514,791,907.93	1,397,292.32	\$29,343.139	10	364,945,668.68	10	0.708918814	20,801,903.11	10	0.708918814	13,772,319.64	
154,530.13	540,855,454.74	1,468,036.23	\$30,828.761	11	370,456,625.47	11	0.684945714	21,116,027.65	11	0.684945714	13,980,292.13	
161,530.05	565,355,189.46	1,534,535.51	\$32,225.246	12	374,142,621.98	12	0.661783298	21,326,129.45	12	0.661783298	14,119,394.27	
168,109.98	588,384,937.57	1,597,044.83	\$33,537.941	13	376,215,772.61	13	0.639404153	21,444,299.04	13	0.639404153	14,197,630.83	
174,295.11	610,032,900.13	1,655,803.59	\$34,771.875	14	376,867,217.17	14	0.61778179	21,481,431.38	14	0.61778179	14,222,219.64	
180,109.14	630,381,984.88	1,711,036.82	\$35,931.773	15	376,269,092.93	15	0.596890619	21,447,338.30	15	0.596890619	14,199,643.03	
185,574.32	649,510,124.26	1,762,956.05	\$37,022.077	16	374,576,328.38	16	0.576705912	21,350,850.72	16	0.576705912	14,135,761.48	
190,711.59	667,900,573.75	1,811,760.13	\$38,046.963	17	371,928,270.43	17	0.557203779	21,199,911.41	17	0.557203779	14,035,829.07	
195,540.63	684,392,196.22	1,857,635.96	\$39,010.355	18	368,450,162.65	18	0.53836114	21,001,659.27	18	0.53836114	13,904,572.24	
200,079.92	700,279,720.71	1,900,759.24	\$39,915.944	19	364,254,481.59	19	0.52015569	20,763,505.45	19	0.52015569	13,746,235.63	
204,346.86	715,213,993.37	1,941,295.12	\$40,767.198	20	359,442,133.54	20	0.502565884	20,488,202.73	20	0.502565884	13,564,627.98	
208,357.77	729,252,209.38	1,979,398.85	\$41,567.376	21	354,103,653.70	21	0.485570903	20,183,908.26	21	0.485570903	13,363,163.68	
212,128.04	742,448,132.70	2,015,216.36	\$42,319.544	22	348,320,009.76	22	0.469150631	19,854,240.56	22	0.469150631	13,144,900.53	
215,672.09	754,852,299.86	2,048,884.81	\$43,026.581	23	342,163,703.00	23	0.453285634	19,503,331.07	23	0.453285634	12,915,573.82	
219,003.49	766,312,216.52	2,080,533.16	\$43,691.196	24	335,699,493.44	24	0.437957134	19,134,871.13	24	0.437957134	12,668,627.48	
222,135.01	777,472,538.18	2,110,282.60	\$44,315.935	25	328,985,163.77	25	0.423146989	18,752,154.33	25	0.423146989	12,415,242.11	
225,078.64	787,275,240.57	2,138,247.08	\$44,903.189	26	322,072,194.46	26	0.408837671	18,358,115.08	26	0.408837671	12,154,360.47	
227,845.65	797,459,780.88	2,164,533.69	\$45,455.208	27	315,006,376.20	27	0.395012242	17,955,363.44	27	0.395012242	11,887,710.62	
230,446.64	806,362,488.71	2,189,243.10	\$45,974.105	28	307,828,364.68	28	0.38165434	17,546,216.79	28	0.38165434	11,616,826.83	
232,891.57	815,120,508.04	2,212,469.95	\$46,461.869	29	300,574,183.42	29	0.368748155	17,132,728.45	29	0.368748155	11,343,068.53	
235,189.81	823,164,331.76	2,234,303.19	\$46,920.367	30	293,275,679.78	30	0.356278411	16,716,713.75	30	0.356278411	11,067,637.60	
196,346.52	687,212,818.05	1,865,291.93	\$39,171.131	31	236,559,507.79	31	0.344230348	13,483,891.94	31	0.344230348	8,927,282.70	
177,819.82	622,369,355.22	1,689,288.25	\$35,475.053	32	206,993,642.50	32	0.332589709	11,798,637.62	32	0.332589709	7,811,526.08	
164,024.46	574,085,600.13	1,558,232.34	\$32,722.879	33	184,478,224.60	33	0.321342714	10,515,258.80	33	0.321342714	6,961,839.24	
152,647.04	534,364,628.30	1,450,146.85	\$30,453.084	34	165,876,372.42	34	0.310476052	9,454,953.23	34	0.310476052	6,259,842.54	
142,781.74	499,736,083.86	1,356,426.51	\$28,484.957	35	149,909,262.09	35	0.299976862	8,544,827.94	35	0.299976862	5,657,275.73	
133,964.71	468,876,480.44	1,272,664.73	\$26,725.959	36	135,895,744.06	36	0.289832717	7,746,057.41	36	0.289832717	5,128,433.59	
125,922.20	440,227,693.35	1,196,260.88	\$25,121.479	37	123,417,685.64	37	0.28003161	7,034,808.08	37	0.28003161	4,657,536.62	
118,477.56	414,071,490.11	1,125,536.79	\$23,636.273	38	112,194,312.93	38	0.270561942	6,395,075.84	38	0.270561942	4,233,988.98	
111,403.07	389,910,754.68	1,058,329.19	\$22,224.913	39	101,927,546.94	39	0.261412505	5,809,870.18	39	0.261412505	3,846,541.77	
104,718.89	369,916,103.89	994,829.42	\$20,891.418	40	92,571,876.99	40	0.252572468	5,276,596.99	40	0.252572468	3,493,477.49	
97,272.16	340,842,557.08	924,085.51	\$19,405.796	41	83,081,104.01	41	0.24403137	4,735,622.93	41	0.24403137	3,135,314.70	
90,272.23	315,932,822.36	857,586.23	\$18,009.311	42	74,495,072.63	42	0.235779102	4,246,219.14	42	0.235779102	2,811,295.05	
83,692.31	292,923,074.25	795,076.92	\$16,696.615	43	66,729,603.20	43	0.227805895	3,803,587.38	43	0.227805895	2,518,241.77	
77,507.17	272,125,111.69	736,318.16	\$15,462.681	44	59,708,279.90	44	0.220102314	3,403,371.95	44	0.220102314	2,253,271.07	
71,693.15	250,926,026.93	681,084.93	\$14,302.784	45	53,361,738.41	45	0.212659241	3,041,619.09	45	0.212659241	2,013,765.28	
66,227.97	231,397,887.56	629,165.69	\$13,212.480	46	47,627,017.21	46	0.205467866	2,714,739.98	46	0.205467866	1,797,348.38	
61,090.70	213,817,438.06	580,361.62	\$12,187.594	47	42,446,988.72	47	0.198519677	2,419,477.22	47	0.198519677	1,601,863.71	

Appendix A

Alternative D - 75 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price/ MMCF \$3,500	Condensate Production	Value/bbl \$21	NG Production	Natural Gas			Condensate			Labor PV of LOP Labor
					PV of LOP Production	Discount Factor	Condensate	PV of LOP Production	Discount Factor	Labor Earnings	
56,261.66	196,915,815.60	534,485.79	\$11,224,201	48	37,769,723.76	0.191806451	48	2,152,874.25	0.191806451	48	1,425,353.84
51,722.37	181,028,291.11	491,362.50	\$10,318,613	49	33,548,206.83	0.185320243	49	1,912,247.79	0.185320243	49	1,266,042.23
47,455.43	166,094,018.45	450,826.62	\$9,467,359	50	29,739,694.49	0.179053375	50	1,695,162.59	0.179053375	50	1,122,316.59
43,444.51	152,855,802.43	412,722.89	\$8,667,181	51	26,305,415.02	0.172998429	51	1,499,408.66	0.172998429	51	992,713.75
39,674.25	138,859,879.12	376,905.39	\$7,915,013	52	23,210,184.55	0.167148241	52	1,322,980.52	0.167148241	52	875,905.94
36,130.20	126,855,711.96	343,236.93	\$7,207,976	53	20,422,077.13	0.161495885	53	1,164,058.40	0.161495885	53	770,688.35
32,798.80	114,795,795.29	311,588.59	\$6,543,360	54	17,912,124.22	0.156034672	54	1,020,991.08	0.156034672	54	675,967.74
29,667.28	103,835,473.64	281,839.14	\$5,918,622	55	15,654,042.54	0.150758137	55	892,280.42	0.150758137	55	590,752.26
26,723.65	93,832,771.25	253,874.66	\$5,331,368	56	13,623,986.78	0.145660036	56	776,567.25	0.145660036	56	514,142.01
23,956.64	83,848,230.94	227,588.06	\$4,779,349	57	11,800,324.93	0.140734334	57	672,618.52	0.140734334	57	445,320.66
21,355.65	74,744,763.10	202,878.64	\$4,260,451	58	10,163,434.25	0.135975202	58	579,315.75	0.135975202	58	385,547.68
18,910.72	66,187,503.78	179,651.80	\$3,772,688	59	8,695,516.12	0.131377007	59	495,644.42	0.131377007	59	328,151.39
16,612.48	58,143,680.06	157,818.56	\$3,314,190	60	7,380,427.67	0.126934306	60	420,684.38	0.126934306	60	278,522.58
14,452.14	50,882,486.21	137,295.32	\$2,883,202	61	6,203,529.25	0.122641841	61	353,601.17	0.122641841	61	234,108.79
12,421.42	43,974,963.90	118,003.47	\$2,478,073	62	5,151,545.53	0.118494533	62	293,638.10	0.118494533	62	194,409.03
10,512.54	36,793,892.94	99,869.14	\$2,097,252	63	4,212,439.76	0.114487471	63	240,109.07	0.114487471	63	158,969.05
8,718.20	30,513,686.19	82,822.86	\$1,739,280	64	3,375,299.30	0.110615914	64	192,392.06	0.110615914	64	127,377.04
7,031.51	24,610,291.71	66,799.36	\$1,402,787	65	2,630,231.81	0.106875279	65	149,923.21	0.106875279	65	99,259.69
5,446.03	19,061,100.66	51,737.27	\$1,086,483	66	1,968,270.98	0.10326114	66	112,191.45	0.10326114	66	74,278.61
3,955.67	13,844,861.06	37,578.91	\$789,157	67	1,381,290.95	0.099769217	67	78,733.58	0.099769217	67	52,127.16
2,554.74	8,941,595.44	24,270.04	\$509,671	68	861,928.48	0.096395379	68	49,129.92	0.096395379	68	32,527.46
1,237.86	4,332,525.49	11,759.71	\$246,954	69	403,512.50	0.093135632	69	23,000.21	0.093135632	69	15,227.75
-	-	-	\$0	70	0.089986118	0.089986118	70	-	0.089986118	70	-
-	-	-	\$0	71	0.086943109	0.086943109	71	-	0.086943109	71	-
-	-	-	\$0	72	0.084003004	0.084003004	72	-	0.084003004	72	-
-	-	-	\$0	73	0.081162322	0.081162322	73	-	0.081162322	73	-
-	-	-	\$0	74	0.078417703	0.078417703	74	-	0.078417703	74	-
-	-	-	\$0	75	0.075765896	0.075765896	75	-	0.075765896	75	-
-	-	-	\$0	76	0.073203765	0.073203765	76	-	0.073203765	76	-
-	-	-	\$0	77	0.070728275	0.070728275	77	-	0.070728275	77	-
-	-	-	\$0	78	0.068336498	0.068336498	78	-	0.068336498	78	-
-	-	-	\$0	79	0.066025601	0.066025601	79	-	0.066025601	79	-
-	-	-	\$0	80	0.063792852	0.063792852	80	-	0.063792852	80	-
-	-	-	\$0	81	0.061635605	0.061635605	81	-	0.061635605	81	-
7,554,068.67	\$26,439,243,855	71,763,652.39	1,507,036,700.21	12,065,732,798	687,746,769	0.191806451	48	2,152,874.25	0.191806451	48	1,425,353.84
											455,336,624

Appendix A

Alternative D - 150 Wells/Year Development Rate

Total Production for Year	MMCF Natural Gas		Condensate Production		Value/Bbl		Natural Gas		Condensate		Labor		
	Year	Price / MMCF	Condensate Production	Value/Bbl	NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor
82,006.70	287,023,458.16		779,063.67	\$16,360,337	1	0.966183575	277,317,350.88	1	0.966183575	15,807,089.00	1	0.966183575	10,465,402.19
123,121.27	430,924,447.29		1,169,652.07	\$24,562,693	2	0.9335107	462,272,582.60	2	0.9335107	22,929,537.21	2	0.9335107	15,180,962.72
154,529.53	540,853,349.87		1,468,030.52	\$30,828,641	3	0.901942706	487,818,733.75	3	0.901942706	27,805,667.82	3	0.901942706	18,409,303.37
180,872.88	633,055,078.36		1,718,292.36	\$36,084,139	4	0.871442228	551,670,927.75	4	0.871442228	31,445,242.88	4	0.871442228	20,818,957.47
203,976.69	713,918,404.87		1,937,778.53	\$40,093,349	5	0.841973167	601,100,140.23	5	0.841973167	34,262,707.99	5	0.841973167	22,684,317.09
224,781.57	786,735,497.36		2,135,424.92	\$44,843,923	6	0.813500644	640,009,834.00	6	0.813500644	36,480,560.54	6	0.813500644	24,152,691.12
243,847.17	853,465,095.76		2,316,548.12	\$48,647,510	7	0.785990961	670,815,850.53	7	0.785990961	38,236,503.48	7	0.785990961	25,315,248.57
261,538.20	915,538,201.31		2,484,612.88	\$52,176,870	8	0.759411556	695,152,933.55	8	0.759411556	39,623,718.33	8	0.759411556	26,233,682.16
278,320.81	974,122,821.57		2,644,047.66	\$55,925,001	9	0.733730972	714,744,084.90	9	0.733730972	40,740,412.84	9	0.733730972	26,973,012.28
294,164.80	1,029,576,796.03		2,794,565.59	\$58,685,877	10	0.708918814	729,886,360.87	10	0.708918814	41,605,522.57	10	0.708918814	27,544,451.49
309,058.15	1,081,703,534.24		2,938,082.45	\$61,057,101	11	0.684945714	740,908,199.30	11	0.684945714	42,231,767.36	11	0.684945714	27,960,393.63
323,057.91	1,130,702,669.59		3,069,050.10	\$64,450,052	12	0.661783298	748,280,142.07	12	0.661783298	42,651,968.10	12	0.661783298	28,238,596.00
338,217.67	1,176,761,851.78		3,194,067.88	\$67,075,426	13	0.639404153	752,426,415.05	13	0.639404153	42,888,305.66	13	0.639404153	28,395,068.05
348,587.85	1,220,057,481.71		3,311,584.59	\$69,543,276	14	0.61778179	753,729,295.29	14	0.61778179	42,962,569.83	14	0.61778179	28,444,236.15
360,215.82	1,260,755,373.73		3,422,050.30	\$71,863,056	15	0.596890619	752,533,054.96	15	0.596890619	42,894,384.13	15	0.596890619	28,399,092.43
369,139.41	1,301,987,933.49		3,516,824.39	\$73,683,312	16	0.576705912	753,619,423.83	16	0.576705912	42,962,569.83	16	0.576705912	28,444,236.15
378,249.06	1,342,161,671.03		3,607,075.426	\$75,150,713	17	0.557203779	750,738,338.48	17	0.557203779	42,894,384.13	17	0.557203779	28,399,092.43
387,494.813	1,382,991,000.00		3,692,202.21	\$76,747,200	18	0.53836114	745,720,875.27	18	0.53836114	42,894,384.13	18	0.53836114	28,399,092.43
396,829.31	1,424,785,225		3,776,404.94	\$78,448,664	19	0.52015569	739,216,794.78	19	0.52015569	42,894,384.13	19	0.52015569	28,399,092.43
406,244.23	1,468,829,804		3,853,345.80	\$80,290,262	20	0.502565884	732,326,307.16	20	0.502565884	42,894,384.13	20	0.502565884	28,399,092.43
415,744.14	1,514,997,115		3,929,910.00	\$82,269,262	21	0.485570903	726,186,613.02	21	0.485570903	42,894,384.13	21	0.485570903	28,399,092.43
425,326.03	1,563,826,115		4,007,075.12	\$84,375,706	22	0.469150631	720,321,581.74	22	0.469150631	42,894,384.13	22	0.469150631	28,399,092.43
435,000.00	1,615,210,000		4,085,875.06	\$86,604,200	23	0.453285634	714,951,911.10	23	0.453285634	42,894,384.13	23	0.453285634	28,399,092.43
444,775.14	1,669,159,154		4,166,990.29	\$88,945,388	24	0.437975134	710,000,000.00	24	0.437975134	42,894,384.13	24	0.437975134	28,399,092.43
454,650.00	1,725,357,678.53		4,251,970.84	\$91,418,664	25	0.423146989	705,469,889.22	25	0.423146989	42,894,384.13	25	0.423146989	28,399,092.43
464,625.50	1,783,826,046.61		4,341,212.56	\$94,000,000	26	0.408837671	701,289,843.65	26	0.408837671	42,894,384.13	26	0.408837671	28,399,092.43
474,700.00	1,844,000,000.00		4,434,987.76	\$96,744,000	27	0.395012242	697,420,000.00	27	0.395012242	42,894,384.13	27	0.395012242	28,399,092.43
484,875.16	1,908,826,115		4,532,826.16	\$99,644,000	28	0.38165434	693,800,000.00	28	0.38165434	42,894,384.13	28	0.38165434	28,399,092.43
495,150.00	1,977,115,115		4,635,379.828	\$102,696,000	29	0.368748155	690,200,000.00	29	0.368748155	42,894,384.13	29	0.368748155	28,399,092.43
505,525.00	2,049,000,000.00		4,742,826.115	\$105,896,000	30	0.356278411	687,100,000.00	30	0.356278411	42,894,384.13	30	0.356278411	28,399,092.43
516,000.00	2,124,000,000.00		4,855,326.115	\$109,244,000	31	0.344230348	684,200,000.00	31	0.344230348	42,894,384.13	31	0.344230348	28,399,092.43
526,575.14	2,202,000,000.00		4,974,826.115	\$112,744,000	32	0.332589709	681,400,000.00	32	0.332589709	42,894,384.13	32	0.332589709	28,399,092.43
537,150.00	2,284,000,000.00		5,100,000.00	\$116,396,000	33	0.321342714	678,700,000.00	33	0.321342714	42,894,384.13	33	0.321342714	28,399,092.43
547,725.14	2,369,000,000.00		5,231,250.00	\$120,196,000	34	0.310476052	676,100,000.00	34	0.310476052	42,894,384.13	34	0.310476052	28,399,092.43
558,300.00	2,456,000,000.00		5,368,000.00	\$124,124,000	35	0.299976862	673,600,000.00	35	0.299976862	42,894,384.13	35	0.299976862	28,399,092.43
568,875.16	2,545,000,000.00		5,510,000.00	\$128,188,000	36	0.289832717	671,200,000.00	36	0.289832717	42,894,384.13	36	0.289832717	28,399,092.43
579,450.00	2,636,000,000.00		5,658,000.00	\$132,376,000	37	0.28003161	669,400,000.00	37	0.28003161	42,894,384.13	37	0.28003161	28,399,092.43
590,025.00	2,729,000,000.00		5,812,000.00	\$136,692,000	38	0.27061942	667,800,000.00	38	0.27061942	42,894,384.13	38	0.27061942	28,399,092.43
600,600.00	2,824,000,000.00		5,972,000.00	\$141,244,000	39	0.261412505	666,300,000.00	39	0.261412505	42,894,384.13	39	0.261412505	28,399,092.43
611,175.14	2,921,000,000.00		6,138,000.00	\$145,944,000	40	0.252527468	664,900,000.00	40	0.252527468	42,894,384.13	40	0.252527468	28,399,092.43
621,750.00	3,020,000,000.00		6,310,000.00	\$150,788,000	41	0.24403137	663,600,000.00	41	0.24403137	42,894,384.13	41	0.24403137	28,399,092.43
632,325.14	3,121,000,000.00		6,488,000.00	\$155,768,000	42	0.235779102	662,400,000.00	42	0.235779102	42,894,384.13	42	0.235779102	28,399,092.43
642,900.00	3,224,000,000.00		6,672,000.00	\$160,892,000	43	0.227805895	661,300,000.00	43	0.227805895	42,894,384.13	43	0.227805895	28,399,092.43
653,475.14	3,328,000,000.00		6,862,000.00	\$166,244,000	44	0.22020314	660,300,000.00	44	0.22020314	42,894,384.13	44	0.22020314	28,399,092.43
664,050.00	3,433,000,000.00		7,058,000.00	\$171,844,000	45	0.212659241	659,400,000.00	45	0.212659241	42,894,384.13	45	0.212659241	28,399,092.43
674,625.14	3,539,000,000.00		7,260,000.00	\$177,592,000	46	0.205467866	658,600,000.00	46	0.205467866	42,894,384.13	46	0.205467866	28,399,092.43
685,200.00	3,646,000,000.00		7,468,000.00	\$183,496,000	47	0.198519677	657,900,000.00	47	0.198519677	42,894,384.13	47	0.198519677	28,399,092.43

Appendix A

Alternative D - 150 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3,500	Value/bbl \$21	Natural Gas		Condensate		Labor		
			MMCF	PV of LOP Production	Condensate	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor
21,024.94	73,587,284.15	199,736.91	48	14,114,515.82	48	804,527.40	48	0.191806451	532,653.60
17,436.27	61,026,956.30	165,644.60	49	11,309,530.35	49	644,643.23	49	0.185320243	426,799.06
14,062.93	49,220,247.83	133,597.82	50	8,813,051.47	50	502,343.93	50	0.179053375	332,586.94
10,891.98	38,121,941.39	103,473.84	51	6,595,035.99	51	375,917.05	51	0.172998429	248,883.47
7,911.30	27,689,533.32	75,157.30	52	4,628,256.79	52	263,810.64	52	0.167148241	174,661.15
5,109.45	17,883,068.94	48,539.76	53	2,888,042.05	53	164,618.40	53	0.161495885	108,988.93
2,475.71	8,664,991.90	23,519.26	54	1,352,039.17	54	77,066.23	54	0.156034672	51,023.25
-	-	-	55	-	55	-	55	0.150758137	-
-	-	-	56	-	56	-	56	0.145660036	-
-	-	-	57	-	57	-	57	0.140734334	-
-	-	-	58	-	58	-	58	0.135975202	-
-	-	-	59	-	59	-	59	0.131377007	-
-	-	-	60	-	60	-	60	0.126934306	-
-	-	-	61	-	61	-	61	0.122641841	-
-	-	-	62	-	62	-	62	0.118494533	-
-	-	-	63	-	63	-	63	0.114487471	-
-	-	-	64	-	64	-	64	0.110615914	-
-	-	-	65	-	65	-	65	0.106875279	-
-	-	-	66	-	66	-	66	0.10326114	-
-	-	-	67	-	67	-	67	0.099769217	-
-	-	-	68	-	68	-	68	0.096395379	-
-	-	-	69	-	69	-	69	0.093135632	-
-	-	-	70	-	70	-	70	0.089986118	-
-	-	-	71	-	71	-	71	0.086943109	-
-	-	-	72	-	72	-	72	0.084003004	-
-	-	-	73	-	73	-	73	0.081162322	-
-	-	-	74	-	74	-	74	0.078417703	-
-	-	-	75	-	75	-	75	0.075765896	-
-	-	-	76	-	76	-	76	0.073203765	-
-	-	-	77	-	77	-	77	0.070728275	-
-	-	-	78	-	78	-	78	0.068336498	-
-	-	-	79	-	79	-	79	0.066025601	-
-	-	-	80	-	80	-	80	0.063792852	-
-	-	-	81	-	81	-	81	0.061635605	-
7,554,017.17	\$26,439,063,589	71,763,163.10	81	15,111,430.165	81	861,251,519	81	0.061635605	570,275,152

Appendix A

Alternative D - 250 Wells/Year Development Rate

Total Production for Year	MMCF Natural Gas		Condensate Production		ValueBbl		Natural Gas		Condensate		Labor	
	Price/ MMCF	\$3,500	Condensate Production	MMCF	ValueBbl	PV of LOP Production	Discount Factor	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor
136,677.84	478,372,430.26	1,298,439.45	2,272,627.229	1	0.96618375	462,195,584.79	1	0.96618375	26,345,148.33	1	0.96618375	17,442,356.98
205,202.12	718,207,412.16	1,949,420.12	\$40,937,822	2	0.9335107	670,454,304.33	2	0.9335107	38,215,895.35	2	0.9335107	25,301,604.54
257,549.21	901,422,249.78	2,446,717.54	\$51,381,068	3	0.901942706	813,031,222.91	3	0.901942706	46,342,779.71	3	0.901942706	30,682,172.29
301,454.80	1,055,091,797.27	2,863,820.59	\$60,140,232	4	0.871442228	919,451,546.24	4	0.871442228	52,408,738.14	4	0.871442228	34,698,262.45
339,961.15	1,189,864,008.12	3,229,630.88	\$67,822,248	5	0.841973167	1,001,833,567.05	5	0.841973167	57,104,513.32	5	0.841973167	37,807,195.15
374,635.95	1,311,225,828.93	3,559,041.54	\$74,739,872	6	0.813500644	1,066,683,056.67	6	0.813500644	60,800,934.23	6	0.813500644	40,254,485.19
406,411.95	1,422,441,826.27	3,860,913.53	\$81,079,184	7	0.785990961	1,118,026,417.54	7	0.785990961	63,727,505.80	7	0.785990961	42,192,080.95
435,897.00	1,525,639,485.51	4,141,021.46	\$86,961,451	8	0.759411556	1,158,588,255.92	8	0.759411556	66,039,530.59	8	0.759411556	43,722,803.60
463,868.01	1,623,538,035.94	4,406,746.10	\$92,541,668	9	0.733730972	1,191,240,141.50	9	0.733730972	67,900,688.07	9	0.733730972	44,955,020.46
359,894.80	1,237,588,896.46	3,359,169.86	\$70,542,567	10	0.708918814	877,350,052.34	10	0.708918814	50,008,952.98	10	0.708918814	33,109,436.28
280,880.63	1,084,631,811.58	2,944,000.63	\$61,824,013	11	0.684945714	742,913,910.31	11	0.684945714	42,346,092.89	11	0.684945714	28,036,085.15
258,907.99	983,082,199.55	2,668,365.97	\$56,035,685	12	0.661783298	650,587,380.51	12	0.661783298	37,083,480.69	12	0.661783298	24,551,866.57
241,018.61	843,565,128.06	2,289,676.78	\$48,083,212	13	0.639404153	579,413,948.17	13	0.639404153	33,026,595.05	13	0.639404153	21,865,923.58
225,723.75	790,033,127.28	2,144,375.63	\$45,031,888	14	0.61778179	521,139,175.03	14	0.61778179	29,704,932.98	14	0.61778179	19,666,750.19
199,803.98	657,735,730.55	1,785,331.55	\$37,491,963	15	0.596890619	471,563,362.08	15	0.596890619	26,879,111.64	15	0.596890619	17,795,858.16
187,929.64	617,571,591.81	1,678,211.63	\$35,242,444	16	0.576705912	428,248,637.97	16	0.576705912	24,410,172.36	16	0.576705912	16,161,247.10
176,653.86	581,191,166.12	1,577,518.88	\$33,127,896	17	0.557203779	389,660,361.22	17	0.557203779	22,210,640.59	17	0.557203779	14,705,002.71
166,054.62	546,319,674.86	1,482,867.69	\$31,140,221	18	0.53836114	354,109,047.92	18	0.53836114	20,184,215.73	18	0.53836114	13,363,367.25
156,091.34	513,500,482.36	1,393,895.59	\$29,271,807	19	0.52015569	321,606,278.29	19	0.52015569	18,331,557.86	19	0.52015569	12,136,777.73
146,725.85	482,728,041.10	1,310,261.83	\$27,515,498	20	0.502565884	292,086,852.43	20	0.502565884	16,648,950.59	20	0.502565884	11,022,773.64
129,646.96	453,764,344.96	1,231,646.08	\$25,864,568	21	0.485570903	265,276,937.76	21	0.485570903	15,120,785.45	21	0.485570903	10,011,021.08
121,868.13	426,538,471.52	1,157,747.28	\$24,312,693	22	0.469150631	240,927,841.22	22	0.469150631	14,272,380.10	22	0.469150631	9,092,134.87
114,556.04	400,946,155.68	1,088,282.42	\$22,853,931	23	0.453285634	218,813,685.96	23	0.453285634	13,372,886.95	23	0.453285634	8,257,900.88
107,682.68	376,889,379.18	1,022,985.46	\$21,482,695	24	0.437957134	198,729,331.98	24	0.437957134	12,472,380.10	24	0.437957134	7,499,647.53
101,221.72	354,276,011.17	961,606.32	\$20,193,733	25	0.423146989	180,488,470.03	25	0.423146989	11,327,571.92	25	0.423146989	6,811,273.88
95,148.41	333,019,444.97	903,909.92	\$18,982,108	26	0.408837671	163,921,892.40	26	0.408837671	10,287,842.79	26	0.408837671	6,186,084.38
89,439.51	313,038,273.58	849,675.31	\$17,843,182	27	0.395012242	148,875,918.77	27	0.395012242	9,343,547.87	27	0.395012242	5,618,279.42
84,073.13	294,255,970.09	798,694.78	\$16,772,590	28	0.38165434	135,210,977.36	28	0.38165434	8,485,927.37	28	0.38165434	5,102,591.86
79,028.75	276,600,607.64	750,773.08	\$15,766,235	29	0.368748155	122,800,305.90	29	0.368748155	7,707,025.71	29	0.368748155	4,634,237.94
69,829.80	244,404,291.76	663,383.08	\$13,931,045	30	0.356278411	111,528,778.57	30	0.356278411	6,357,140.38	30	0.356278411	4,208,873.05
74,287.02	260,004,568.43	705,726.69	\$14,820,260	31	0.344230348	101,291,835.11	31	0.344230348	5,775,634.60	31	0.344230348	3,822,551.27
65,640.01	229,740,032.04	623,580.09	\$13,095,182	32	0.332589709	91,994,515.49	32	0.332589709	5,245,687.38	32	0.332589709	3,471,689.03
61,701.61	215,955,628.53	586,165.28	\$12,309,471	33	0.321342714	83,550,573.58	33	0.321342714	4,762,382.69	33	0.321342714	3,153,081.55
57,999.51	202,998,289.42	550,995.36	\$11,570,902	34	0.299976862	68,916,693.81	34	0.299976862	4,325,255.73	34	0.299976862	2,600,778.19
54,519.54	190,818,393.45	517,935.64	\$10,876,648	35	0.289832717	62,591,006.48	35	0.289832717	3,928,251.55	35	0.289832717	2,362,059.40
51,248.37	179,369,292.25	486,859.51	\$10,224,050	36	0.28003161	56,845,937.86	36	0.28003161	3,567,687.37	36	0.28003161	2,145,252.00
48,173.47	168,607,137.76	457,647.95	\$9,610,607	37	0.270561942	51,628,195.15	37	0.270561942	3,240,218.46	37	0.270561942	1,948,344.83
41,404.45	144,915,538.27	393,342.23	\$8,260,187	38	0.261412505	46,889,375.93	38	0.261412505	2,672,694.43	38	0.261412505	1,769,511.27
35,041.56	122,645,473.58	332,894.86	\$6,990,792	39	0.252527468	42,585,520.94	39	0.252527468	2,427,374.69	39	0.252527468	1,607,092.39
29,060.46	101,711,593.83	276,074.33	\$5,797,561	40	0.24403137	35,363,942.25	40	0.24403137	2,015,744.71	40	0.24403137	1,334,564.45
23,438.21	82,033,746.39	222,663.03	\$4,675,924	41	0.235779102	23,170,500.70	41	0.235779102	1,648,282.66	41	0.235779102	1,091,278.79
18,153.31	63,536,688.98	172,456.40	\$3,621,584	42	0.227805895	18,055,817.43	42	0.227805895	1,320,718.54	42	0.227805895	874,408.36
13,185.49	46,149,222.20	125,262.17	\$2,630,506	43	0.220102314	13,511,638.53	43	0.220102314	1,029,181.59	43	0.220102314	681,390.44
8,515.75	29,805,114.91	80,899.60	\$1,698,892	44	0.205467866	9,482,182.18	44	0.205467866	770,163.40	44	0.205467866	509,902.21
				45	0.198519677	5,916,901.78	45	0.198519677	337,263.40	45	0.198519677	357,838.59
				46								
				47								

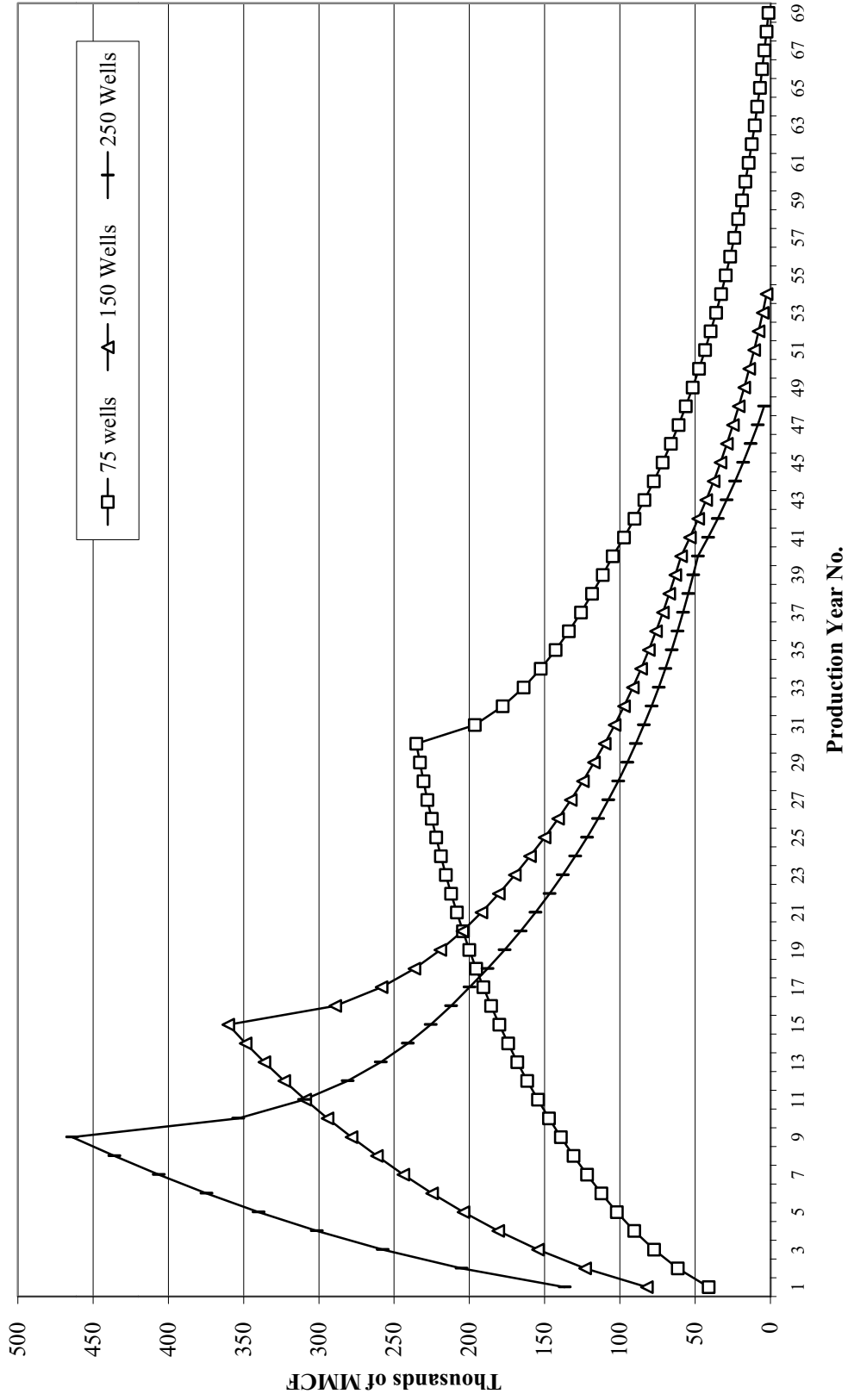
Appendix A

Alternative D - 250 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3,500	Condensate Production	Value/Bbl \$21	Natural Gas PV of LOP Production	Condensate PV of LOP Production	Discount Factor	NG Production	Natural Gas PV of LOP Production	Condensate PV of LOP Production	Discount Factor	Condensate PV of LOP Production	Labor Earnings	Discount Factor	Labor PV of LOP Labor
4,126.19	14,441,653.17	39,198.77	\$823,174	2,770,002.24	48	0.191806451	48	2,770,002.24	48	0.191806451	157,890.13	48	0.191806451	104,534.34
-	-	-	\$0	-	49	0.185320243	49	-	49	0.185320243	-	49	0.185320243	-
-	-	-	\$0	-	50	0.179053375	50	-	50	0.179053375	-	50	0.179053375	-
-	-	-	\$0	-	51	0.172998429	51	-	51	0.172998429	-	51	0.172998429	-
-	-	-	\$0	-	52	0.167148241	52	-	52	0.167148241	-	52	0.167148241	-
-	-	-	\$0	-	53	0.161495885	53	-	53	0.161495885	-	53	0.161495885	-
-	-	-	\$0	-	54	0.156034672	54	-	54	0.156034672	-	54	0.156034672	-
-	-	-	\$0	-	55	0.150758137	55	-	55	0.150758137	-	55	0.150758137	-
-	-	-	\$0	-	56	0.145660036	56	-	56	0.145660036	-	56	0.145660036	-
-	-	-	\$0	-	57	0.140734334	57	-	57	0.140734334	-	57	0.140734334	-
-	-	-	\$0	-	58	0.135975202	58	-	58	0.135975202	-	58	0.135975202	-
-	-	-	\$0	-	59	0.131377007	59	-	59	0.131377007	-	59	0.131377007	-
-	-	-	\$0	-	60	0.126934306	60	-	60	0.126934306	-	60	0.126934306	-
-	-	-	\$0	-	61	0.122641841	61	-	61	0.122641841	-	61	0.122641841	-
-	-	-	\$0	-	62	0.118494533	62	-	62	0.118494533	-	62	0.118494533	-
-	-	-	\$0	-	63	0.114487471	63	-	63	0.114487471	-	63	0.114487471	-
-	-	-	\$0	-	64	0.110615914	64	-	64	0.110615914	-	64	0.110615914	-
-	-	-	\$0	-	65	0.106875279	65	-	65	0.106875279	-	65	0.106875279	-
-	-	-	\$0	-	66	0.10326114	66	-	66	0.10326114	-	66	0.10326114	-
-	-	-	\$0	-	67	0.099769217	67	-	67	0.099769217	-	67	0.099769217	-
-	-	-	\$0	-	68	0.096395379	68	-	68	0.096395379	-	68	0.096395379	-
-	-	-	\$0	-	69	0.093135632	69	-	69	0.093135632	-	69	0.093135632	-
-	-	-	\$0	-	70	0.089986118	70	-	70	0.089986118	-	70	0.089986118	-
-	-	-	\$0	-	71	0.086943109	71	-	71	0.086943109	-	71	0.086943109	-
-	-	-	\$0	-	72	0.084003004	72	-	72	0.084003004	-	72	0.084003004	-
-	-	-	\$0	-	73	0.081162322	73	-	73	0.081162322	-	73	0.081162322	-
-	-	-	\$0	-	74	0.078417703	74	-	74	0.078417703	-	74	0.078417703	-
-	-	-	\$0	-	75	0.075765896	75	-	75	0.075765896	-	75	0.075765896	-
-	-	-	\$0	-	76	0.073203765	76	-	76	0.073203765	-	76	0.073203765	-
-	-	-	\$0	-	77	0.070728275	77	-	77	0.070728275	-	77	0.070728275	-
-	-	-	\$0	-	78	0.068336498	78	-	78	0.068336498	-	78	0.068336498	-
-	-	-	\$0	-	79	0.066025601	79	-	79	0.066025601	-	79	0.066025601	-
-	-	-	\$0	-	80	0.063792852	80	-	80	0.063792852	-	80	0.063792852	-
-	-	-	\$0	-	81	0.061635605	81	-	81	0.061635605	-	81	0.061635605	-
7,554,017.17	\$26,439,063,589	71,763,163.10	1,507,026,425.05	16,636,120,802				948,258,886						627,813,927

Appendix A

LOF PRODUCTION CURVE  
Alternative D





Appendix A

Alternative E - 75 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price/ MMCF \$3-5.00	Condensate Production		Value/bbl \$21	NG Production	Natural Gas		Condensate	Labor	
		PV of LOP Production	Discount Factor			PV of LOP Production	Discount Factor			PV of LOP Production
25,655.53	89,794,366.68	243,727.57	0.966183575	86,757,842.20	1	0.966183575	4,945,197.01	1	0.966183575	3,274,067.45
38,318.09	134,813,328.77	365,921.89	0.9335107	125,849,684.96	2	0.9335107	7,173,432.04	2	0.9335107	4,749,315.41
48,344.07	169,204,232.74	459,268.63	0.901942706	152,612,523.49	3	0.901942706	8,698,913.84	3	0.901942706	5,759,291.41
56,385.50	198,049,247.26	537,562.24	0.871442228	172,888,477.23	4	0.871442228	9,837,543.20	4	0.871442228	6,513,143.95
63,813.45	223,347,079.14	606,227.79	0.841973167	188,052,247.54	5	0.841973167	10,718,978.11	5	0.841973167	7,096,715.72
70,322.19	246,127,627.57	668,060.83	0.813500644	200,225,020.22	6	0.813500644	11,412,826.15	6	0.813500644	7,556,091.81
76,286.80	267,003,813.02	724,724.64	0.785990961	209,862,583.51	7	0.785990961	11,962,167.26	7	0.785990961	7,919,394.18
81,821.38	286,374,846.70	777,303.16	0.759411556	217,476,367.99	8	0.759411556	12,396,152.98	8	0.759411556	8,207,123.18
87,071.77	304,751,194.87	827,181.81	0.733730972	223,605,390.49	9	0.733730972	12,745,507.26	9	0.733730972	8,438,420.23
92,028.51	322,099,792.61	874,270.87	0.708918814	228,342,602.87	10	0.708918814	13,015,528.36	10	0.708918814	8,617,193.15
96,687.85	338,407,475.17	918,534.58	0.684945714	231,790,749.61	11	0.684945714	13,212,072.73	11	0.684945714	8,747,319.31
101,067.63	353,736,697.23	960,142.46	0.661783298	234,097,038.22	12	0.661783298	13,343,531.18	12	0.661783298	8,834,354.03
105,184.62	368,146,164.39	999,253.87	0.639404153	235,394,186.40	13	0.639404153	13,417,468.62	13	0.639404153	8,883,305.81
109,054.59	381,691,063.11	1,036,018.60	0.61778179	235,801,788.30	14	0.61778179	13,440,701.93	14	0.61778179	8,898,087.89
112,692.36	394,423,267.86	1,070,577.44	0.596890619	235,427,548.35	15	0.596890619	13,419,370.26	15	0.596890619	8,884,364.82
116,111.87	406,391,540.15	1,103,062.75	0.576705912	234,368,403.68	16	0.576705912	13,338,999.01	16	0.576705912	8,844,394.82
122,347.68	428,216,879.61	1,162,302.96	0.557203779	232,711,542.13	17	0.557203779	13,264,557.90	17	0.557203779	8,782,068.18
125,187.87	438,157,533.82	1,189,284.73	0.53836114	230,535,327.28	18	0.53836114	13,140,513.66	18	0.53836114	8,699,942.18
127,857.64	447,501,748.54	1,214,647.60	0.52015569	227,910,134.50	19	0.52015569	12,990,877.67	19	0.52015569	8,600,872.66
130,367.23	456,285,310.21	1,238,488.70	0.502565884	224,899,112.04	20	0.502565884	12,819,249.39	20	0.502565884	8,487,242.69
132,726.25	464,241,858.33	1,260,899.33	0.485570903	221,558,700.03	21	0.485570903	12,628,855.59	21	0.485570903	8,361,188.64
134,943.72	472,303,013.10	1,281,965.32	0.469150631	217,940,105.85	22	0.469150631	12,422,586.03	22	0.469150631	8,224,023.71
137,028.14	479,998,498.29	1,301,767.35	0.453285634	210,043,583.73	23	0.453285634	11,972,484.27	23	0.453285634	8,079,259.38
138,987.50	486,456,254.36	1,320,381.26	0.423146989	205,842,499.44	24	0.423146989	11,733,022.47	24	0.423146989	7,926,024.76
140,829.30	492,902,545.09	1,337,878.34	0.408837671	201,517,128.46	25	0.408837671	11,486,476.32	25	0.408837671	7,768,084.24
142,560.59	498,962,058.41	1,354,325.59	0.395012242	197,090,121.52	26	0.395012242	11,234,478.93	26	0.395012242	7,604,853.39
144,188.00	504,658,000.90	1,369,786.00	0.38165434	192,604,916.46	27	0.38165434	10,978,480.24	27	0.38165434	7,438,013.43
145,717.77	510,012,186.57	1,384,318.79	0.368748155	188,066,052.81	28	0.368748155	10,719,765.01	28	0.368748155	7,268,524.34
147,155.75	515,045,121.06	1,397,979.61	0.356278411	183,499,457.12	29	0.356278411	10,459,469.06	29	0.356278411	7,097,236.70
148,507.45	519,776,079.21	1,410,820.79	0.344230348	178,922,700.84	30	0.344230348	10,198,593.95	30	0.344230348	6,924,902.51
149,778.05	524,278,379.93	1,422,891.49	0.332589709	174,351,234.66	31	0.332589709	9,938,020.38	31	0.332589709	6,752,184.88
150,972.42	528,403,454.59	1,434,237.95	0.321342714	169,798,599.99	32	0.321342714	9,678,520.20	32	0.321342714	6,579,666.89
152,095.12	532,332,912.80	1,444,903.62	0.310476052	165,276,621.02	33	0.310476052	9,420,767.40	33	0.310476052	6,407,859.57
153,150.46	536,026,608.61	1,454,929.35	0.299976862	160,795,578.32	34	0.299976862	9,165,347.96	34	0.299976862	6,237,209.12
154,142.48	539,998,673.12	1,464,333.54	0.289832717	156,364,366.02	35	0.289832717	8,912,768.86	35	0.289832717	6,068,103.53
155,074.98	542,762,418.47	1,473,212.28	0.28003161	151,990,634.01	36	0.28003161	8,663,466.14	36	0.28003161	5,900,878.44
155,951.53	545,830,339.34	1,481,539.49	0.270561942	147,680,916.75	37	0.270561942	8,417,812.25	37	0.270561942	5,735,822.55
156,775.48	548,714,185.12	1,489,367.07	0.261412505	143,440,749.43	38	0.261412505	8,176,122.72	38	0.261412505	5,573,182.44
157,550.00	551,425,000.00	1,496,725.00	0.252572468	139,274,773.27	39	0.252572468	7,938,662.08	39	0.252572468	5,413,167.00
131,894.47	461,630,633.32	1,252,997.43	0.24403137	112,652,355.99	40	0.24403137	7,698,662.08	40	0.24403137	5,255,951.39
119,031.91	416,011,671.23	1,130,803.61	0.235779102	98,228,325.59	41	0.235779102	6,421,184.29	41	0.235779102	4,251,274.61
109,205.93	382,220,767.26	1,037,456.37	0.227805895	87,072,144.10	42	0.227805895	5,599,014.56	42	0.227805895	3,706,940.55
100,964.50	335,375,752.74	959,162.76	0.220102314	77,778,821.01	43	0.220102314	4,963,112.21	43	0.220102314	3,285,928.57
93,736.55	328,077,920.86	890,497.21	0.212659241	69,768,801.61	44	0.212659241	4,433,392.80	44	0.212659241	2,935,217.15
87,227.81	305,297,327.43	828,664.17	0.205467866	62,728,790.24	45	0.205467866	3,976,821.69	45	0.205467866	2,632,935.04
81,263.20	284,421,186.98	772,000.36	0.198519677	56,463,202.15	46	0.198519677	3,575,541.04	46	0.198519677	2,367,259.09
					47		3,218,402.52	47		2,130,808.32

Appendix A

Alternative E - 75 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price/ MMCF \$/3,500	Condensate Production Value/bbl \$/21	Natural Gas PV of LOP Production	Condensate PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor
75,728.62	265,650,153.30	719,421.84	50,838,329.28	48	0.191806451	2,897,784.77	1,918,536.87
70,478.23	246,073,805.13	669,543.19	45,713,649.42	49	0.185320243	2,605,678.02	1,725,141.70
65,521.49	229,325,207.39	622,454.13	41,061,452.25	50	0.179053375	2,340,502.78	1,549,577.08
60,662.15	213,017,524.83	578,190.42	36,851,697.25	51	0.172998429	2,100,546.74	1,390,709.35
56,482.37	197,688,302.77	536,582.54	33,043,252.09	52	0.167148241	1,883,465.37	1,246,886.25
52,365.38	183,278,835.61	497,471.13	29,598,777.77	53	0.161495885	1,687,130.33	1,116,998.68
48,495.41	169,733,938.89	460,706.40	26,484,379.10	54	0.156034672	1,509,609.61	999,467.50
44,857.64	157,001,732.14	426,147.56	23,669,288.61	55	0.150758137	1,349,149.45	893,231.61
41,438.13	145,033,459.85	393,602.25	21,125,578.92	56	0.145660036	1,204,158.00	797,237.10
38,223.80	133,783,284.85	363,126.06	18,827,901.47	57	0.140734334	1,073,190.38	710,327.35
35,202.32	123,208,120.39	334,422.04	16,753,249.03	58	0.135975202	954,935.19	632,334.11
29,692.36	103,923,251.46	282,077.40	13,191,425.79	60	0.126934306	751,911.27	561,569.39
27,182.77	95,139,689.79	258,236.30	11,668,106.75	61	0.122641841	665,082.08	497,818.03
24,823.75	86,883,141.67	235,825.67	10,295,177.28	62	0.118494533	586,825.10	440,331.01
22,606.28	79,121,986.90	214,759.68	9,068,476.20	63	0.114487471	516,333.14	388,519.40
20,521.86	71,826,501.71	194,957.65	7,943,154.16	64	0.110615914	452,873.79	299,834.23
18,562.50	64,968,745.64	176,343.74	6,943,552.85	65	0.106875279	395,782.51	262,035.80
16,720.70	58,222,454.91	158,846.66	6,043,095.39	66	0.10326114	344,456.44	228,054.33
14,989.41	52,362,941.59	142,399.41	5,234,186.60	67	0.099769217	298,348.64	197,327.73
13,362.00	46,766,999.10	126,939.00	4,508,122.59	68	0.096395379	256,962.99	170,127.53
11,832.23	41,412,133.43	112,406.21	3,857,008.54	69	0.093135632	219,849.49	145,555.79
10,394.25	36,379,878.94	98,745.39	3,273,684.06	70	0.089986118	186,599.99	123,542.29
9,042.55	31,648,920.79	85,904.21	2,751,655.56	71	0.086943109	156,844.37	103,841.98
7,771.95	27,201,820.07	73,833.51	2,285,034.59	72	0.084003004	130,246.97	86,232.64
6,577.58	23,021,545.41	62,487.05	1,868,482.09	73	0.081162322	106,503.48	70,512.78
5,454.88	19,092,087.20	51,821.38	1,497,157.62	74	0.078417703	85,337.98	56,899.73
4,399.54	15,398,396.39	41,795.65	1,166,673.30	75	0.075765896	66,500.38	44,027.92
3,407.52	11,926,328.88	32,371.46	873,052.03	76	0.073203765	49,763.97	32,947.24
2,475.02	8,662,581.53	23,512.72	612,689.45	77	0.070728275	34,923.30	23,121.67
1,598.47	5,594,660.66	15,185.51	382,319.51	78	0.068336498	21,792.21	14,427.97
774.52	2,710,814.88	7,357.93	178,983.18	79	0.066025601	10,202.04	6,754.47
-	-	-	-	80	0.063792852	-	-
-	-	-	-	81	0.061635605	-	-
6,302,000.00	\$22,057,003,500	59,869,000.00	8,765,636,425	81	0.061635605	499,641,276	330,797,587

Appendix A

Alternative E - 150 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3.500	Condensate Production		Natural Gas		Condensate		Labor			
		Value/bbl \$21	NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor
48,868.00	171,087,992.37	464,245.98	1	0.96183575	165,254,098.91	1	0.96183575	9,419,483.64	1	0.96183575	6,236,359.18
73,368.27	256,988,949.60	696,998.58	2	0.9335107	239,715,232.18	2	0.9335107	13,663,768.23	2	0.9335107	9,046,373.43
92,084.53	322,239,855.97	874,803.04	3	0.901942706	290,692,396.36	3	0.901942706	16,569,466.59	3	0.901942706	10,970,149.65
107,782.60	377,239,095.23	1,023,934.69	4	0.871442228	328,742,077.52	4	0.871442228	18,738,298.52	4	0.871442228	12,406,068.52
121,550.22	425,425,752.56	1,154,727.04	5	0.841973167	358,197,068.14	5	0.841973167	20,417,232.88	5	0.841973167	13,517,640.96
133,947.90	468,817,639.02	1,272,505.02	6	0.813500644	381,383,451.41	6	0.813500644	21,738,856.73	6	0.813500644	14,392,648.69
145,309.14	508,381,972.63	1,380,436.78	7	0.785909061	399,740,833.25	7	0.785909061	22,785,227.50	7	0.785909061	15,085,419.57
155,851.26	545,879,417.67	1,480,586.99	8	0.759411556	414,243,373.46	8	0.759411556	23,611,872.29	8	0.759411556	15,632,716.43
165,852.06	580,482,211.44	1,575,594.57	9	0.733730972	425,917,777.34	9	0.733730972	24,277,313.31	9	0.733730972	16,073,285.08
175,293.54	613,237,372.71	1,665,288.58	10	0.708918814	434,941,097.24	10	0.708918814	24,791,642.54	10	0.708918814	16,413,807.13
184,168.52	644,389,825.61	1,749,600.96	11	0.684945714	441,509,038.17	11	0.684945714	25,166,015.18	11	0.684945714	16,661,668.08
192,511.01	673,389,532.20	1,828,854.59	12	0.661783298	445,901,997.19	12	0.661783298	25,416,413.84	12	0.661783298	16,827,449.57
200,352.95	701,235,313.39	1,903,352.99	13	0.639404153	448,372,771.57	13	0.639404153	25,557,247.98	13	0.639404153	16,920,691.65
207,724.37	727,085,286.91	1,973,381.49	14	0.61778179	449,149,161.14	14	0.61778179	25,601,502.19	14	0.61778179	16,949,991.04
214,653.50	751,287,261.96	2,039,208.28	15	0.596890619	448,436,318.56	15	0.596890619	25,560,870.16	15	0.596890619	16,923,089.79
221,166.89	774,084,118.16	2,101,085.46	16	0.576705912	446,418,887.11	16	0.576705912	25,445,876.57	16	0.576705912	16,846,955.96
227,289.47	795,513,161.17	2,159,250.01	17	0.557203779	443,262,939.99	17	0.557203779	25,265,987.58	17	0.557203779	16,772,856.83
233,044.70	815,666,461.53	2,213,924.68	18	0.53836114	439,117,742.11	18	0.53836114	25,029,711.30	18	0.53836114	16,571,425.35
238,454.62	834,591,163.13	2,265,318.87	19	0.52015569	434,117,342.65	19	0.52015569	24,744,688.53	19	0.52015569	16,382,720.28
243,539.94	852,389,782.20	2,313,629.41	20	0.502565884	428,382,024.77	20	0.502565884	24,417,775.41	20	0.502565884	16,166,280.85
248,230.14	869,120,483.77	2,359,041.31	21	0.485570903	422,019,617.98	21	0.485570903	24,055,118.22	21	0.485570903	15,926,176.34
253,945.53	885,809,313.20	1,937,482.52	22	0.469150631	414,687,107.36	22	0.469150631	23,669,280.20	22	0.469150631	15,637,856.44
183,669.04	642,941,641.29	1,744,855.88	23	0.453285634	291,390,880.66	23	0.453285634	16,609,280.20	23	0.453285634	10,996,509.05
168,923.14	591,230,986.84	1,604,769.82	24	0.437957134	258,933,828.46	24	0.437957134	14,759,228.22	24	0.437957134	9,771,644.82
156,957.21	549,350,224.36	1,491,093.47	25	0.423146989	232,455,893.49	25	0.423146989	13,249,985.93	25	0.423146989	8,772,420.51
146,697.80	513,442,926.26	1,393,629.09	26	0.408837671	209,914,552.08	26	0.408837671	11,965,129.47	26	0.408837671	7,921,755.37
137,597.83	481,992,413.40	1,307,179.41	27	0.395012242	190,234,899.10	27	0.395012242	10,843,389.25	27	0.395012242	7,179,084.62
129,336.45	452,077,564.06	1,228,696.25	28	0.38165434	172,766,357.12	28	0.38165434	9,847,682.36	28	0.38165434	6,519,856.79
121,708.18	425,978,633.69	1,156,227.72	29	0.368748155	157,078,835.23	29	0.368748155	8,953,493.61	29	0.368748155	5,927,841.08
114,446.41	400,562,443.68	1,087,240.92	30	0.356278411	142,711,750.78	30	0.356278411	8,134,569.79	30	0.356278411	5,385,656.05
107,579.63	376,528,689.40	1,022,006.44	31	0.344230348	129,612,601.94	31	0.344230348	7,387,918.31	31	0.344230348	4,891,320.37
101,124.85	353,916,959.17	960,686.03	32	0.332589709	106,910,956.01	32	0.332589709	6,709,800.04	32	0.332589709	4,442,358.49
95,057.35	332,700,731.88	903,044.84	33	0.321342714	84,886,261.13	33	0.321342714	5,534,578.65	33	0.321342714	4,034,605.66
89,353.91	312,738,681.29	848,862.13	34	0.310476652	97,097,871.02	34	0.310476652	5,026,573.75	34	0.310476652	3,664,279.46
83,992.67	293,974,354.70	797,930.39	35	0.299976862	88,185,504.33	35	0.299976862	4,565,197.32	35	0.299976862	3,327,944.56
78,953.11	276,315,888.06	750,054.55	36	0.289832717	80,091,181.12	36	0.289832717	4,146,169.47	36	0.289832717	3,022,480.99
74,215.92	259,555,729.77	705,051.27	37	0.28003161	72,739,815.27	37	0.28003161	3,765,603.15	37	0.28003161	2,745,055.15
69,762.97	244,170,383.26	662,748.18	38	0.270561942	66,063,213.13	38	0.270561942	3,419,968.04	38	0.270561942	2,493,093.54
65,577.19	229,520,157.93	622,983.29	39	0.261412505	59,999,439.34	39	0.261412505	3,106,057.90	39	0.261412505	2,264,258.84
61,642.56	215,748,946.55	585,604.28	40	0.252572468	54,492,243.94	40	0.252572468	2,822,722.48	40	0.252572468	2,056,428.30
56,557.24	197,950,377.48	537,293.75	41	0.24403137	48,306,089.65	41	0.24403137	2,553,447.11	41	0.24403137	1,822,975.21
51,777.04	181,219,625.90	491,881.84	42	0.235779102	42,727,800.60	42	0.235779102	2,435,484.63	42	0.235779102	1,612,461.74
47,283.65	165,992,766.10	449,194.65	43	0.227805895	37,700,227.75	43	0.227805895	2,148,912.98	43	0.227805895	1,422,731.19
43,059.86	150,709,518.79	409,068.69	44	0.220102314	33,171,513.88	44	0.220102314	1,890,776.29	44	0.220102314	1,251,826.59
39,089.50	136,813,268.87	371,350.30	45	0.212659241	29,094,605.48	45	0.212659241	1,658,392.51	45	0.212659241	1,097,972.22
35,357.37	123,750,790.08	335,895.00	46	0.205467866	25,426,810.71	46	0.205467866	1,449,328.21	46	0.205467866	959,556.98
31,849.16	111,472,061.86	302,567.03	47	0.198519677	22,129,397.71	47	0.198519677	1,261,375.67	47	0.198519677	835,119.21

Appendix A

Alternative E - 150 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price/ MMCF \$3,500	Condensate Production	Value/bbl \$21	NG Production	Natural Gas		Condensate		Labor Earnings	Discount Factor	PV of LOP Labor
					PV of LOP Production	Condensate	Discount Factor	PV of LOP Production			
28,551.44	99,930,057.26	271,238.73	\$5,696.013	48	19,167,229.64	48	1,092,532.09	48	0.191806451	0.191806451	723,332.91
25,451.59	89,080,572.99	241,790.13	\$5,077.593	49	16,508,433.40	49	940,980.70	49	0.185320243	0.185320243	622,995.26
22,537.73	78,882,058.31	214,108.44	\$4,496.277	50	14,124,098.73	50	805,073.63	50	0.179053375	0.179053375	533,015.24
19,798.70	69,295,454.56	188,087.66	\$3,949.841	51	11,988,004.81	51	683,316.27	51	0.172998429	0.172998429	452,403.33
17,224.01	60,284,047.57	163,628.13	\$3,436.191	52	10,076,372.52	52	574,333.23	52	0.167148241	0.167148241	380,262.15
14,803.81	51,813,324.89	140,636.17	\$2,953.360	53	8,367,638.76	53	476,955.41	53	0.161495885	0.161495885	315,777.95
12,528.81	43,850,845.59	119,023.72	\$2,499.498	54	6,842,232.29	54	390,008.38	54	0.156034672	0.156034672	258,212.92
10,390.32	36,366,114.99	98,708.03	\$2,072.869	55	5,482,487.74	55	312,501.80	55	0.150758137	0.150758137	206,898.12
8,380.13	29,330,468.07	79,611.27	\$1,671.837	56	4,272,277.02	56	243,519.79	56	0.145660036	0.145660036	161,227.19
6,490.56	22,716,959.66	61,660.32	\$1,294.867	57	3,197,056.19	57	182,232.20	57	0.140734334	0.140734334	120,650.51
4,714.36	16,800,261.75	44,786.42	\$940.515	58	2,243,626.42	58	127,886.71	58	0.135975202	0.135975202	84,669.97
3,044.73	10,656,565.25	28,924.96	\$607.424	59	1,400,027.64	59	79,801.58	59	0.131377007	0.131377007	52,834.24
1,475.28	5,163,490.22	14,015.19	\$294.319	60	655,424.05	60	37,359.17	60	0.126934306	0.126934306	24,734.39
-	-	-	\$0	61	-	61	-	61	0.122641841	0.122641841	-
-	-	-	\$0	62	-	62	-	62	0.118494533	0.118494533	-
-	-	-	\$0	63	-	63	-	63	0.114487471	0.114487471	-
-	-	-	\$0	64	-	64	-	64	0.110615914	0.110615914	-
-	-	-	\$0	65	-	65	-	65	0.106875279	0.106875279	-
-	-	-	\$0	66	-	66	-	66	0.10326114	0.10326114	-
-	-	-	\$0	67	-	67	-	67	0.099769217	0.099769217	-
-	-	-	\$0	68	-	68	-	68	0.096395379	0.096395379	-
-	-	-	\$0	69	-	69	-	69	0.093135632	0.093135632	-
-	-	-	\$0	70	-	70	-	70	0.089986118	0.089986118	-
-	-	-	\$0	71	-	71	-	71	0.086943109	0.086943109	-
-	-	-	\$0	72	-	72	-	72	0.084003004	0.084003004	-
-	-	-	\$0	73	-	73	-	73	0.081162322	0.081162322	-
-	-	-	\$0	74	-	74	-	74	0.078417703	0.078417703	-
-	-	-	\$0	75	-	75	-	75	0.075765896	0.075765896	-
-	-	-	\$0	76	-	76	-	76	0.073203765	0.073203765	-
-	-	-	\$0	77	-	77	-	77	0.070728275	0.070728275	-
-	-	-	\$0	78	-	78	-	78	0.068336498	0.068336498	-
-	-	-	\$0	79	-	79	-	79	0.066025601	0.066025601	-
-	-	-	\$0	80	-	80	-	80	0.063792852	0.063792852	-
-	-	-	\$0	81	-	81	-	81	0.061635605	0.061635605	-
6,302,040.66	\$22,057,145,803	59,869,386.25	1,257,257,111.28	-	11,491,676,343	-	655,025,552	-	-	-	433,672,882

Appendix A

Alternative E - 250 Wells/Year Development Rate

Total Production for Year	MMCF Natural Gas		Condensate Production		Value/bbl		NG Production		Natural Gas		Condensate		Labor	
	Price /MMCF	\$3.5/00	Condensate Production	Value/bbl	NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor	
78,941.25	276,294,369.67	749,941.86	\$15,748,779	1	266,951,081.81	0.966183575	15,216,211.66	1	0.966183575	10,074,199.93	1	0.966183575	10,074,199.93	
118,518.93	414,816,263.82	1,125,929.86	\$23,644,527	2	387,235,420.97	0.9353107	22,072,419.00	2	0.9353107	14,613,490.32	2	0.9353107	14,613,490.32	
148,753.13	520,635,965.95	1,413,154.76	\$29,676,250	3	469,583,811.80	0.901942706	26,766,277.27	3	0.901942706	17,721,153.89	3	0.901942706	17,721,153.89	
174,111.76	609,391,145.13	1,654,061.68	\$34,735,295	4	531,049,177.05	0.871442228	30,269,803.09	4	0.871442228	20,040,733.84	4	0.871442228	20,040,733.84	
196,351.93	687,231,757.78	1,865,343.34	\$39,172,210	5	578,630,609.46	0.841973167	32,981,949.87	5	0.841973167	21,836,365.34	5	0.841973167	21,836,365.34	
216,379.12	757,326,908.89	2,055,601.61	\$43,167,634	6	616,085,928.28	0.813300644	35,116,897.91	6	0.813300644	23,249,850.76	6	0.813300644	23,249,850.76	
234,732.03	821,562,119.65	2,229,954.32	\$46,829,041	7	645,740,339.68	0.785990961	36,807,802.78	7	0.785990961	24,168,951.20	7	0.785990961	24,168,951.20	
251,761.76	881,166,165.39	2,391,736.73	\$50,226,471	8	669,167,768.94	0.759411556	38,142,662.83	8	0.759411556	25,255,053.26	8	0.759411556	25,255,053.26	
267,917.03	937,709,595.93	2,545,211.76	\$53,449,447	9	688,026,573.45	0.733730972	39,217,514.69	9	0.733730972	25,964,746.83	9	0.733730972	25,964,746.83	
283,168.76	991,090,671.54	2,690,103.25	\$56,492,168	10	702,600,823.14	0.708918814	40,048,360.92	10	0.708918814	26,514,825.34	10	0.708918814	26,514,825.34	
297,505.40	1,041,268,884.73	2,826,301.26	\$59,352,326	11	713,212,659.44	0.684945714	40,653,121.59	11	0.684945714	26,915,219.34	11	0.684945714	26,915,219.34	
310,981.83	1,088,436,406.53	2,954,327.39	\$62,040,875	12	720,309,035.09	0.661783298	41,057,615.00	12	0.661783298	27,183,022.37	12	0.661783298	27,183,022.37	
323,649.68	1,132,773,872.15	3,074,671.94	\$64,568,111	13	724,300,318.19	0.639404153	41,285,118.14	13	0.639404153	27,333,645.41	13	0.639404153	27,333,645.41	
325,616.21	898,156,718.89	2,477,853.95	\$51,194,933	14	554,864,865.74	0.61778179	31,627,297.35	14	0.61778179	20,939,490.30	14	0.61778179	20,939,490.30	
228,231.83	798,811,408.06	2,168,202.39	\$45,532,250	15	476,803,035.52	0.596890619	27,177,73.02	15	0.596890619	17,518,021.15	15	0.596890619	17,518,021.15	
208,519.34	729,817,693.69	1,980,933.74	\$41,599,609	16	420,890,178.43	0.576705912	23,900,740.17	16	0.576705912	15,883,553.55	16	0.576705912	15,883,553.55	
193,051.13	675,678,940.07	1,833,985.69	\$38,513,700	17	376,490,859.09	0.557203779	21,459,78.97	17	0.557203779	14,208,012.04	17	0.557203779	14,208,012.04	
180,107.93	630,377,767.34	1,711,025.37	\$35,931,533	18	339,370,893.17	0.53836114	19,344,140.91	18	0.53836114	12,807,178.77	18	0.53836114	12,807,178.77	
168,819.91	590,809,688.56	1,603,789.15	\$33,679,572	19	307,344,230.78	0.52015569	17,518,021.15	19	0.52015569	11,598,556.58	19	0.52015569	11,598,556.58	
158,681.81	555,386,325.08	1,507,477.17	\$31,657,021	20	279,118,219.67	0.502565884	15,909,738.52	20	0.502565884	10,533,363.37	20	0.502565884	10,533,363.37	
149,374.00	522,809,015.23	1,419,053.04	\$29,800,114	21	253,860,845.54	0.48570903	14,470,068.20	21	0.48570903	9,580,200.59	21	0.48570903	9,580,200.59	
140,477.35	491,670,716.94	1,334,534.80	\$28,025,231	22	230,667,626.98	0.469150631	13,148,054.74	22	0.469150631	8,704,934.91	22	0.469150631	8,704,934.91	
132,048.70	462,170,464.18	1,254,462.69	\$26,343,716	23	209,495,231.68	0.453285634	11,941,238.21	23	0.453285634	7,905,931.05	23	0.453285634	7,905,931.05	
124,125.78	434,440,223.58	1,179,194.89	\$24,763,093	24	190,266,195.17	0.437957134	10,845,173.12	24	0.437957134	7,180,265.67	24	0.437957134	7,180,265.67	
116,678.23	408,373,796.00	1,108,443.16	\$23,277,306	25	172,802,142.27	0.423146989	9,849,722.11	25	0.423146989	6,521,207.25	25	0.423146989	6,521,207.25	
109,677.53	383,871,359.00	1,041,916.55	\$21,880,667	26	156,941,072.30	0.408837671	8,945,041.12	26	0.408837671	5,922,642.19	26	0.408837671	5,922,642.19	
103,096.88	360,839,069.62	979,420.33	\$20,367,827	27	142,535,590.00	0.395012242	8,124,443.45	27	0.395012242	5,379,017.91	27	0.395012242	5,379,017.91	
96,911.06	339,188,717.60	920,655.09	\$19,333,757	28	129,452,846.29	0.38165434	7,378,812.24	28	0.38165434	4,836,883.00	28	0.38165434	4,836,883.00	
91,096.40	318,873,386.41	865,415.76	\$18,173,731	29	117,570,697.98	0.368748155	6,701,529.78	29	0.368748155	4,346,883.00	29	0.368748155	4,346,883.00	
85,630.61	299,707,137.95	813,490.80	\$17,083,307	30	106,779,182.75	0.356278411	6,086,413.42	30	0.356278411	3,923,824.71	30	0.356278411	3,923,824.71	
80,492.77	281,724,703.64	764,081.34	\$16,058,308	31	96,978,192.89	0.344230348	5,527,756.99	31	0.344230348	3,659,763.04	31	0.344230348	3,659,763.04	
75,665.20	264,821,216.76	718,800.45	\$15,094,809	32	88,076,811.32	0.332589709	5,020,78.25	32	0.332589709	3,323,842.71	32	0.332589709	3,323,842.71	
71,123.41	248,931,939.77	675,672.41	\$14,189,121	33	79,992,465.04	0.321342714	4,559,70.51	33	0.321342714	3,018,755.65	33	0.321342714	3,018,755.65	
66,856.01	233,996,020.04	635,132.05	\$13,337,773	34	72,650,160.44	0.310476052	4,141,059.15	34	0.310476052	2,741,671.75	34	0.310476052	2,741,671.75	
62,844.64	219,956,355.26	597,024.12	\$12,537,507	35	65,981,787.15	0.299976862	3,760,961.87	35	0.299976862	2,490,020.68	35	0.299976862	2,490,020.68	
59,073.97	206,758,878.29	561,202.67	\$11,785,256	36	59,425,487.37	0.289832717	3,415,752.78	36	0.289832717	2,261,468.04	36	0.289832717	2,261,468.04	
55,259.53	194,353,344.85	527,530.51	\$11,078,141	37	54,925,080.11	0.28003161	3,102,229.57	37	0.28003161	2,053,893.67	37	0.28003161	2,053,893.67	
52,197.76	182,692,144.19	495,878.68	\$10,413,452	38	49,429,541.36	0.270561942	2,817,483.86	38	0.270561942	1,863,372.03	38	0.270561942	1,863,372.03	
49,065.89	171,730,161.01	466,125.96	\$9,788,645	39	44,892,530.45	0.261412505	2,558,874.24	39	0.261412505	1,694,154.31	39	0.261412505	1,694,154.31	
46,121.94	161,426,778.92	438,158.40	\$9,201,326	40	40,771,959.98	0.25272468	2,324,001.72	40	0.25272468	1,538,652.23	40	0.25272468	1,538,652.23	
41,114.44	147,900,547.62	390,387.20	\$8,202,331	41	35,116,247.81	0.24403137	2,091,026.13	41	0.24403137	1,323,216.96	41	0.24403137	1,323,216.96	
36,407.40	132,425,891.04	345,870.28	\$7,263,276	42	30,044,362.12	0.235797102	1,712,528.64	42	0.235797102	1,133,814.14	42	0.235797102	1,133,814.14	
31,982.78	111,939,713.94	303,836.37	\$6,380,564	43	25,500,526.76	0.227805895	1,453,500.03	43	0.227805895	962,338.88	43	0.227805895	962,338.88	
27,823.63	97,382,708.33	264,324.49	\$5,550,814	44	21,434,159.48	0.22102314	1,221,747.09	44	0.22102314	808,882.31	44	0.22102314	808,882.31	
23,914.04	83,699,122.89	227,183.33	\$4,770,850	45	17,799,391.94	0.212659241	1,014,565.34	45	0.212659241	671,713.45	45	0.212659241	671,713.45	
20,239.02	70,836,552.59	192,270.64	\$4,037,683	46	14,554,635.27	0.205467866	829,614.21	46	0.205467866	549,262.83	46	0.205467866	549,262.83	
16,784.50	58,745,736.43	159,452.71	\$3,348,507	47	11,662,184.62	0.198519677	664,744.52	47	0.198519677	440,107.52	47	0.198519677	440,107.52	
13,537.25	47,380,368.97	128,603.86	\$2,700,681	48	9,087,860.43	0.191806451	518,008.04	48	0.191806451	342,957.68	48	0.191806451	342,957.68	

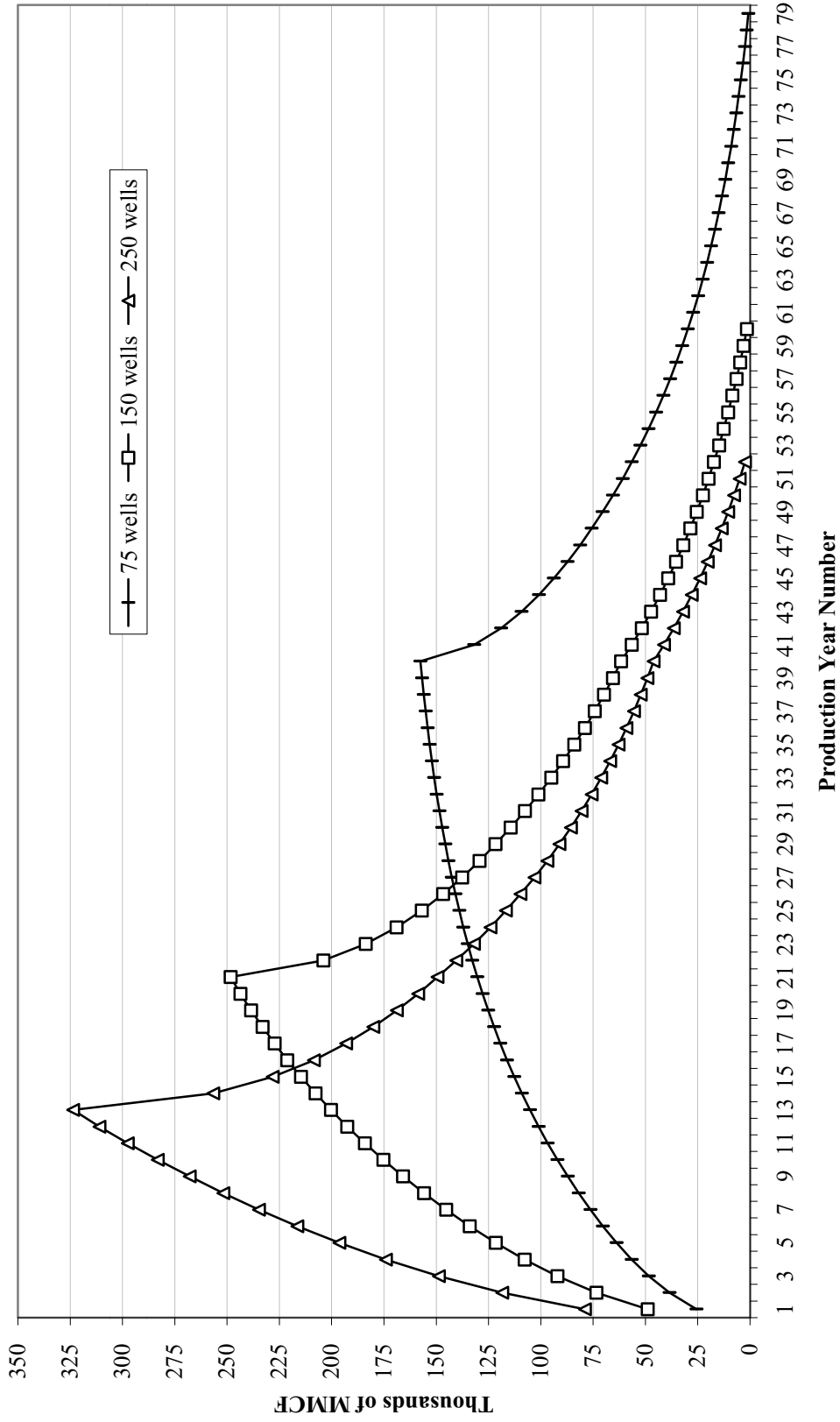
Appendix A

Alternative E - 250 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price /MMCF \$3,500	Condensate Production 99,605.93	Value/bbl \$2,091,725	Natural Gas		Condensate		Labor			
				NG Production	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor
10,484.84	36,696,923.08	99,605.93	\$2,091,725	49	6,800,682.69	49	0.185320243	387,638.91	49	0.185320243	256,644.16
7,615.57	26,654,483.94	72,247.88	\$1,519,306	50	4,772,575.30	50	0.179053375	272,036.79	50	0.179053375	180,107.45
4,918.45	17,214,590.38	46,725.32	\$981,232	51	2,978,007.10	51	0.172998429	169,751.53	51	0.172998429	112,387.43
2,383.17	8,341,089.93	22,640.10	\$473,442	52	1,394,198.51	52	0.167148241	79,469.32	52	0.167148241	52,614.26
-	-	-	\$0	53	-	53	0.161495885	-	53	0.161495885	-
-	-	-	\$0	54	-	54	0.156034672	-	54	0.156034672	-
-	-	-	\$0	55	-	55	0.150758137	-	55	0.150758137	-
-	-	-	\$0	56	-	56	0.145660036	-	56	0.145660036	-
-	-	-	\$0	57	-	57	0.140734334	-	57	0.140734334	-
-	-	-	\$0	58	-	58	0.135975202	-	58	0.135975202	-
-	-	-	\$0	59	-	59	0.131377007	-	59	0.131377007	-
-	-	-	\$0	60	-	60	0.126934306	-	60	0.126934306	-
-	-	-	\$0	61	-	61	0.122641841	-	61	0.122641841	-
-	-	-	\$0	62	-	62	0.118494533	-	62	0.118494533	-
-	-	-	\$0	63	-	63	0.114487471	-	63	0.114487471	-
-	-	-	\$0	64	-	64	0.110615914	-	64	0.110615914	-
-	-	-	\$0	65	-	65	0.106875279	-	65	0.106875279	-
-	-	-	\$0	66	-	66	0.10326114	-	66	0.10326114	-
-	-	-	\$0	67	-	67	0.099769217	-	67	0.099769217	-
-	-	-	\$0	68	-	68	0.096395379	-	68	0.096395379	-
-	-	-	\$0	69	-	69	0.093135632	-	69	0.093135632	-
-	-	-	\$0	70	-	70	0.089986118	-	70	0.089986118	-
-	-	-	\$0	71	-	71	0.086943109	-	71	0.086943109	-
-	-	-	\$0	72	-	72	0.084003004	-	72	0.084003004	-
-	-	-	\$0	73	-	73	0.081162322	-	73	0.081162322	-
-	-	-	\$0	74	-	74	0.078417703	-	74	0.078417703	-
-	-	-	\$0	75	-	75	0.075765896	-	75	0.075765896	-
-	-	-	\$0	76	-	76	0.073203765	-	76	0.073203765	-
-	-	-	\$0	77	-	77	0.070728275	-	77	0.070728275	-
-	-	-	\$0	78	-	78	0.068336498	-	78	0.068336498	-
-	-	-	\$0	79	-	79	0.066025601	-	79	0.066025601	-
-	-	-	\$0	80	-	80	0.063792852	-	80	0.063792852	-
-	-	-	\$0	81	-	81	0.061635605	-	81	0.061635605	-
6,302,091.48	\$22,057,323,682	59,869,869.07	1,257,267,250.39		13,012,418,609			741,707,861			491,062,653

Appendix A

LOF PRODUCTION CURVES  
Alternative E



Appendix A

Alternative F - 75 Wells/Year Development Rate

Total Production for Year	MMCF Natural Gas		Condensate Production		Value/bbl		Natural Gas		Condensate		Labor		
	Price / MMCF	\$3-500	Condensate Production	Value/bbl	NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor
29,254.31	102.390,085.52	277,915.95	\$5,856,235	1	1	0.966183575	98,927,618.86	1	0.966183575	5,638,874.27	1	0.966183575	3,733,330.48
43,921.14	153,723,989.30	88,762.67	\$8,762,267	2	2	0.9335107	143,502,988.92	2	0.9335107	8,179,670.37	2	0.9335107	5,415,515.80
55,125.43	192,939,006.11	523,691.59	\$10,997,523	3	3	0.901942706	174,019,929.20	3	0.901942706	9,919,135.96	3	0.901942706	6,567,164.09
64,522.91	225,830,195.30	612,967.67	\$12,872,321	4	4	0.871442228	196,797,968.48	4	0.871442228	11,217,484.20	4	0.871442228	7,426,761.73
72,764.75	254,676,628.17	691,265.13	\$14,516,568	5	5	0.841973167	214,430,887.15	5	0.841973167	12,222,560.57	5	0.841973167	8,092,192.82
80,186.49	280,652,722.16	761,771.67	\$15,997,205	6	6	0.813500644	228,311,170.31	6	0.813500644	13,013,736.71	6	0.813500644	8,616,006.95
86,987.78	304,457,219.99	826,383.88	\$17,354,002	7	7	0.785990961	239,300,622.83	7	0.785990961	13,640,135.50	7	0.785990961	9,030,726.90
93,298.71	326,454,485.30	886,337.75	\$18,613,093	8	8	0.759411556	247,982,415.17	8	0.759411556	14,134,997.66	8	0.759411556	9,358,360.38
99,285.58	347,499,537.66	943,213.03	\$19,807,474	9	9	0.733730972	254,971,173.60	9	0.733730972	14,533,356.90	9	0.733730972	9,622,102.15
104,937.62	367,281,674.02	996,907.40	\$20,935,055	10	10	0.708918814	260,372,888.64	10	0.708918814	14,841,254.65	10	0.708918814	9,825,952.07
110,250.54	385,876,882.99	1,047,380.11	\$21,994,982	11	11	0.684945714	264,304,717.03	11	0.684945714	15,065,368.87	11	0.684945714	9,974,331.41
115,244.68	403,356,379.93	1,094,824.46	\$22,991,314	12	12	0.661783298	266,934,515.50	12	0.661783298	15,215,267.38	12	0.661783298	10,073,574.75
119,939.17	419,787,105.26	1,139,422.14	\$23,927,865	13	13	0.639404153	268,413,618.45	13	0.639404153	15,299,576.25	13	0.639404153	10,129,938.13
124,352.00	435,231,986.59	1,181,343.96	\$24,808,223	14	14	0.61778179	268,878,395.86	14	0.61778179	15,326,068.56	14	0.61778179	10,146,932.90
129,309.75	448,284,115.66	1,225,342.60	\$25,635,760	15	15	0.596890619	268,451,660.18	15	0.596890619	15,301,744.63	15	0.596890619	10,130,828.75
142,248.34	499,619,174.55	1,325,342.60	\$27,832,195	16	16	0.576705912	267,248,946.18	16	0.576705912	15,232,904.93	16	0.576705912	10,085,252.04
145,292.61	510,274,129.65	1,385,029.78	\$29,085,625	17	17	0.557203779	265,354,671.81	17	0.557203779	15,125,216.29	17	0.557203779	10,013,954.60
148,654.22	520,289,787.23	1,412,215.14	\$29,656,518	18	18	0.53836114	262,873,192.93	18	0.53836114	14,983,772.00	18	0.53836114	9,920,308.55
151,344.14	529,704,505.55	1,437,769.37	\$30,193,157	19	19	0.52015569	259,879,756.67	19	0.52015569	14,813,146.13	19	0.52015569	9,877,773.08
153,872.67	538,554,302.23	1,461,790.35	\$30,697,597	20	20	0.502565884	256,446,369.27	20	0.502565884	14,617,443.05	20	0.502565884	9,841,365.37
156,249.48	546,873,184.50	1,484,370.07	\$31,171,772	21	21	0.485570903	248,511,202.89	21	0.485570903	14,400,342.16	21	0.485570903	9,828,101.54
158,483.69	554,692,898.10	1,505,595.01	\$31,617,495	22	22	0.469150631	244,118,945.33	22	0.469150631	14,165,138.56	22	0.469150631	9,828,215.77
160,833.84	562,043,428.91	1,525,546.45	\$32,036,475	23	23	0.453285634	239,507,012.49	23	0.453285634	13,914,779.88	23	0.453285634	9,828,215.64
162,527.98	568,952,927.92	1,544,300.80	\$32,430,317	24	24	0.437957134	234,716,629.80	24	0.437957134	13,651,899.71	24	0.437957134	9,857,736.18
164,413.67	575,447,856.95	1,561,929.90	\$32,800,528	25	25	0.423146989	229,784,526.36	25	0.423146989	13,378,847.90	25	0.423146989	9,871,608.46
166,158.03	581,553,089.92	1,578,501.24	\$33,148,526	26	26	0.408837671	224,745,371.83	26	0.408837671	13,097,718.00	26	0.408837671	9,881,365.37
167,797.72	587,292,008.88	1,594,078.31	\$33,475,645	27	27	0.395012242	219,622,172.28	27	0.395012242	12,810,372.19	27	0.395012242	9,891,608.46
169,339.03	592,686,592.39	1,608,720.75	\$33,783,136	28	28	0.38165434	214,446,628.93	28	0.38165434	12,518,463.82	28	0.38165434	9,901,101.54
170,787.86	597,757,000.94	1,622,484.65	\$34,072,178	29	29	0.368748155	209,239,463.48	29	0.368748155	12,223,457.85	29	0.368748155	9,928,786.88
172,149.76	602,524,154.98	1,635,422.71	\$34,343,877	30	30	0.356278411	204,020,712.19	30	0.356278411	11,926,649.42	30	0.356278411	9,957,333.64
173,229.95	607,004,809.81	1,647,584.48	\$34,599,274	31	31	0.344230348	198,807,993.06	31	0.344230348	11,629,180.60	31	0.344230348	9,986,708.80
174,633.32	611,216,625.44	1,659,016.55	\$34,839,348	32	32	0.332589709	188,460,456.78	32	0.332589709	11,332,055.60	32	0.332589709	7,502,616.04
175,764.49	615,175,732.32	1,669,762.70	\$35,065,017	33	33	0.321342714	193,616,746.99	33	0.321342714	11,036,154.58	33	0.321342714	7,112,120.72
176,827.80	618,897,292.78	1,679,864.08	\$35,277,146	34	34	0.310476052	188,460,456.78	34	0.310476052	10,742,246.04	34	0.310476052	6,919,294.19
177,827.30	622,395,559.90	1,689,359.38	\$35,476,547	35	35	0.299976862	183,398,845.09	35	0.299976862	10,450,998.17	35	0.299976862	6,728,611.95
178,866.84	626,683,931.18	1,698,284.96	\$35,663,984	36	36	0.289832717	178,298,083.67	36	0.289832717	10,162,989.06	36	0.289832717	6,540,403.18
179,650.00	628,775,000.00	1,706,675.00	\$35,840,175	37	37	0.28003161	173,310,805.46	37	0.28003161	9,878,715.91	37	0.28003161	6,354,949.06
180,395.69	630,384,914.48	1,714,284.57	\$36,003,940	38	38	0.270616942	168,396,551.53	38	0.270616942	9,598,603.44	38	0.270616942	6,172,487.79
181,527.09	632,455,993.89	1,721,828.66	\$36,157,908	39	39	0.261412505	163,561,603.53	39	0.261412505	9,323,011.40	39	0.261412505	5,993,219.09
182,524.57	634,535,993.89	1,729,454.17	\$36,307,854	40	40	0.252527468	158,811,253.69	40	0.252527468	9,052,241.46	40	0.252527468	5,823,613.35
183,288.66	636,244,804.70	1,736,010.70	\$36,452,652	41	41	0.24403137	154,454,431.95	41	0.24403137	8,782,902.62	41	0.24403137	5,662,612.54
184,025.25	637,593,371.83	1,741,828.62	\$36,597,908	42	42	0.235779102	150,200,100.55	42	0.235779102	8,522,791.02	42	0.235779102	5,512,923.96
184,662.22	638,688,825.44	1,746,842.17	\$36,744,652	43	43	0.227805895	146,088,008.81	43	0.227805895	8,280,808.17	43	0.227805895	5,374,948.65
185,212.77	639,535,993.89	1,751,307.33	\$36,892,854	44	44	0.220201214	142,146,628.93	44	0.220201214	8,052,202.59	44	0.220201214	5,249,862.54
185,688.25	640,284,804.70	1,755,409.87	\$37,042,607	45	45	0.212659241	138,454,431.95	45	0.212659241	7,832,902.62	45	0.212659241	5,134,662.12
186,085.25	640,937,371.83	1,759,149.90	\$37,194,400	46	46	0.205467866	134,944,431.95	46	0.205467866	7,622,791.02	46	0.205467866	5,029,321.45
186,402.22	641,500,000.00	1,762,500.00	\$37,348,800	47	47	0.198519677	131,600,000.00	47	0.198519677	7,422,791.02	47	0.198519677	4,933,330.48



Appendix A

Alternative F - 75 Wells/Year Development Rate

MMCF Natural Gas		Condensate Production		Value/bbl		Natural Gas		Condensate		Labor	
Total Production for Year	Price / MMCF	Total Production	Value/bbl	PV of LOP Production	Discount Factor	NG Production	PV of LOP Production	Discount Factor	PV of LOP Production	Labor Earnings	PV of LOP Labor
\$3,500	\$21	\$21	\$21	\$21	\$21	\$21	\$21	\$21	\$21	\$21	\$21
86,351.29	306,229,514.70	820,337.25	\$17,227,082	57,969,570.64	0.191806451	48	3,304,265.53	0.191806451	3,304,265.53	48	2,187,655.66
80,864.42	281,275,462.34	763,461.97	\$16,032,701	52,126,036.93	0.185320243	49	2,971,184.10	0.185320243	2,971,184.10	49	1,967,132.38
74,712.38	261,493,325.98	709,767.60	\$14,905,120	46,821,262.43	0.179053375	50	2,668,811.96	0.179053375	2,668,811.96	50	1,766,940.80
69,399.46	242,898,117.01	659,294.89	\$13,845,193	42,020,992.77	0.172998429	51	2,395,196.59	0.172998429	2,395,196.59	51	1,585,788.23
64,405.32	225,418,620.07	611,850.54	\$12,848,861	37,678,325.85	0.167148241	52	2,147,664.57	0.167148241	2,147,664.57	52	1,421,904.66
59,710.83	208,987,894.74	567,252.86	\$11,912,310	33,750,685.03	0.161495885	53	1,923,789.05	0.161495885	1,923,789.05	53	1,273,683.35
55,298.00	193,543,013.41	525,331.04	\$11,031,952	30,199,420.53	0.156034672	54	1,721,366.97	0.156034672	1,721,366.97	54	1,139,665.73
47,250.78	165,377,728.10	448,882.40	\$9,426,531	26,989,449.06	0.150758137	55	1,538,398.60	0.150758137	1,538,398.60	55	1,018,227.83
43,885.56	152,549,458.10	414,062.81	\$8,695,319	24,088,925.75	0.145660036	56	1,373,068.77	0.145660036	1,373,068.77	56	909,867.88
40,140.25	140,490,884.34	381,332.40	\$8,007,980	21,468,946.37	0.140734334	57	1,223,729.94	0.140734334	1,223,729.94	57	810,195.10
36,901.66	129,155,825.45	350,565.81	\$7,361,882	19,108,276.35	0.135975202	58	1,088,886.75	0.135975202	1,088,886.75	58	720,919.44
33,857.39	118,500,870.35	321,645.22	\$6,754,550	17,048,946.37	0.131377007	59	967,182.03	0.131377007	967,182.03	59	640,342.37
30,995.78	108,485,212.77	294,459.86	\$6,183,657	15,041,825.72	0.126943306	60	857,384.07	0.126943306	857,384.07	60	567,648.42
28,305.86	99,070,494.45	268,905.63	\$5,647,018	13,304,826.26	0.122641841	61	758,375.10	0.122641841	758,375.10	61	502,097.53
25,777.33	90,220,659.77	244,884.65	\$5,142,578	11,739,311.95	0.118494533	62	669,140.78	0.118494533	669,140.78	62	443,018.15
23,400.52	81,901,815.50	222,304.93	\$4,668,403	10,329,135.19	0.114487471	63	588,760.71	0.114487471	588,760.71	63	389,800.90
21,166.31	74,082,101.90	201,079.99	\$4,222,680	9,059,644.20	0.110615914	64	516,399.72	0.110615914	516,399.72	64	341,892.85
19,066.16	66,731,571.09	181,128.55	\$3,803,700	7,917,545.35	0.106875279	65	451,300.08	0.106875279	451,300.08	65	298,792.33
17,092.02	59,822,072.08	162,374.20	\$3,409,858	6,890,778.08	0.10326114	66	392,774.35	0.10326114	392,774.35	66	260,044.18
15,236.33	53,327,143.05	144,745.10	\$3,039,647	5,968,401.29	0.099769217	67	340,198.87	0.099769217	340,198.87	67	225,235.53
13,491.97	47,221,910.08	128,173.76	\$2,691,649	5,140,490.15	0.096395379	68	293,007.94	0.096395379	293,007.94	68	193,991.82
11,822.28	41,482,991.12	112,596.69	\$2,364,530	4,398,042.42	0.093135632	69	250,688.42	0.093135632	250,688.42	69	165,973.32
8,862.14	31,017,499.06	84,190.35	\$1,767,997	3,732,893.31	0.089986118	70	212,774.92	0.089986118	212,774.92	70	140,871.93
7,500.24	26,250,845.02	71,252.29	\$1,496,298	3,137,638.35	0.086943109	71	178,845.39	0.086943109	178,845.39	71	118,408.20
6,220.05	21,770,190.19	59,090.52	\$1,240,901	2,605,563.08	0.084003004	72	148,517.10	0.084003004	148,517.10	72	98,238.74
5,116.68	17,538,374.56	47,658.45	\$775,158	2,130,579.54	0.081162322	73	121,443.03	0.081162322	121,443.03	73	80,403.81
3,885.51	13,599,267.68	36,912.30	\$563,029	1,707,168.30	0.078417703	74	97,308.59	0.078417703	97,308.59	74	64,425.12
2,822.20	9,877,707.22	26,810.92	\$363,628	1,330,325.99	0.075765896	75	75,828.58	0.075765896	75,828.58	75	50,203.84
1,822.70	6,379,440.10	17,315.62	\$363,628	995,517.59	0.073203765	76	56,744.50	0.073203765	56,744.50	76	37,268.84
883.16	3,091,068.82	8,390.04	\$176,191	698,633.19	0.070728275	77	39,822.09	0.070728275	39,822.09	77	26,365.02
-	-	-	\$0	435,948.59	0.068336498	78	24,849.07	0.068336498	24,849.07	78	16,451.83
-	-	-	\$0	204,089.68	0.066025601	79	11,633.11	0.066025601	11,633.11	79	7,701.94
-	-	-	\$0	-	0.063792852	80	-	0.063792852	-	80	-
-	-	-	\$0	-	0.061635605	81	-	0.061635605	-	81	-
7,186,000.00	\$25,151,003,500	68,267,000.00	1,433,007,000.00	9,995,217,923	0.061635605	81	569,727,422	0.061635605	569,727,422	81	377,199,354

Appendix A

Alternative F - 150 Wells/Year Development Rate

MMCF Natural Gas		Comdestate Production		Value/bbl		Natural Gas		Comdestate		Labor	
Total Production for Year	Price/ MMCF	Comdestate Production	Value/bbl	NG Production	Discount Factor	PV of LOP Production	Comdestate	Discount Factor	PV of LOP Production	Labor Earnings	PV of LOP Labor
	\$3.500		\$21								
55,722.86	195,029,992.57	529,367.12	\$11,116,710	1	0.966183575	188,434,775.43	1	0.966183575	10,740,782.20	1	0.966183575
83,659.85	292,809,487.75	794,768.61	\$16,690,141	2	0.9335107	273,340,789.98	2	0.9335107	15,800,425.03	2	0.9335107
105,001.50	367,505,239.76	997,514.22	\$20,947,799	3	0.901942706	331,468,670.30	3	0.901942706	18,893,714.21	3	0.901942706
122,001.58	430,155,528.14	1,167,565.00	\$24,318,865	4	0.871442228	374,855,691.70	4	0.871442228	21,366,774.43	4	0.871442228
138,600.42	485,101,469.04	1,316,703.99	\$27,650,784	5	0.841973167	408,442,420.13	5	0.841973167	23,281,217.95	5	0.841973167
152,737.16	534,580,062.52	1,451,003.03	\$30,471,064	6	0.813500644	434,881,225.30	6	0.813500644	24,788,229.84	6	0.813500644
165,692.07	579,922,255.68	1,574,074.69	\$33,055,569	7	0.785990961	455,813,650.86	7	0.785990961	25,981,378.10	7	0.785990961
177,712.98	621,995,413.42	1,688,273.26	\$35,453,739	8	0.759411556	472,350,504.86	8	0.759411556	26,923,978.78	8	0.759411556
189,116.61	661,908,151.60	1,796,607.84	\$37,728,765	9	0.733730972	485,662,511.58	9	0.733730972	27,682,763.16	9	0.733730972
199,882.47	699,588,654.49	1,898,883.49	\$39,876,553	10	0.708918814	495,951,558.99	10	0.708918814	28,269,238.86	10	0.708918814
210,002.38	735,008,328.60	1,995,022.61	\$41,895,475	11	0.684945714	503,440,804.23	11	0.684945714	28,696,125.84	11	0.684945714
219,515.09	768,302,823.29	2,085,393.38	\$43,793,261	12	0.661783298	508,449,976.48	12	0.661783298	28,981,648.66	12	0.661783298
228,457.04	799,599,644.88	2,170,341.89	\$45,577,180	13	0.639404153	511,267,333.62	13	0.639404153	29,142,238.02	13	0.639404153
244,763.58	856,672,528.89	2,250,193.50	\$47,254,063	14	0.61778179	512,152,629.64	14	0.61778179	29,192,699.89	14	0.61778179
252,190.62	882,667,164.88	2,395,810.88	\$50,312,028	15	0.596890619	511,339,794.53	15	0.596890619	29,146,368.29	15	0.596890619
259,172.04	907,102,122.53	2,462,134.33	\$51,704,821	16	0.576705912	509,039,372.06	16	0.576705912	29,015,244.21	16	0.576705912
265,734.57	930,070,982.63	2,524,478.38	\$53,014,046	17	0.557203779	505,440,731.00	17	0.557203779	28,810,121.67	17	0.557203779
271,903.35	951,061,710.29	2,583,081.79	\$54,244,717	18	0.53836114	500,714,074.07	18	0.53836114	28,540,702.22	18	0.53836114
277,702.00	971,956,993.79	2,638,168.98	\$55,401,549	19	0.520155669	488,474,426.21	19	0.520155669	28,215,698.47	19	0.520155669
283,152.73	991,034,559.89	2,689,950.95	\$56,488,970	20	0.502565884	481,217,545.98	20	0.502565884	27,842,928.29	20	0.502565884
289,432.83	1,010,337,479.81	2,739,436.43	\$57,505,324	21	0.485570903	474,251,545.98	21	0.485570903	27,429,400.12	21	0.485570903
295,418.48	1,029,482,921.34	2,789,611.93	\$58,478,819	22	0.469150631	467,251,545.98	22	0.469150631	27,000,000.00	22	0.469150631
301,112.15	1,047,775,533.20	2,839,436.43	\$59,401,549	23	0.453285634	460,251,545.98	23	0.453285634	26,575,000.00	23	0.453285634
306,564.54	1,065,000,000.00	2,888,436.43	\$60,288,819	24	0.437957134	453,251,545.98	24	0.437957134	26,150,000.00	24	0.437957134
311,812.15	1,081,175,533.20	2,937,436.43	\$61,125,000	25	0.423146989	446,251,545.98	25	0.423146989	25,725,000.00	25	0.423146989
316,888.85	1,096,300,000.00	2,986,436.43	\$61,912,500	26	0.408837671	439,251,545.98	26	0.408837671	25,300,000.00	26	0.408837671
321,725.53	1,110,975,000.00	3,035,436.43	\$62,650,000	27	0.395012242	432,251,545.98	27	0.395012242	24,875,000.00	27	0.395012242
326,357.53	1,125,162,500.00	3,084,436.43	\$63,337,500	28	0.38165434	425,251,545.98	28	0.38165434	24,450,000.00	28	0.38165434
330,788.85	1,138,900,000.00	3,133,436.43	\$64,000,000	29	0.368748155	418,251,545.98	29	0.368748155	24,025,000.00	29	0.368748155
335,037.53	1,152,187,500.00	3,182,436.43	\$64,625,000	30	0.356278411	411,251,545.98	30	0.356278411	23,600,000.00	30	0.356278411
339,132.15	1,165,000,000.00	3,231,436.43	\$65,200,000	31	0.344230348	404,251,545.98	31	0.344230348	23,175,000.00	31	0.344230348
343,000.00	1,177,437,500.00	3,280,436.43	\$65,725,000	32	0.332589709	397,251,545.98	32	0.332589709	22,750,000.00	32	0.332589709
346,575.00	1,189,500,000.00	3,329,436.43	\$66,200,000	33	0.321342714	390,251,545.98	33	0.321342714	22,325,000.00	33	0.321342714
349,900.00	1,201,187,500.00	3,378,436.43	\$66,625,000	34	0.310476652	383,251,545.98	34	0.310476652	21,900,000.00	34	0.310476652
353,000.00	1,212,500,000.00	3,427,436.43	\$67,000,000	35	0.299976862	376,251,545.98	35	0.299976862	21,475,000.00	35	0.299976862
355,825.00	1,223,437,500.00	3,476,436.43	\$67,325,000	36	0.289832717	369,251,545.98	36	0.289832717	21,050,000.00	36	0.289832717
358,400.00	1,234,000,000.00	3,525,436.43	\$67,600,000	37	0.28003161	362,251,545.98	37	0.28003161	20,625,000.00	37	0.28003161
360,750.00	1,244,250,000.00	3,574,436.43	\$67,825,000	38	0.270561942	355,251,545.98	38	0.270561942	20,200,000.00	38	0.270561942
362,875.00	1,254,187,500.00	3,623,436.43	\$68,000,000	39	0.261412505	348,251,545.98	39	0.261412505	19,775,000.00	39	0.261412505
364,700.00	1,263,800,000.00	3,672,436.43	\$68,125,000	40	0.252527468	341,251,545.98	40	0.252527468	19,350,000.00	40	0.252527468
366,250.00	1,273,062,500.00	3,721,436.43	\$68,200,000	41	0.24403137	334,251,545.98	41	0.24403137	18,925,000.00	41	0.24403137
367,575.00	1,281,962,500.00	3,770,436.43	\$68,225,000	42	0.235779102	327,251,545.98	42	0.235779102	18,500,000.00	42	0.235779102
368,600.00	1,290,500,000.00	3,819,436.43	\$68,200,000	43	0.227805895	320,251,545.98	43	0.227805895	18,075,000.00	43	0.227805895
369,350.00	1,298,750,000.00	3,868,436.43	\$68,125,000	44	0.22012314	313,251,545.98	44	0.22012314	17,650,000.00	44	0.22012314
370,000.00	1,306,750,000.00	3,917,436.43	\$68,000,000	45	0.212659241	306,251,545.98	45	0.212659241	17,225,000.00	45	0.212659241
370,500.00	1,314,500,000.00	3,966,436.43	\$67,825,000	46	0.205467866	299,251,545.98	46	0.205467866	16,800,000.00	46	0.205467866
370,875.00	1,322,000,000.00	4,015,436.43	\$67,600,000	47	0.198519677	292,251,545.98	47	0.198519677	16,375,000.00	47	0.198519677

Appendix A

Alternative F - 150 Wells/Year Development Rate

MMCF Natural Gas		Price/ MMCF		Condensate Production		Value/bbl		Natural Gas		Condensate		Labor	
Total Production for Year		\$3,500				\$21		PV of LOP Production	Discount Factor	Condensate	Discount Factor	Labor Earnings	PV of LOP Labor
32,556.44	113,947,539.11	309,286.18	\$6,495.010	48	21,855,873.09	48	0.191806451	1,245,784.77	0.191806451	48	0.191806451	48	834,796.94
29,021.76	101,576,165.91	275,706.74	\$5,789.841	49	18,824,119.71	49	0.185320243	1,072,974.82	0.185320243	49	0.185320243	49	710,384.63
25,099.16	89,947,075.70	244,142.06	\$5,126.983	50	16,105,327.43	50	0.179053375	918,003.66	0.179053375	50	0.179053375	50	607,782.85
22,575.92	79,015,730.96	214,471.27	\$4,503.897	51	13,669,597.36	51	0.172998429	779,167.05	0.172998429	51	0.172998429	51	515,863.27
19,640.08	68,740,267.51	186,580.73	\$3,918.195	52	11,489,814.80	52	0.167148241	654,919.44	0.167148241	52	0.167148241	52	433,602.63
16,880.38	59,081,331.75	160,363.61	\$3,367.636	53	9,541,391.96	53	0.161495885	543,859.34	0.161495885	53	0.161495885	53	360,073.05
14,286.27	50,001,932.15	135,719.53	\$2,850.110	54	7,802,035.06	54	0.156034672	444,716.00	0.156034672	54	0.156034672	54	294,433.20
11,847.80	41,467,296.47	112,554.09	\$2,363.636	55	6,251,532.35	55	0.150758137	356,337.34	0.150758137	55	0.150758137	55	235,920.33
9,555.64	33,444,738.74	90,778.58	\$1,906.350	56	4,871,561.83	56	0.145660036	277,679.02	0.145660036	56	0.145660036	56	183,843.00
7,401.01	25,903,534.14	70,309.59	\$1,476.501	57	3,645,516.62	57	0.140734334	207,794.45	0.140734334	57	0.140734334	57	137,574.51
5,375.66	18,814,801.80	51,068.75	\$1,072.444	58	2,558,346.47	58	0.135975202	145,825.75	0.135975202	58	0.135975202	58	96,546.88
3,471.83	12,151,392.87	32,982.35	\$692.629	59	1,596,413.62	59	0.131377007	90,995.58	0.131377007	59	0.131377007	59	60,245.46
1,682.23	5,887,788.12	15,981.14	\$335.604	60	747,362.30	60	0.126934306	42,599.65	0.126934306	60	0.126934306	60	28,203.96
-	-	-	\$0	61	-	61	0.122641841	-	0.122641841	61	0.122641841	61	-
-	-	-	\$0	62	-	62	0.118494533	-	0.118494533	62	0.118494533	62	-
-	-	-	\$0	63	-	63	0.114487471	-	0.114487471	63	0.114487471	63	-
-	-	-	\$0	64	-	64	0.110615914	-	0.110615914	64	0.110615914	64	-
-	-	-	\$0	65	-	65	0.106875279	-	0.106875279	65	0.106875279	65	-
-	-	-	\$0	66	-	66	0.10326114	-	0.10326114	66	0.10326114	66	-
-	-	-	\$0	67	-	67	0.099769217	-	0.099769217	67	0.099769217	67	-
-	-	-	\$0	68	-	68	0.096395379	-	0.096395379	68	0.096395379	68	-
-	-	-	\$0	69	-	69	0.093135632	-	0.093135632	69	0.093135632	69	-
-	-	-	\$0	70	-	70	0.089986118	-	0.089986118	70	0.089986118	70	-
-	-	-	\$0	71	-	71	0.086943109	-	0.086943109	71	0.086943109	71	-
-	-	-	\$0	72	-	72	0.084003004	-	0.084003004	72	0.084003004	72	-
-	-	-	\$0	73	-	73	0.081162322	-	0.081162322	73	0.081162322	73	-
-	-	-	\$0	74	-	74	0.078417703	-	0.078417703	74	0.078417703	74	-
-	-	-	\$0	75	-	75	0.075765896	-	0.075765896	75	0.075765896	75	-
-	-	-	\$0	76	-	76	0.073203765	-	0.073203765	76	0.073203765	76	-
-	-	-	\$0	77	-	77	0.070728275	-	0.070728275	77	0.070728275	77	-
-	-	-	\$0	78	-	78	0.068336498	-	0.068336498	78	0.068336498	78	-
-	-	-	\$0	79	-	79	0.066025601	-	0.066025601	79	0.066025601	79	-
-	-	-	\$0	80	-	80	0.063792852	-	0.063792852	80	0.063792852	80	-
-	-	-	\$0	81	-	81	0.061635605	-	0.061635605	81	0.061635605	81	-
7,186,046.36	\$25,151,165.765	68,267,440.43	1,433,616,249.08		13,103,647.445			746,907,904					494,505,447

Appendix A

Alternative F - 2.50 Wells/Year Development Rate

Total Production for Year	MMCF Natural Gas		Condensate Production		Value/bbl		Natural Gas		Condensate		Labor		
	Price /MMCF	\$3.500	\$/MMCF	\$/MMCF	\$/MMCF	\$/MMCF	\$/MMCF	\$/MMCF	\$/MMCF	\$/MMCF	\$/MMCF	\$/MMCF	
90014.19	315,049,669.07	855,134.82	\$17,957,831	304,395,815.53	0.966183575	1	304,395,815.53	0.966183575	1	17,350,561.49	1	0.966183575	11,487,289.29
135,143.36	493,001,772.71	1,283,861.95	\$26,961,101	441,552,216.11	0.9335107	2	441,552,216.11	0.9335107	2	25,168,476.32	2	0.9335107	16,665,297.53
169,618.46	573,664,608.42	1,611,375.37	\$33,838,883	535,451,463.18	0.901942706	3	535,451,463.18	0.901942706	3	30,520,733.40	3	0.901942706	20,206,867.32
198,534.09	694,860,312.17	1,886,073.85	\$39,607,551	605,538,461.36	0.871442228	4	605,538,461.36	0.871442228	4	34,515,692.30	4	0.871442228	22,851,810.45
223,893.85	783,628,483.35	2,126,991.60	\$44,666,824	659,794,155.77	0.841973167	5	659,794,155.77	0.841973167	5	37,608,266.88	5	0.841973167	24,899,311.85
246,730.21	863,555,751.46	2,343,937.04	\$49,222,678	702,503,160.20	0.813300644	6	702,503,160.20	0.813300644	6	40,042,680.13	6	0.813300644	26,511,064.26
267,657.46	936,801,116.24	2,542,745.89	\$53,397,664	736,317,209.32	0.785990961	7	736,317,209.32	0.785990961	7	41,970,080.85	7	0.785990961	27,787,138.85
287,075.92	1,004,765,711.05	2,727,221.22	\$57,271,646	763,036,692.26	0.759411556	8	763,036,692.26	0.759411556	8	43,492,749.46	8	0.759411556	28,795,252.26
305,497.25	1,069,240,383.85	2,902,223.90	\$60,946,702	784,534,786.35	0.733730972	9	784,534,786.35	0.733730972	9	44,718,482.82	9	0.733730972	29,606,773.77
322,888.32	1,130,109,124.05	3,067,439.05	\$64,416,220	801,155,619.58	0.708918814	10	801,155,619.58	0.708918814	10	45,665,870.32	10	0.708918814	30,234,010.77
339,235.93	1,187,325,742.25	3,222,741.30	\$67,677,567	813,253,677.96	0.684945714	11	813,253,677.96	0.684945714	11	46,355,459.64	11	0.684945714	30,690,567.30
354,602.68	1,241,109,364.95	3,368,725.42	\$70,743,234	821,345,449.07	0.661783298	12	821,345,449.07	0.661783298	12	46,816,690.60	12	0.661783298	30,995,934.56
369,047.42	1,291,665,964.75	3,505,950.48	\$73,624,960	825,896,582.06	0.639404153	13	825,896,582.06	0.639404153	13	47,076,105.18	13	0.639404153	31,167,685.21
292,611.29	1,024,139,498.02	2,779,807.21	\$58,375,951	632,694,732.58	0.61778179	14	632,694,732.58	0.61778179	14	36,063,599.76	14	0.61778179	23,876,633.82
260,245.49	910,859,204.47	2,472,332.13	\$51,918,975	543,683,314.04	0.596890619	15	543,683,314.04	0.596890619	15	30,989,948.90	15	0.596890619	20,517,520.91
237,767.96	832,187,869.61	2,258,795.65	\$47,434,709	479,927,664.06	0.576705912	16	479,927,664.06	0.576705912	16	27,355,876.85	16	0.576705912	18,111,510.19
220,130.05	770,455,173.31	2,091,235.47	\$43,915,945	429,300,534.45	0.557207779	17	429,300,534.45	0.557207779	17	24,470,130.46	17	0.557207779	16,200,943.57
205,371.34	718,799,689.00	1,951,027.73	\$40,971,582	386,973,819.68	0.53836114	18	386,973,819.68	0.53836114	18	22,057,307.72	18	0.53836114	14,603,618.01
192,499.97	673,749,885.19	1,828,749.69	\$38,403,743	350,454,836.68	0.52015569	19	350,454,836.68	0.52015569	19	19,975,925.69	19	0.52015569	13,225,464.63
180,939.81	633,289,336.05	1,718,928.20	\$36,097,492	318,269,615.27	0.502565884	20	318,269,615.27	0.502565884	20	18,141,368.07	20	0.502565884	12,010,838.74
170,326.42	596,142,467.30	1,618,100.98	\$33,980,121	289,469,436.06	0.485709093	21	289,469,436.06	0.485709093	21	16,499,757.86	21	0.485709093	10,923,997.58
160,181.85	560,636,457.59	1,521,727.53	\$31,956,628	263,022,947.70	0.469150631	22	263,022,947.70	0.469150631	22	14,992,308.02	22	0.469150631	9,925,980.00
150,670.93	526,998,259.03	1,430,423.85	\$30,038,981	238,880,739.74	0.453285634	23	238,880,739.74	0.453285634	23	13,616,302.17	23	0.453285634	9,014,881.36
141,536.67	495,378,348.94	1,344,598.38	\$28,236,566	216,954,481.90	0.437957134	24	216,954,481.90	0.437957134	24	12,366,405.47	24	0.437957134	8,187,428.24
133,044.47	465,655,631.86	1,263,922.43	\$26,542,371	197,040,778.66	0.423146989	25	197,040,778.66	0.423146989	25	11,231,324.38	25	0.423146989	7,435,924.90
125,061.80	437,716,283.41	1,188,087.05	\$24,949,838	178,954,905.78	0.408837671	26	178,954,905.78	0.408837671	26	10,200,429.63	26	0.408837671	6,753,400.23
110,504.60	386,760,090.67	1,049,793.67	\$22,045,667	162,529,089.64	0.395012242	27	162,529,089.64	0.395012242	27	9,264,158.11	27	0.395012242	6,135,522.78
103,874.32	363,560,115.96	986,806.03	\$20,722,927	134,062,121.98	0.38165434	28	134,062,121.98	0.38165434	28	8,413,824.56	28	0.38165434	5,570,542.30
97,641.86	341,746,502.98	927,976.65	\$19,479,551	121,756,900.91	0.368748155	29	121,756,900.91	0.368748155	29	7,641,540.95	29	0.368748155	5,099,236.36
91,783.34	321,241,705.93	871,941.77	\$18,310,777	110,581,144.36	0.344230348	30	110,581,144.36	0.344230348	30	6,940,143.35	30	0.344230348	4,594,861.93
86,276.34	301,967,198.26	819,625.25	\$17,212,130	100,431,824.48	0.332589709	31	100,431,824.48	0.332589709	31	6,303,125.23	31	0.332589709	4,173,111.23
81,099.76	283,849,161.82	770,447.72	\$16,179,402	91,212,859.92	0.321342714	32	91,212,859.92	0.321342714	32	5,199,133.02	32	0.321342714	3,442,190.91
76,233.77	266,818,208.30	724,220.85	\$15,208,638	82,840,663.87	0.310476052	33	82,840,663.87	0.310476052	33	4,721,917.84	33	0.310476052	3,126,240.97
71,659.75	250,809,111.71	680,767.59	\$14,296,119	75,236,930.21	0.299976862	34	75,236,930.21	0.299976862	34	4,288,505.02	34	0.299976862	2,839,291.27
67,360.16	235,760,563.13	639,921.53	\$13,438,352	62,059,185.27	0.289832717	35	62,059,185.27	0.289832717	35	3,894,874.10	35	0.289832717	2,578,679.98
63,318.55	221,614,928.49	601,526.23	\$12,632,051	56,362,931.56	0.28003161	36	56,362,931.56	0.28003161	36	3,557,373.56	36	0.28003161	2,341,989.53
59,519.44	208,318,032.82	565,434.66	\$11,874,128	51,189,522.53	0.270561942	37	51,189,522.53	0.270561942	37	3,212,687.10	37	0.270561942	2,127,024.31
55,948.27	195,818,951.39	531,508.58	\$11,161,680	46,490,967.28	0.261412505	38	46,490,967.28	0.261412505	38	2,917,802.78	38	0.261412505	1,931,790.20
52,591.38	184,069,814.15	499,618,007	\$10,491,979	40,041,938.84	0.252372468	39	40,041,938.84	0.252372468	39	2,649,985.14	39	0.252372468	1,754,476.12
46,881.49	164,083,210.85	445,374,114	\$9,352,857	34,258,629.14	0.24403137	40	34,258,629.14	0.24403137	40	2,282,390.51	40	0.24403137	1,511,102.69
41,514.20	145,299,684.72	394,384,836	\$8,282,028	29,077,438.41	0.235779102	41	29,077,438.41	0.235779102	41	1,952,741.86	41	0.235779102	1,292,852.15
36,468.94	127,641,290.25	346,454,931	\$7,275,554	20,296,079.67	0.227805895	42	20,296,079.67	0.227805895	42	1,657,413.99	42	0.227805895	1,097,334.37
27,268.41	95,439,443.80	301,400,801	\$6,329,417	16,596,187.00	0.220102314	43	16,596,187.00	0.220102314	43	1,156,876.54	43	0.220102314	765,933.45
23,077.90	77,472,664.60	219,240,092	\$5,440,048	13,298,017.65	0.212659241	44	13,298,017.65	0.212659241	44	945,982.66	44	0.212659241	626,306.90
19,138.83	66,985,892.06	181,818,885	\$4,818,196	10,362,597.77	0.198519677	45	10,362,597.77	0.198519677	45	757,987.01	45	0.198519677	501,840.59
15,436.09	54,026,325.55	146,642,888	\$3,079,501		0.191806451	46		0.191806451	46	590,668.07	46	0.191806451	391,063.71

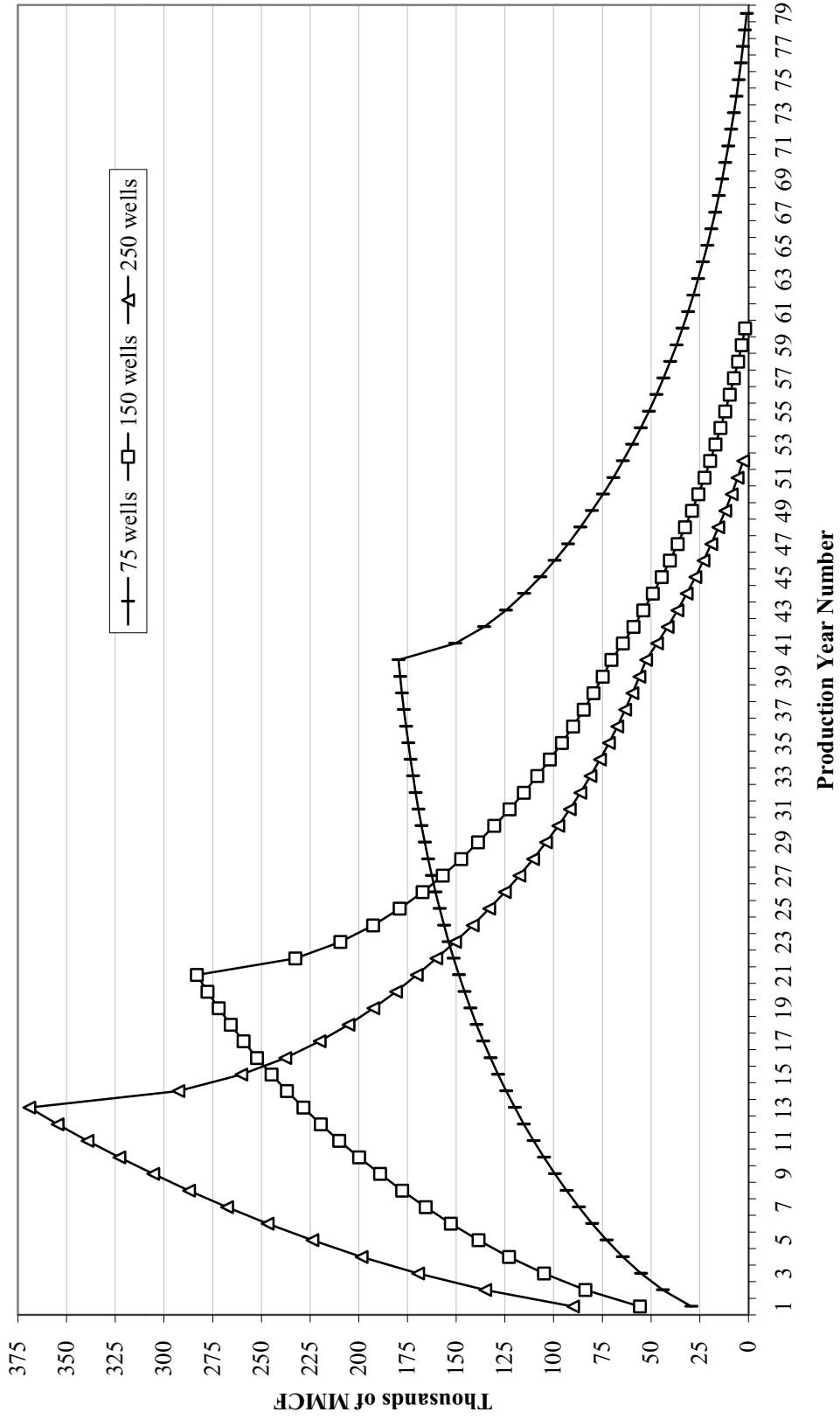
Appendix A

Alternative F – 250 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price /MMCF \$3,500	Condensate Production		Natural Gas		Condensate		Labor			
		Value/bbl \$2	NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor
11,955.52	41,844,332.50	113,577.47	49	0.185320243	7,754,601.85	49	0.185320243	442,012.31	49	0.185320243	295,643.16
8,683.79	30,393,259.02	82,495.99	50	0.179053375	5,442,015.59	50	0.179053375	310,194.89	50	0.179053375	206,370.78
5,608.36	19,629,249.08	53,279.39	51	0.172998429	3,395,829.26	51	0.172998429	193,462.27	51	0.172998429	128,151.80
2,717.45	9,511,079.16	25,813.79	52	0.167148241	1,589,760.15	52	0.167148241	90,616.33	52	0.167148241	59,994.37
-	-	-	53	0.161495885	-	53	0.161495885	-	53	0.161495885	-
-	-	-	54	0.156034672	-	54	0.156034672	-	54	0.156034672	-
-	-	-	55	0.150758137	-	55	0.150758137	-	55	0.150758137	-
-	-	-	56	0.145660036	-	56	0.145660036	-	56	0.145660036	-
-	-	-	57	0.140734334	-	57	0.140734334	-	57	0.140734334	-
-	-	-	58	0.135975202	-	58	0.135975202	-	58	0.135975202	-
-	-	-	59	0.131377007	-	59	0.131377007	-	59	0.131377007	-
-	-	-	60	0.126934306	-	60	0.126934306	-	60	0.126934306	-
-	-	-	61	0.122641841	-	61	0.122641841	-	61	0.122641841	-
-	-	-	62	0.118494533	-	62	0.118494533	-	62	0.118494533	-
-	-	-	63	0.114487471	-	63	0.114487471	-	63	0.114487471	-
-	-	-	64	0.110615914	-	64	0.110615914	-	64	0.110615914	-
-	-	-	65	0.106875279	-	65	0.106875279	-	65	0.106875279	-
-	-	-	66	0.10326114	-	66	0.10326114	-	66	0.10326114	-
-	-	-	67	0.099769217	-	67	0.099769217	-	67	0.099769217	-
-	-	-	68	0.096395379	-	68	0.096395379	-	68	0.096395379	-
-	-	-	69	0.093135632	-	69	0.093135632	-	69	0.093135632	-
-	-	-	70	0.089986118	-	70	0.089986118	-	70	0.089986118	-
-	-	-	71	0.086943109	-	71	0.086943109	-	71	0.086943109	-
-	-	-	72	0.084003004	-	72	0.084003004	-	72	0.084003004	-
-	-	-	73	0.081162322	-	73	0.081162322	-	73	0.081162322	-
-	-	-	74	0.078417703	-	74	0.078417703	-	74	0.078417703	-
-	-	-	75	0.075765896	-	75	0.075765896	-	75	0.075765896	-
-	-	-	76	0.073203765	-	76	0.073203765	-	76	0.073203765	-
-	-	-	77	0.070728275	-	77	0.070728275	-	77	0.070728275	-
-	-	-	78	0.068336498	-	78	0.068336498	-	78	0.068336498	-
-	-	-	79	0.066025601	-	79	0.066025601	-	79	0.066025601	-
-	-	-	80	0.063792852	-	80	0.063792852	-	80	0.063792852	-
-	-	-	81	0.061635605	-	81	0.061635605	-	81	0.061635605	-
7,186,074.18	\$25,151,263,123	68,267,704.69	1,433,621,798.52		14,837,646.462	845,745,848		559,943,102			

Appendix A

LOF PRODUCTION CURVES  
Alternative F



Alternative G - 75 Wells/Year Development Rate

MMCF Natural Gas			Condensate Production			Value/bbl			Natural Gas			Condensate			Labor			
Total Production for Year	Price/ MMCF	\$3,500	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production
			MMCF	MMCF	MMCF	MMCF	MMCF	MMCF	MMCF	MMCF	MMCF	MMCF	MMCF	MMCF	MMCF	MMCF	MMCF	MMCF
32,063.31		112,221,585.52	304,601.45	304,601.45	\$6,396.630	1	1	1	108,426,652.68	1	1	1	6,180,319.20	1	1	0.966183575	0.966183575	4,091,805.02
48,138.45		168,884,572.74	457,315.27	457,315.27	\$9,603.621	2	2	2	157,282,151.50	2	2	2	8,965,082.64	2	2	0.9335107	0.9335107	5,935,513.83
60,418.58		211,465,016.99	573,976.47	573,976.47	\$12,053.506	3	3	3	190,729,329.58	3	3	3	10,871,571.79	3	3	0.901942706	0.901942706	7,197,743.44
70,718.41		247,514,149.46	671,824.85	671,824.85	\$14,108.322	4	4	4	215,694,517.08	4	4	4	12,294,587.47	4	4	0.871442228	0.871442228	8,139,879.69
79,751.63		279,130,687.93	757,640.44	757,640.44	\$15,910.449	5	5	5	235,020,549.28	5	5	5	13,396,171.31	5	5	0.841973167	0.841973167	8,869,205.49
87,886.00		307,007,007.48	834,917.02	834,917.02	\$17,533.257	6	6	6	250,233,617.77	6	6	6	14,263,316.21	6	6	0.813500644	0.813500644	9,443,136.27
95,340.35		333,691,214.12	905,733.30	905,733.30	\$19,020.399	7	7	7	262,278,277.96	7	7	7	14,949,861.84	7	7	0.785990961	0.785990961	9,897,857.65
102,257.26		357,900,395.52	971,443.93	971,443.93	\$20,400.323	8	8	8	279,453,515.63	8	8	8	15,928,850.39	8	8	0.759411556	0.759411556	10,256,950.51
108,818.99		380,866,458.81	1,033,780.38	1,033,780.38	\$21,709.388	9	9	9	294,696,109.91	9	9	9	16,266,312.50	9	9	0.733730972	0.733730972	10,546,016.77
115,013.74		402,548,074.67	1,092,630.49	1,092,630.49	\$22,945.240	10	10	10	310,078,903.56	10	10	10	16,511,946.18	10	10	0.708918814	0.708918814	10,769,440.37
126,310.48		442,086,675.25	1,199,949.55	1,199,949.55	\$25,198.940	11	11	11	330,683,266.26	11	11	11	16,771,018.75	11	11	0.684945714	0.684945714	10,932,067.10
131,455.74		460,095,079.46	1,248,829.50	1,248,829.50	\$26,225.420	12	12	12	348,040,415.3	12	12	12	16,768,642.16	12	12	0.661783298	0.661783298	11,040,839.79
136,292.28		477,022,978.90	1,294,776.66	1,294,776.66	\$27,190.310	13	13	13	364,186,704.55	13	13	13	16,797,678.26	13	13	0.639404153	0.639404153	11,102,017.86
140,838.63		492,935,204.33	1,337,966.98	1,337,966.98	\$28,097.307	14	14	14	379,696,109.91	14	14	14	16,771,018.75	14	14	0.61778179	0.61778179	11,121,241.80
149,129.35		521,952,736.99	1,416,728.86	1,416,728.86	\$29,751.306	15	15	15	394,228,390.05	15	15	15	16,695,569.06	15	15	0.596890619	0.596890619	11,103,591.32
152,905.48		535,169,175.47	1,478,565.89	1,478,565.89	\$28,949.884	16	16	16	407,904,720.30	16	16	16	16,577,540.15	16	16	0.576705912	0.576705912	11,053,638.33
156,455.04		547,992,627.16	1,486,322.85	1,486,322.85	\$31,212.780	17	17	17	420,834,037.74	17	17	17	16,577,540.15	17	17	0.557203779	0.557203779	10,975,494.92
159,791.62		559,270,671.46	1,518,020.39	1,518,020.39	\$31,878.428	18	18	18	433,092,305	18	18	18	16,422,514.37	18	18	0.53836114	0.53836114	10,872,856.97
162,928.01		570,248,032.88	1,547,816.09	1,547,816.09	\$32,504.138	19	19	19	444,287,16	19	19	19	16,255,505.00	19	19	0.52015569	0.52015569	10,749,043.64
165,876.22		580,366,348.96	1,575,824.04	1,575,824.04	\$33,092.305	20	20	20	454,328,5634	20	20	20	16,021,010.50	20	20	0.502565884	0.502565884	10,607,033.23
168,647.53		590,266,968.98	1,602,151.52	1,602,151.52	\$33,645.182	21	21	21	463,985,852.16	21	21	21	15,783,063.57	21	21	0.485570903	0.485570903	10,449,495.67
171,252.56		599,383,968.98	1,626,899.34	1,626,899.34	\$34,164.886	22	22	22	472,373,238.28	22	22	22	15,525,275.72	22	22	0.469150631	0.469150631	10,278,822.02
173,701.29		607,954,531.79	1,650,162.30	1,650,162.30	\$34,653.408	23	23	23	479,957,134	23	23	23	15,250,877.59	23	23	0.453285634	0.453285634	10,097,151.20
176,003.10		616,010,860.86	1,672,029.48	1,672,029.48	\$35,112.619	24	24	24	485,286,634	24	24	24	14,965,755.65	24	24	0.437957134	0.437957134	9,906,394.26
178,166.80		623,883,810.23	1,692,584.63	1,692,584.63	\$35,544.277	25	25	25	490,883,7671	25	25	25	14,355,361.40	25	25	0.423146989	0.423146989	9,708,256.35
180,200.68		630,702,382.59	1,711,906.47	1,711,906.47	\$35,950.036	26	26	26	495,751,34	26	26	26	14,040,424.63	26	26	0.408837671	0.408837671	9,504,256.64
183,909.66		643,083,810.46	1,741,141.77	1,741,141.77	\$36,689.977	27	27	27	500,330,449.2	27	27	27	13,720,487.20	27	27	0.395012242	0.395012242	9,295,746.40
185,598.97		649,596,382.08	1,763,190.18	1,763,190.18	\$37,026.994	28	28	28	504,784,155	28	28	28	13,071,846.76	28	28	0.38165434	0.38165434	9,083,925.37
188,679.59		660,378,547.82	1,792,456.06	1,792,456.06	\$37,641.577	29	29	29	508,748,155	29	29	29	13,097,154.75	29	29	0.368748155	0.368748155	8,869,856.59
190,082.70		665,289,435.30	1,818,315.39	1,818,315.39	\$38,184.623	30	30	30	512,330,644.92	30	30	30	12,745,814.97	30	30	0.356278411	0.356278411	8,654,479.88
191,401.62		669,905,609.63	1,841,164.69	1,841,164.69	\$38,664.459	31	31	31	516,078,883	31	31	31	12,420,160.02	31	31	0.344230348	0.344230348	8,438,623.95
192,641.41		674,444,930.10	1,861,354.54	1,861,354.54	\$39,088.441	32	32	32	519,229,330	32	32	32	12,095,846.57	32	32	0.332589709	0.332589709	8,223,017.53
193,806.81		678,233,834.95	1,881,571.73	1,881,571.73	\$38,883.006	33	33	33	521,856,994.97	33	33	33	11,773,716.92	33	33	0.321342714	0.321342714	8,008,299.26
194,902.29		682,158,005.81	1,899,521.550	1,899,521.550	\$39,088.441	34	34	34	524,637,19	34	34	34	11,454,503.42	34	34	0.310476052	0.310476052	7,795,026.83
195,932.04		685,762,126.63	1,917,530.000	1,917,530.000	\$39,281.550	35	35	35	527,546,437.19	35	35	35	11,138,839.66	35	35	0.299976862	0.299976862	7,585,685.09
196,900.00		689,150,000.00	1,935,948.55	1,935,948.55	\$39,484.920	36	36	36	530,656,437.19	36	36	36	10,824,932.00	36	36	0.289832717	0.289832717	7,374,693.53
164,836.69		576,928,414.48	1,565,948.55	1,565,948.55	\$32,884.920	41	41	41	194,518,239.73	41	41	41	11,388,839.66	41	41	0.28003161	0.28003161	7,168,412.94
148,761.55		520,065,427.26	1,413,234.73	1,413,234.73	\$29,677.929	42	42	42	189,952,115.75	42	42	42	10,827,270.60	42	42	0.270561942	0.270561942	6,965,151.52
136,481.42		447,684,983.01	1,296,573.53	1,296,573.53	\$27,228.044	43	43	43	184,565,994.97	43	43	43	10,520,261.71	43	43	0.261412505	0.261412505	6,765,170.31
126,181.59		411,635,580.54	1,198,725.15	1,198,725.15	\$25,173.228	44	44	44	179,266,795.07	44	44	44	9,921,438.04	44	44	0.252572468	0.252572468	6,568,688.22
117,148.37		410,019,312.07	1,112,909.56	1,112,909.56	\$23,371.101	45	45	45	174,060,316.46	45	45	45	9,214,337.37	45	45	0.24403137	0.24403137	6,322,793.36
109,014.00		381,548,992.52	1,035,632.98	1,035,632.98	\$21,748.293	46	46	46	140,788,631.51	46	46	46	8,024,932.00	46	46	0.235779102	0.235779102	6,062,708.95
101,259.65		355,458,785.88	964,816.70	964,816.70	\$20,261.151	47	47	47	140,788,631.51	47	47	47	7,773,716.92	47	47	0.227805895	0.227805895	5,540,685.76
																		4,022,237.11
																		2,663,003.23

Appendix A

Alternative G - 75 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price/ MMCF \$3.500	Condensate Production Value/bbl \$21	NG Production	Natural Gas		Condensate		Labor Earnings	Discount Factor	PV of LOP Labor
				PV of LOP Production	Condensate	PV of LOP Production	Condensate			
94,642.74	331,249,694.48	899,106.07	48	63,535,811.07	48	0.191806451	3,621,541.23	48	0.191806451	2,397,714.44
88,081.01	308,383,543.19	836,769.62	49	57,131,181.03	49	0.185320243	3,256,477.32	49	0.185320243	2,156,016.51
81,886.26	286,601,925.33	777,919.51	50	51,317,041.88	50	0.179053375	2,925,071.39	50	0.179053375	1,936,602.53
76,063.20	266,221,203.67	722,600.41	51	46,055,850.13	51	0.172998429	2,625,183.46	51	0.172998429	1,738,055.67
70,589.52	247,063,324.75	670,600.45	52	41,296,200.16	52	0.167148241	2,353,883.41	52	0.167148241	1,558,436.00
65,444.26	229,054,920.54	621,720.50	53	36,991,427.12	53	0.161495885	2,108,511.35	53	0.161495885	1,395,982.48
60,607.72	212,127,021.10	575,773.34	54	33,099,170.07	54	0.156034672	1,886,652.69	54	0.156034672	1,249,096.48
56,061.37	196,124,795.67	532,583.02	55	29,580,977.01	55	0.150758137	1,686,115.69	55	0.150758137	1,116,326.91
51,787.80	181,257,303.99	491,984.11	56	26,401,945.34	56	0.145660036	1,504,910.88	56	0.145660036	996,356.61
47,770.65	167,197,263.01	453,821.14	57	23,530,395.43	57	0.140734334	1,341,232.54	57	0.140734334	887,990.06
43,994.52	153,980,824.53	417,947.95	58	20,937,573.69	58	0.135975202	1,193,441.70	58	0.135975202	790,142.16
40,444.96	141,557,372.84	384,227.15	59	18,597,383.90	59	0.131377007	1,060,050.88	59	0.131377007	701,828.07
37,108.38	129,879,328.54	352,529.61	60	16,486,142.41	60	0.126934306	939,710.12	60	0.126934306	622,154.04
33,971.99	118,901,967.12	322,733.91	61	14,582,356.20	61	0.122641841	831,194.30	61	0.122641841	550,308.96
31,023.78	108,383,247.19	294,725.96	62	12,866,521.14	62	0.118494533	733,391.71	62	0.118494533	485,556.77
28,252.47	98,883,651.04	268,398.48	63	11,320,939.16	63	0.114487471	645,293.53	63	0.114487471	427,229.60
25,647.44	89,766,031.02	243,650.66	64	9,929,551.59	64	0.110615914	565,984.44	64	0.110615914	374,721.42
23,198.71	81,195,468.21	220,387.70	65	8,677,788.36	65	0.106875279	494,633.94	65	0.106875279	327,482.38
20,896.90	73,139,139.14	198,520.52	66	7,552,430.86	66	0.10326114	430,488.56	66	0.10326114	285,013.64
18,733.20	65,566,189.77	177,965.37	67	6,541,487.42	67	0.099769217	372,864.78	67	0.099769217	246,862.65
16,699.32	58,447,617.41	158,643.53	68	5,634,080.22	68	0.096395379	321,142.57	68	0.096395379	212,618.92
14,787.47	51,756,159.73	140,481.00	69	4,820,342.63	69	0.093135632	274,759.53	69	0.093135632	181,910.09
12,990.34	45,466,189.54	123,408.23	70	4,091,325.88	70	0.089986118	233,205.57	70	0.089986118	154,398.46
11,301.03	39,533,617.92	107,359.82	71	3,438,914.50	71	0.086943109	196,018.13	71	0.086943109	129,777.76
9,713.09	33,995,800.52	92,274.32	72	2,855,749.35	72	0.084003004	162,777.71	72	0.084003004	107,770.27
8,220.41	28,771,452.18	78,093.94	73	2,335,157.88	73	0.081162322	133,104.00	73	0.081162322	88,124.19
6,817.30	23,860,564.70	64,764.39	74	1,871,090.67	74	0.078417703	106,652.17	74	0.078417703	70,611.22
5,498.38	19,344,330.37	52,234.61	75	1,458,063.94	75	0.075765896	83,109.64	75	0.075765896	55,024.42
4,258.59	14,905,069.90	40,456.62	76	1,091,107.23	76	0.073203765	62,193.11	76	0.073203765	41,176.20
3,093.19	10,826,165.05	29,385.31	77	765,715.98	77	0.070728275	43,645.81	77	0.070728275	28,896.59
1,997.71	6,991,994.19	18,978.27	78	477,808.39	78	0.068336498	27,235.08	78	0.068336498	18,031.53
967.96	3,387,873.37	9,195.66	79	223,686.38	79	0.066025601	12,750.12	79	0.066025601	8,441.48
-	-	-	80	-	80	0.063792852	-	80	0.063792852	-
-	-	-	81	-	81	0.061635605	-	81	0.061635605	-
7,876,000.00	\$27,566,003,500	74,822,000.00	10,954,959,138	624,432,671	413,418,248					



Appendix A

Alternative G - 150 Wells/Year Development Rate

Total Production for Year	MMCF Natural Gas		Condensate Production		Value/bbl		Natural Gas		Condensate		Labor		
	Price /MMCF	\$3.500	Condensate Production	Value/bbl	NG Production	Discount Factor	PV of LTOP Production	Condensate	Discount Factor	PV of LTOP Production	Labor Earnings	Discount Factor	PV of LTOP Labor
61,073.37	213,750,786.06	580,196.97	\$12,184.136	1	206,528,289.91	0.966183575	1	11,772,112.52	0.966183575	1	7,793,964.60	0.966183575	7,793,964.60
9,1692.88	320,925,066.17	871,082.32	\$18,292.729	2	299,586,983.29	0.9335107	2	17,076,458.08	0.9335107	2	11,305,813.58	0.9335107	11,305,813.58
115,083.74	402,793,107.21	1,093,295.58	\$22,959.207	3	363,296,304.94	0.901942706	3	20,707,889.35	0.901942706	3	13,710,075.96	0.901942706	13,710,075.96
134,702.59	471,459,078.71	1,279,674.64	\$26,873.167	4	410,840,349.82	0.871442228	4	23,418,412.94	0.871442228	4	15,504,632.76	0.871442228	15,504,632.76
151,908.84	531,680,931.00	1,443,133.96	\$30,305.813	5	447,661,077.23	0.841973167	5	25,516,681.40	0.841973167	5	16,893,833.73	0.841973167	16,893,833.73
167,402.99	585,910,460.96	1,590,328.39	\$33,396.896	6	476,638,337.30	0.813300644	6	27,168,396.64	0.813300644	6	17,987,385.13	0.813300644	17,987,385.13
181,601.83	635,606,413.27	1,725,217.41	\$36,229.566	7	499,580,895.38	0.785909061	7	28,476,111.04	0.785909061	7	18,853,183.83	0.785909061	18,853,183.83
194,776.98	681,719,437.25	1,850,381.33	\$38,858.008	8	517,705,618.75	0.759411556	8	29,509,220.27	0.759411556	8	19,537,174.64	0.759411556	19,537,174.64
207,275.60	725,464,598.11	1,969,118.19	\$41,351.482	9	532,295,844.86	0.733730972	9	30,340,663.16	0.733730972	9	20,087,780.59	0.733730972	20,087,780.59
219,075.20	766,763,184.30	2,081,214.36	\$43,705.502	10	543,572,847.01	0.708918814	10	30,983,652.28	0.708918814	10	20,515,352.10	0.708918814	20,515,352.10
230,166.82	805,583,856.95	2,186,284.75	\$46,918.280	11	551,781,209.87	0.684945714	11	31,451,238.96	0.684945714	11	20,823,119.30	0.684945714	20,823,119.30
240,592.94	842,072,390.32	2,285,632.93	\$49,998.292	12	557,271,363.04	0.661783298	12	31,764,467.69	0.661783298	12	21,030,306.70	0.661783298	21,030,306.70
250,393.50	876,377,233.93	2,378,338.21	\$49,953.502	13	560,359,242.92	0.639404153	13	31,940,476.85	0.639404153	13	21,146,837.11	0.639404153	21,146,837.11
259,606.02	908,621,059.94	2,466,257.16	\$51,791.400	14	561,329,545.09	0.61778179	14	31,995,784.07	0.61778179	14	21,183,454.37	0.61778179	21,183,454.37
268,265.79	938,930,256.30	2,548,324.98	\$53,519.025	15	560,438,661.53	0.596890619	15	31,945,003.71	0.596890619	15	21,149,834.21	0.596890619	21,149,834.21
276,405.97	967,420,900.45	2,625,856.73	\$55,142.991	16	557,917,352.40	0.576705912	16	31,801,289.09	0.576705912	16	21,054,685.05	0.576705912	21,054,685.05
284,057.74	994,202,103.68	2,698,248.57	\$56,669.520	17	553,973,169.69	0.557203779	17	31,576,470.67	0.557203779	17	20,906,839.48	0.557203779	20,906,839.48
291,250.41	1,019,376,434.62	2,766,878.89	\$58,104.457	18	548,792,658.98	0.53836114	18	31,281,181.56	0.53836114	18	20,710,373.36	0.53836114	20,710,373.36
298,011.52	1,043,040,304.79	2,831,109.40	\$59,453.297	19	542,543,349.84	0.52015569	19	30,924,970.94	0.52015569	19	20,474,500.94	0.52015569	20,474,500.94
304,366.95	1,065,284,342.20	2,891,486.07	\$60,721.208	20	535,375,567.61	0.502565884	20	30,516,407.35	0.502565884	20	20,204,003.17	0.502565884	20,204,003.17
310,341.07	1,086,193,736.94	2,948,240.14	\$61,913.043	21	527,424,073.50	0.485570903	21	30,063,172.19	0.485570903	21	19,903,929.69	0.485570903	19,903,929.69
324,883.37	1,109,376,434.62	3,002,091,788.33	\$63,094.232	22	520,514,537.29	0.469150631	22	29,855,949.24	0.469150631	22	19,794,312.50	0.469150631	19,794,312.50
329,542.58	1,131,113.72	3,059,042.65	\$64,306.926	23	518,525,425.19	0.453285634	23	29,551,607.35	0.453285634	23	19,705,018.93	0.453285634	19,705,018.93
334,030.78	1,152,106.26	3,107,898.08	\$65,539.208	24	516,634,654.54	0.437957134	24	29,275,466.91	0.437957134	24	19,630,867.61	0.437957134	19,630,867.61
338,333.33	1,171,064.65	3,155,577.85	\$66,792.135	25	514,825,425.19	0.423146989	25	29,024,328.65	0.423146989	25	19,571,468.98	0.423146989	19,571,468.98
341,680.659	1,187,194.54	3,203,337.50	\$68,072.029	26	513,094,349.84	0.408837671	26	28,792,444.07	0.408837671	26	19,521,230.18	0.408837671	19,521,230.18
345,078.88	1,203,337.50	3,251,746.65	\$69,375.798	27	511,425,425.19	0.395012242	27	28,581,654.34	0.395012242	27	19,476,403.67	0.395012242	19,476,403.67
348,483.28	1,219,544.54	3,300,629.26	\$70,702.135	28	509,816,824.61	0.38165434	28	28,391,339.42	0.38165434	28	19,434,990.41	0.38165434	19,434,990.41
351,937.99	1,236,800.94	3,350,945.45	\$72,064.135	29	508,261,156.19	0.368748155	29	28,210,900.53	0.368748155	29	19,394,304.41	0.368748155	19,394,304.41
355,444.93	1,254,214.52	3,402,848.88	\$73,451.98	30	506,763,248.10	0.356278411	30	28,040,304.8	0.356278411	30	19,354,230.348	0.356278411	19,354,230.348
358,999.06	1,271,783.88	3,457,306.66	\$74,872.561	31	505,314,324.81	0.344230348	31	27,880,709.9	0.344230348	31	19,313,717.15	0.344230348	19,313,717.15
362,602.66	1,289,511.11	3,513,448.93	\$76,327.838	32	503,913,248.10	0.332589709	32	27,730,905.14	0.332589709	32	19,272,285.11	0.332589709	19,272,285.11
366,255.24	1,307,499.06	3,570,629.26	\$77,811.11	33	502,559,248.10	0.321342714	33	27,591,905.97	0.321342714	33	19,230,905.97	0.321342714	19,230,905.97
370,000.85	1,325,644.52	3,628,778.88	\$79,322.07	34	501,240,905.35	0.310476052	34	27,463,905.97	0.310476052	34	19,189,597.15	0.310476052	19,189,597.15
373,833.33	1,343,977.15	3,688,000.94	\$80,859.66	35	500,963,248.10	0.299976862	35	27,346,202.76	0.299976862	35	19,148,138.59	0.299976862	19,148,138.59
377,755.24	1,362,500.94	3,748,248.93	\$82,423.07	36	500,725,458.58	0.289832717	36	27,238,905.97	0.289832717	36	19,106,655.56	0.289832717	19,106,655.56
381,767.60	1,381,333.33	3,808,511.11	\$84,014.427	37	500,527,324.81	0.28003161	37	27,141,151.51	0.28003161	37	19,064,137.15	0.28003161	19,064,137.15
385,865.56	1,400,566.66	3,869,778.88	\$85,639.827	38	500,359,248.10	0.270561942	38	27,053,905.97	0.270561942	38	19,021,773.52	0.270561942	19,021,773.52
390,030.78	1,420,214.52	3,932,000.94	\$87,294.135	39	500,218,248.10	0.261412505	39	26,975,905.97	0.261412505	39	18,979,285.11	0.261412505	18,979,285.11
394,275.24	1,440,377.15	3,999,248.93	\$88,977.838	40	500,100,905.35	0.252527468	40	26,907,405.97	0.252527468	40	18,937,773.52	0.252527468	18,937,773.52
398,599.06	1,461,054.52	4,070,511.11	\$90,697.167	41	500,000,905.35	0.24403137	41	26,846,304.81	0.24403137	41	18,896,461.61	0.24403137	18,896,461.61
402,999.06	1,482,744.52	4,147,778.88	\$92,451.98	42	500,913,248.10	0.23579102	42	26,791,151.51	0.23579102	42	18,855,285.11	0.23579102	18,855,285.11
407,477.15	1,504,555.56	4,227,000.94	\$94,241.33	43	500,849,905.35	0.227805895	43	26,741,151.51	0.227805895	43	18,814,137.15	0.227805895	18,814,137.15
411,933.33	1,527,444.52	4,308,248.93	\$96,064.135	44	500,800,905.35	0.220102314	44	26,695,905.97	0.220102314	44	18,773,000.94	0.220102314	18,773,000.94
416,466.66	1,551,400.94	4,393,511.11	\$97,927.838	45	500,769,248.10	0.212659241	45	26,654,605.97	0.212659241	45	18,731,773.52	0.212659241	18,731,773.52
421,077.15	1,576,444.52	4,482,778.88	\$99,831.33	46	500,748,248.10	0.205467866	46	26,617,151.51	0.205467866	46	18,690,461.61	0.205467866	18,690,461.61
425,766.66	1,602,666.66	4,575,000.94	\$101,777.838	47	500,737,324.81	0.198519677	47	26,583,905.97	0.198519677	47	18,649,285.11	0.198519677	18,649,285.11
430,533.33	1,629,555.56	4,671,248.93	\$103,759.66	48	500,736,609.94	0.191806451	48	26,554,478.88	0.191806451	48	18,608,137.15	0.191806451	18,608,137.15

Appendix A

Alternative G - 150 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price /MMCF \$3,500	Condensate Production		Natural Gas		Condensate		Labor			
		Value/bbl \$/bbl	NG Production	Discount Factor	PV of LOP Production	Condensate	Discount Factor	PV of LOP Production	Labor Earnings	Discount Factor	PV of LOP Labor
31,808.43	111,329,513.31	302,180.11	49	0.185320243	20,631,612.42	49	0.185320243	1,176,001.91	49	0.185320243	778,595.79
28,166.80	98,583,797.41	267,384.59	50	0.179053375	17,651,761.60	50	0.179053375	1,006,150.41	50	0.179053375	666,142.18
24,743.66	86,602,824.52	235,064.81	51	0.17298429	14,982,152.63	51	0.17298429	853,982.70	51	0.17298429	565,396.48
21,525.92	75,340,710.67	204,496.21	52	0.167148241	12,593,067.27	52	0.167148241	717,804.83	52	0.167148241	475,237.17
18,501.24	64,754,323.53	175,761.74	53	0.161495885	10,457,556.79	53	0.161495885	596,080.74	53	0.161495885	394,647.28
15,658.03	54,803,119.62	148,751.32	54	0.156034672	8,551,186.77	54	0.156034672	487,417.65	54	0.156034672	322,704.69
10,473.17	36,656,103.85	99,495.14	55	0.150758137	6,851,804.73	55	0.150758137	390,552.87	55	0.150758137	258,573.41
8,111.65	28,390,792.49	77,060.72	56	0.145660036	5,339,329.39	56	0.145660036	304,341.78	56	0.145660036	201,495.61
5,891.83	20,621,399.80	55,072.37	57	0.140734334	3,995,559.27	57	0.140734334	227,746.88	57	0.140734334	150,784.42
3,805.19	13,318,170.09	36,449.32	58	0.135975202	2,803,999.00	58	0.135975202	159,827.94	58	0.135975202	105,817.31
1,843.75	6,453,133.76	17,515.65	60	0.126934306	819,124.05	60	0.126934306	46,690.07	60	0.126934306	30,912.10
-	-	-	61	0.122641841	-	61	0.122641841	-	61	0.122641841	-
-	-	-	62	0.118494533	-	62	0.118494533	-	62	0.118494533	-
-	-	-	63	0.114487471	-	63	0.114487471	-	63	0.114487471	-
-	-	-	64	0.110615914	-	64	0.110615914	-	64	0.110615914	-
-	-	-	65	0.106875279	-	65	0.106875279	-	65	0.106875279	-
-	-	-	66	0.10326114	-	66	0.10326114	-	66	0.10326114	-
-	-	-	67	0.099769217	-	67	0.099769217	-	67	0.099769217	-
-	-	-	68	0.096395379	-	68	0.096395379	-	68	0.096395379	-
-	-	-	69	0.093135632	-	69	0.093135632	-	69	0.093135632	-
-	-	-	70	0.089986118	-	70	0.089986118	-	70	0.089986118	-
-	-	-	71	0.086943109	-	71	0.086943109	-	71	0.086943109	-
-	-	-	72	0.084003004	-	72	0.084003004	-	72	0.084003004	-
-	-	-	73	0.081162322	-	73	0.081162322	-	73	0.081162322	-
-	-	-	74	0.078417703	-	74	0.078417703	-	74	0.078417703	-
-	-	-	75	0.075765896	-	75	0.075765896	-	75	0.075765896	-
-	-	-	76	0.073203765	-	76	0.073203765	-	76	0.073203765	-
-	-	-	77	0.070728275	-	77	0.070728275	-	77	0.070728275	-
-	-	-	78	0.068336498	-	78	0.068336498	-	78	0.068336498	-
-	-	-	79	0.066025601	-	79	0.066025601	-	79	0.066025601	-
-	-	-	80	0.063792852	-	80	0.063792852	-	80	0.063792852	-
-	-	-	81	0.061635605	-	81	0.061635605	-	81	0.061635605	-
7,876,050.81	\$27,566,181,345	74,822,482.72	1,571,272,137.17		14,361,860,183	818,626,030		818,626,030			541,987,880

Appendix A

Alternative G and Preferred Action - 250 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3-\$50	Condensate Production Value/Bbl \$21	NG Production	Natural Gas			Condensate			Labor		
				PV of LOP Production	Discount Factor	Condensate	PV of LOP Production	Discount Factor	Labor Earnings	PV of LOP Labor	Discount Factor	Labor
98,657.36	345,300,730.38	937,244.89	1,407,138.43	0.96618375	333,623,913.60	1	19,016,563.08	0.96618375	1	12,590,299.25		
148,119.83	518,419,421.35	\$29,549.97	1,407,138.43	0.9335107	483,950,077.11	2	27,585,154.40	0.9335107	2	18,263,308.01		
185,905.23	650,668,307.25	\$37,088.69	1,766,069.69	0.901942706	586,865,533.54	3	33,451,335.41	0.901942706	3	22,147,131.50		
217,597.34	761,590,690.60	\$43,410.669	2,067,174.73	0.871442228	663,682,288.01	4	37,829,890.42	0.871442228	4	25,046,042.18		
245,392.15	858,872,520.86	\$48,955.734	2,331,225.41	0.841973167	723,147,616.32	5	41,219,414.13	0.841973167	5	27,290,144.74		
270,421.26	946,474,408.36	\$53,949.041	2,569,001.97	0.813500644	769,957,541.02	6	43,887,579.84	0.813500644	6	29,056,657.68		
293,357.94	1,026,752,795.92	\$58,524.909	2,786,900.45	0.785990961	807,018,416.45	7	46,000,049.74	0.785990961	7	30,455,261.00		
314,640.96	1,101,243,353.78	\$62,770.871	2,989,089.10	0.759411556	836,296,929.07	8	47,668,924.96	0.759411556	8	31,560,173.51		
334,831.11	1,171,908,887.17	\$66,798.807	3,180,895.55	0.733730972	859,865,847.10	9	49,012,353.28	0.733730972	9	32,449,017.34		
353,892.07	1,238,622,246.17	\$3,361,974.67	3,361,974.67	0.708918814	878,082,613.39	10	50,060,708.96	0.708918814	10	33,137,081.66		
371,809.37	1,301,332,806.29	\$74,175.970	3,532,189.05	0.684945714	891,342,327.80	11	50,806,512.68	0.684945714	11	33,637,476.77		
388,651.64	1,360,280,734.53	\$77,536.002	3,692,190.57	0.661783298	900,211,071.10	12	51,312,031.05	0.661783298	12	33,972,165.40		
404,483.37	1,415,691,781.01	\$80,694.432	3,842,591.98	0.639404153	905,199,204.06	13	51,596,354.63	0.639404153	13	34,160,407.56		
320,707.83	1,122,477,412.52	\$63,981.213	3,046,724.41	0.61778179	693,446,105.45	14	39,526,428.01	0.61778179	14	26,169,269.13		
285,234.27	998,319,940.78	\$56,904.237	2,709,725.55	0.596890619	595,887,807.04	15	33,965,605.00	0.596890619	15	22,487,614.06		
260,598.45	912,094,581.27	\$51,989.391	2,475,685.29	0.576705912	526,010,337.06	16	29,982,589.21	0.576705912	16	19,850,578.10		
241,266.95	844,434,309.07	\$48,132.756	2,292,035.98	0.557203779	470,521,988.50	17	26,819,753.34	0.557203779	17	17,756,558.80		
220,983.82	778,443,375.42	\$44,905.675	2,138,365.49	0.53836114	424,131,060.92	18	24,175,470.47	0.53836114	18	16,005,857.98		
198,313.66	694,097,802.78	\$39,563.575	1,967,843.86	0.52015569	384,105,523.75	19	21,894,014.85	0.52015569	19	14,495,374.26		
186,681.17	653,384,090.24	\$37,242.893	1,773,471.10	0.469150631	317,264,302.59	21	18,084,065.25	0.469150631	21	11,972,920.25		
175,562.51	614,468,792.09	\$35,024.721	1,667,773.20	0.453285634	288,278,421.39	22	16,431,870.02	0.453285634	22	10,879,051.07		
165,028.76	577,600,652.40	\$32,923.237	1,567,773.20	0.437957134	261,818,077.68	23	14,923,630.43	0.437957134	23	9,880,490.62		
155,127.03	542,944,597.31	\$30,947.842	1,473,706.76	0.423146989	237,786,459.70	24	13,553,828.20	0.423146989	24	8,973,585.42		
145,819.40	510,367,903.77	\$29,090.971	1,385,284.31	0.408837671	215,960,641.90	25	12,309,756.59	0.408837671	25	8,149,922.70		
137,070.23	479,745,818.00	\$27,345.512	1,302,167.22	0.395012242	196,138,162.80	26	11,179,875.28	0.395012242	26	7,401,861.99		
128,846.02	450,961,059.12	\$25,704.780	1,224,037.16	0.38165434	178,135,139.16	27	10,153,702.93	0.38165434	27	6,722,463.88		
121,115.25	428,393,385.77	\$24,162.493	1,150,594.90	0.368748155	161,784,567.09	28	9,221,720.32	0.368748155	28	6,105,425.99		
113,848.33	398,469,172.46	\$22,712.743	1,081,559.18	0.356278411	146,934,772.16	29	8,375,282.01	0.356278411	29	5,545,024.43		
107,017.43	374,561,015.51	\$21,349.978	1,016,665.61	0.344230348	133,448,003.28	30	7,606,536.19	0.344230348	30	5,036,060.75		
100,596.38	352,087,347.05	\$20,068.979	955,665.66	0.332589709	121,199,150.15	31	6,908,351.56	0.332589709	31	4,573,813.53		
94,560.60	330,962,100.40	\$18,864.840	898,325.70	0.321342714	110,074,588.53	32	6,274,251.55	0.321342714	32	4,153,994.82		
88,886.96	311,104,369.40	\$17,732.949	844,426.15	0.310476052	99,971,122.28	33	5,698,353.97	0.310476052	33	3,772,710.21		
83,553.74	292,438,103.06	\$16,668.972	793,760.57	0.299976862	90,795,027.64	34	5,175,316.58	0.299976862	34	3,456,422.75		
78,540.52	274,891,812.39	\$15,668.833	746,134.92	0.289832717	82,461,183.18	35	4,700,287.44	0.289832717	35	3,111,920.13		
73,828.09	258,398,301.59	\$14,728.703	701,366.82	0.28003161	74,892,281.71	36	4,268,860.06	0.28003161	36	2,856,284.93		
69,398.40	242,894,402.56	\$13,844.981	659,284.81	0.270561942	68,018,110.66	37	3,877,032.31	0.270561942	37	2,566,867.46		
65,234.50	228,320,738.45	\$13,014.282	619,727.72	0.261412505	61,774,902.48	38	3,521,169.44	0.261412505	38	2,331,261.27		
61,320.43	214,621,494.73	\$12,233.425	582,544.06	0.252527468	56,104,742.48	39	3,197,970.32	0.252527468	39	2,117,280.77		
57,641.20	201,744,204.88	\$11,499.420	547,591.41	0.24403137	50,955,031.77	40	2,904,436.81	0.24403137	40	1,922,940.99		
51,383.05	179,840,679.19	\$10,250.919	488,138.99	0.235779102	43,886,767.37	41	2,501,545.74	0.235779102	41	1,656,988.83		
45,500.39	159,251,366.11	\$9,077.328	432,253.71	0.227805895	37,548,144.04	42	2,140,244.21	0.227805895	42	1,416,991.86		
39,970.69	139,897,411.91	\$7,974.152	379,721.55	0.220102314	31,869,455.18	43	1,816,558.95	0.220102314	43	1,202,889.50		
34,772.77	121,704,696.04	\$6,937.168	330,341.32	0.212659241	26,787,485.27	44	1,526,886.66	0.212659241	44	1,010,906.12		
29,886.73	104,603,542.92	\$5,962.402	283,923.90	0.205467866	22,244,910.03	45	1,267,959.87	0.205467866	45	839,478.41		
25,293.85	88,528,459.00	\$5,046.122	240,291.53	0.198519677	18,189,753.52	46	1,036,815.95	0.198519677	46	686,444.92		
20,976.54	73,417,880.02	\$4,184,819	199,277.10	0.198519677	14,574,893.82	47	830,768.95	0.198519677	47	550,027.34		

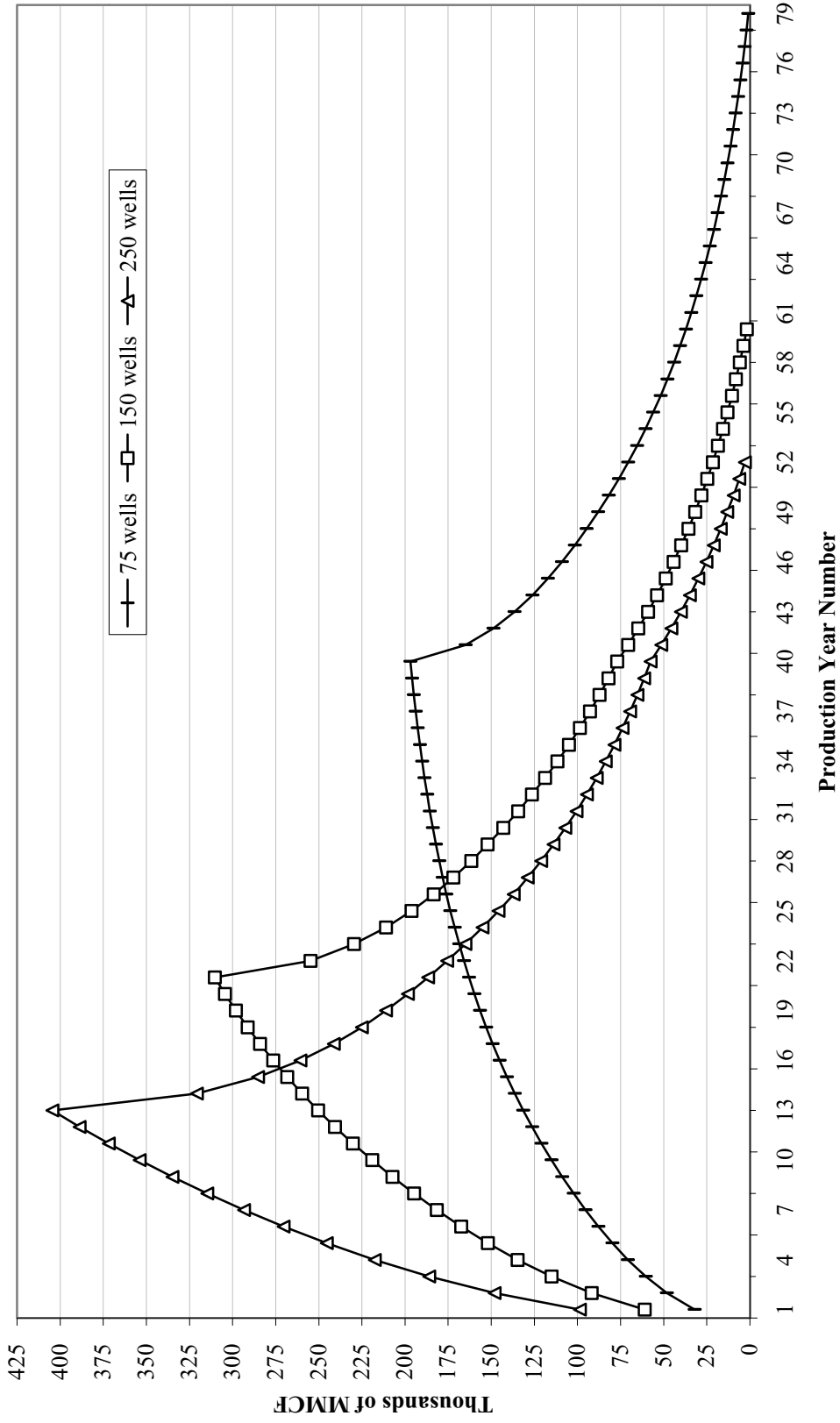
Appendix A

Alternative G and Preferred Action - 250 Wells/Year Development Rate

MMCF Natural Gas Total Production for Year	Price / MMCF \$3,500	Condensate Production	Value/Bbl \$21	NG Production	Natural Gas PV of LOP Production	Condensate	Discount Factor	Condensate PV of LOP Production	Condensate PV of LOP Production	Labor Earnings	Discount Factor	Labor PV of LOP Labor
16,918.27	59,213,935.44	160,723.54	\$3,375,194	48	0.191806451	11,357,614.81	0.191806451	647,384.04	48	0.191806451	428,613.67	
13,103.49	45,862,226.94	124,483.19	\$2,614,147	49	0.185320243	8,499,199.02	0.185320243	484,454.34	49	0.185320243	320,742.77	
9,517.61	33,311,620.94	90,417.26	\$1,898,762	50	0.179053375	5,964,538.14	0.179053375	339,979.81	50	0.179053375	225,090.50	
6,146.87	21,514,050.35	58,395.28	\$1,226,301	51	0.172998429	3,721,896.92	0.172998429	212,148.12	51	0.172998429	140,456.95	
2,978.38	10,424,333.35	28,294.62	\$594,187	52	0.167148241	1,742,408.98	0.167148241	99,317.31	52	0.167148241	65,755.03	
-	-	-	\$0	53	0.161495885	-	0.161495885	-	53	0.161495885	-	
-	-	-	\$0	54	0.156034672	-	0.156034672	-	54	0.156034672	-	
-	-	-	\$0	55	0.150758137	-	0.150758137	-	55	0.150758137	-	
-	-	-	\$0	56	0.145660036	-	0.145660036	-	56	0.145660036	-	
-	-	-	\$0	57	0.140734334	-	0.140734334	-	57	0.140734334	-	
-	-	-	\$0	58	0.135975202	-	0.135975202	-	58	0.135975202	-	
-	-	-	\$0	59	0.131377007	-	0.131377007	-	59	0.131377007	-	
-	-	-	\$0	60	0.126934306	-	0.126934306	-	60	0.126934306	-	
-	-	-	\$0	61	0.122641841	-	0.122641841	-	61	0.122641841	-	
-	-	-	\$0	62	0.118494533	-	0.118494533	-	62	0.118494533	-	
-	-	-	\$0	63	0.114487471	-	0.114487471	-	63	0.114487471	-	
-	-	-	\$0	64	0.110615914	-	0.110615914	-	64	0.110615914	-	
-	-	-	\$0	65	0.106875279	-	0.106875279	-	65	0.106875279	-	
-	-	-	\$0	66	0.10326114	-	0.10326114	-	66	0.10326114	-	
-	-	-	\$0	67	0.099769217	-	0.099769217	-	67	0.099769217	-	
-	-	-	\$0	68	0.096395379	-	0.096395379	-	68	0.096395379	-	
-	-	-	\$0	69	0.093135632	-	0.093135632	-	69	0.093135632	-	
-	-	-	\$0	70	0.089986118	-	0.089986118	-	70	0.089986118	-	
-	-	-	\$0	71	0.086943109	-	0.086943109	-	71	0.086943109	-	
-	-	-	\$0	72	0.084003004	-	0.084003004	-	72	0.084003004	-	
-	-	-	\$0	73	0.081162322	-	0.081162322	-	73	0.081162322	-	
-	-	-	\$0	74	0.078417703	-	0.078417703	-	74	0.078417703	-	
-	-	-	\$0	75	0.075765896	-	0.075765896	-	75	0.075765896	-	
-	-	-	\$0	76	0.073203765	-	0.073203765	-	76	0.073203765	-	
-	-	-	\$0	77	0.070728275	-	0.070728275	-	77	0.070728275	-	
-	-	-	\$0	78	0.068336498	-	0.068336498	-	78	0.068336498	-	
-	-	-	\$0	79	0.066025601	-	0.066025601	-	79	0.066025601	-	
-	-	-	\$0	80	0.063792852	-	0.063792852	-	80	0.063792852	-	
-	-	-	\$0	81	0.061635605	-	0.061635605	-	81	0.061635605	-	
7,876,081.30	\$27,566,288,052	74,822,772.36	1,571,278,219.48		16,262,357,853	926,954,398					613,708,861	

Appendix A

**LOF PRODUCTION CURVES**  
**Alternative G and Preferred Action--3,100 New Wells on 2,553 New Well Pads Scenario**  
**(Preferred Action Would be for the 250 Wells/Year Development Rate Only)**



Appendix A

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