

Organization	Effective Date	Region	Risked Estimates of Undiscovered Resources									Reserves <sup>2</sup>			Cumulative Production			Total Endowment (Mean)			Comments	
			Oil (Bbbl) <sup>1</sup>			Gas (Tcf)			BOE (Bbbl)			Oil	Gas	BOE	Oil	Gas	BOE	Oil	Gas	BOE		
			F <sub>5</sub>	F <sub>95</sub>	Mean	F <sub>5</sub>	F <sub>95</sub>	Mean	F <sub>5</sub>	F <sub>95</sub>	Mean	(Bbbl)	(Tcf)	(Bbbl)	(Bbbl)	(Tcf)	(Bbbl)	(Bbbl)	(Tcf)	(Bbbl)		
USGS (Miller et al., 1975)	1/1/1975 UERR	Alaska OCS	33.00	3.20	16.10	80.00	8.00	44.00				23.93	0.16	0.15	0.19	0.46	0.42	0.53	16.72	44.57	24.65	1. 0-200m WD
		Atlantic OCS	6.55	0.00	3.25	22.00	0.00	10.00				5.03	0.00	0.00	0.00	0.00	0.00	3.25	10.00	5.03	2. Includes state waters	
		Gulf of Mexico OCS	10.23	3.45	6.25	91.00	18.00	50.00				15.15	4.66	102.35	22.87	4.14	32.14	9.85	15.05	184.49	47.87	3. Florida Straits included in Atlantic OCS
		Pacific OCS	5.00	2.00	3.00	6.00	2.00	3.00				3.53	1.31	0.86	1.47	1.50	1.42	1.75	5.81	5.28	6.75	4. Prevailing pre-1974 prices: \$4.17/bbl and \$0.22/mcf
		<b>Total OCS</b>	<b>53.53</b>	<b>11.05</b>	<b>28.60</b>	<b>181.00</b>	<b>42.00</b>	<b>107.00</b>				<b>47.64</b>	<b>6.13</b>	<b>103.36</b>	<b>24.52</b>	<b>6.09</b>	<b>33.98</b>	<b>12.14</b>	<b>40.82</b>	<b>244.33</b>	<b>84.30</b>	5. Delphi subjective judgment
USGS (Dolton et al., 1981)	mid 1980 UERR	Alaska OCS	27.60	5.67	14.33	109.65	33.32	64.61				25.83	0.30	3.20	0.87	0.70	0.60	0.81	15.33	68.41	27.50	1. 0-2500m WD
		Atlantic OCS	14.17	1.37	5.51	42.82	9.17	23.66				9.72	0.00	0.00	0.00	0.00	0.00	5.51	23.66	9.72	2. Includes state waters	
		Gulf of Mexico OCS	16.20	5.01	8.09	114.15	41.66	71.84				20.87	2.70	73.90	15.85	5.60	55.30	15.44	18.39	201.04	52.16	3. Florida Straits included in Atlantic OCS
		Pacific OCS	8.33	1.83	4.04	13.55	3.73	6.89				5.27	1.70	2.30	2.11	1.90	1.50	2.17	7.64	10.69	9.54	4. Prevailing 1980 prices: \$28.07/bbl and \$1.59/mcf
		<b>Total OCS</b>	<b>51.68</b>	<b>21.03</b>	<b>31.97</b>	<b>230.65</b>	<b>117.42</b>	<b>167.00</b>				<b>61.69</b>	<b>4.70</b>	<b>79.40</b>	<b>18.83</b>	<b>8.20</b>	<b>57.40</b>	<b>18.41</b>	<b>44.87</b>	<b>303.80</b>	<b>98.93</b>	5. Delphi subjective judgment
MMS Cooke, 1985	7/1/1984 UERR	Alaska OCS			3.33			13.85				5.79	0.00	0.00	0.00	0.00	0.00	3.33	13.85	5.79	1. 0-2500m WD	
		Atlantic OCS			0.68			12.31				2.87	0.00	0.00	0.00	0.00	0.00	0.68	12.31	2.87	2. Includes Federal OCS only	
		Gulf of Mexico OCS			6.03			59.64				16.64	3.41	43.70	11.19	5.90	62.50	17.02	15.34	165.84	44.85	3. Florida Straits included in Atlantic OCS
		Pacific OCS			2.19			4.70				3.03	1.15	2.14	1.53	0.28	0.16	0.31	3.62	7.00	4.87	4. Starting: \$29/bbl and \$2.90/mcf escalated
		<b>Total OCS</b>			<b>12.23</b>			<b>90.50</b>				<b>28.33</b>	<b>4.56</b>	<b>45.84</b>	<b>12.72</b>	<b>6.18</b>	<b>62.66</b>	<b>17.33</b>	<b>22.97</b>	<b>199.00</b>	<b>58.38</b>	5. PRESTO I prospect summation
MMS Cooke et al., 1990	1/1/1987 UTRR	Alaska OCS	11.21	0.59	3.84	39.42	4.67	16.75				6.82	0.00	0.00	0.00	0.00	0.00	3.84	16.75	6.82	1. 0-2500m WD	
		Atlantic OCS	3.15	0.09	0.96	33.71	6.78	17.03				3.99	0.00	0.00	0.00	0.00	0.00	0.96	17.03	3.99	2. Includes Federal OCS only	
		Gulf of Mexico OCS	15.12	5.52	9.57	156.92	63.02	103.34				27.96	3.95	47.00	12.31	6.93	75.20	20.31	20.45	225.54	60.58	3. Florida Straits included in Atlantic OCS
		Pacific OCS	8.92	0.81	3.51	15.07	3.50	8.01				4.94	1.30	2.14	1.68	0.37	0.33	0.43	5.18	10.48	7.04	
		<b>Total OCS</b>	<b>25.60</b>	<b>9.20</b>	<b>17.88</b>	<b>204.80</b>	<b>97.80</b>	<b>145.13</b>				<b>43.70</b>	<b>5.25</b>	<b>49.14</b>	<b>13.99</b>	<b>7.30</b>	<b>75.53</b>	<b>20.74</b>	<b>30.43</b>	<b>269.80</b>	<b>78.44</b>	
	1/1/1987 UERR Primary Case	Alaska OCS	4.76	0.00	0.92	0.00	0.00	0.00				0.92	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.92	4. Starting: \$18/bbl and \$1.80/mcf escalated	
		Atlantic OCS	1.01	0.00	0.25	9.77	0.00	4.51				1.05	0.00	0.00	0.00	0.00	0.00	0.25	4.51	1.05	5. PRESTO III & DIST	
		Gulf of Mexico OCS	9.88	2.77	5.64	103.65	36.01	64.33				17.09	3.95	47.00	12.31	6.93	75.20	20.31	16.52	186.53	49.71	
		Pacific OCS	6.02	1.78	2.10	11.04	1.78	5.17				3.02	1.30	2.14	1.68	0.37	0.33	0.43	3.77	7.64	5.13	
		<b>Total OCS</b>	<b>14.30</b>	<b>4.00</b>	<b>8.91</b>	<b>113.84</b>	<b>44.30</b>	<b>74.01</b>				<b>22.08</b>	<b>5.25</b>	<b>49.14</b>	<b>13.99</b>	<b>7.30</b>	<b>75.53</b>	<b>20.74</b>	<b>21.46</b>	<b>198.68</b>	<b>56.81</b>	
MMS Cooke, 1991	1/1/1990 UERR	Alaska OCS	7.16	0.00	1.87	0.00	0.00	0.00				1.87	0.00	0.00	0.00	0.00	0.00	1.87	0.00	1.87	1. 0-2500m WD	
		Atlantic OCS	1.01	0.00	0.25	9.77	0.00	4.51				1.05	0.00	0.00	0.00	0.00	0.00	0.25	4.51	1.05	2. Includes Federal OCS only	
		Gulf of Mexico OCS	17.16	1.24	6.34	122.68	27.90	64.74				17.86	3.03	40.20	10.18	7.84	88.90	23.66	17.21	193.84	51.70	3. Florida Straits included in Atlantic OCS
		Pacific OCS	6.12	0.63	2.49	12.14	2.46	6.15				3.58	1.48	2.20	1.87	0.46	0.48	0.55	4.43	8.83	6.00	4. \$18/bbl and \$1.80/mcf flat
		<b>Total OCS</b>	<b>23.93</b>	<b>3.56</b>	<b>10.95</b>	<b>133.68</b>	<b>46.44</b>	<b>75.40</b>				<b>24.36</b>	<b>4.51</b>	<b>42.40</b>	<b>12.05</b>	<b>8.30</b>	<b>89.38</b>	<b>24.21</b>	<b>23.76</b>	<b>207.18</b>	<b>60.62</b>	5. PRESTO III
MMS MMS, 1996	1/1/1995 UTRR	Alaska OCS	33.57	16.85	24.31	229.53	58.01	125.93	70.61	28.68	46.72	0.04	0.70	0.16	0.00	0.00	0.00	24.35	126.63	46.88	1. No WD limit	
		Atlantic OCS	3.70	1.30	2.30	43.40	15.90	27.50	10.70	4.50	7.20	0.00	0.00	0.00	0.00	0.00	0.00	2.30	27.50	7.20	2. Includes Federal OCS only	
		Gulf of Mexico OCS	11.10	6.00	8.30	110.30	82.30	95.70	30.00	21.20	25.40	8.60	65.60	20.27	9.34	112.60	29.38	26.24	273.90	75.05	3. Florida Straits included in Gulf of Mexico OCS	
		Pacific OCS	12.60	9.00	10.70	23.20	15.20	18.90	16.60	11.80	14.10	1.23	2.03	1.59	0.68	0.65	0.79	12.61	21.58	16.48		
		<b>Total OCS</b>	<b>55.30</b>	<b>37.10</b>	<b>45.61</b>	<b>369.20</b>	<b>186.30</b>	<b>268.03</b>	<b>117.00</b>	<b>72.90</b>	<b>93.42</b>	<b>9.87</b>	<b>68.33</b>	<b>22.03</b>	<b>10.02</b>	<b>113.25</b>	<b>30.17</b>	<b>65.50</b>	<b>449.61</b>	<b>145.62</b>		
	1/1/1995 UERR	Alaska OCS	7.65	1.41	3.75	4.33	0.02	1.11	8.20	1.43	3.95	0.04	0.70	0.16	0.00	0.00	0.00	3.79	1.81	4.11	4. \$18/bbl and \$2.11/mcf flat	
		Atlantic OCS			0.40			5.20			1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.40	5.20	1.33	5. GRASP & PRESTO V	
		Gulf of Mexico OCS			4.90			57.90			15.20	8.60	65.60	20.27	9.34	112.60	29.38	22.84	236.10	64.85		
		Pacific OCS			5.30			8.30			6.78	1.23	2.03	1.59	0.68	0.65	0.79	7.21	10.98	9.16		
		<b>Total OCS</b>			<b>14.35</b>			<b>72.51</b>			<b>27.25</b>	<b>9.87</b>	<b>68.33</b>	<b>22.03</b>	<b>10.02</b>	<b>113.25</b>	<b>30.17</b>	<b>34.24</b>	<b>254.09</b>	<b>79.45</b>		
MMS MMS, 2001	1/1/1999 UTRR	Alaska OCS	35.40	16.50	24.90	226.80	55.00	122.60	71.90	28.00	46.70	0.00	0.00	0.00	0.00	0.00	0.00	24.90	122.60	46.70	1. No WD limit	
		Atlantic OCS	2.80	1.90	2.30	34.10	23.90	28.00	8.90	6.20	7.30	0.00	0.00	0.00	0.00	0.00	0.00	2.30	28.00	7.30	2. Includes Federal OCS only	
		Gulf of Mexico OCS	44.90	33.40	37.10	207.20	180.40	192.70	81.80	65.50	71.40	12.09	103.23	30.46	10.91	132.70	34.52	60.10	428.63	136.38	3. Florida Straits included in Gulf of Mexico OCS	
		Pacific OCS	12.60	9.00	10.70	23.20	15.20	18.90	16.60	11.80	14.10	1.58	1.85	1.91	0.92	1.02	1.10	13.20	21.77	17.11	4. GRASP & PRESTO V	
		<b>Total OCS</b>	<b>88.30</b>	<b>63.70</b>	<b>75.00</b>	<b>468.60</b>	<b>292.10</b>	<b>362.20</b>	<b>166.90</b>	<b>117.80</b>	<b>139.50</b>	<b>13.67</b>	<b>105.08</b>	<b>32.37</b>	<b>11.83</b>	<b>133.72</b>	<b>35.62</b>	<b>100.50</b>	<b>601.00</b>	<b>207.49</b>		
MMS MMS, 2006	1/1/2003 UTRR	Alaska OCS	55.14	8.66	26.61	279.62	48.28	132.06	104.89	17.25	50.11	0.03	0.00	0.03	0.01	0.00	0.01	26.65	132.06	50.15	1. No WD limit	
		Atlantic OCS	7.57	1.12	3.82	66.46	14.30	36.99	19.39	3.67	10.40	0.00	0.00	0.00	0.00	0.00	0.00	3.82	36.99	10.40	2. Includes Federal OCS only	
		Gulf of Mexico OCS	49.11	41.21	44.92	249.08	218.83	232.54	93.43	80.15	86.30	13.94	58.61	24.37	13.05	152.25	40.14	71.91	443.40	150.81	3. Florida Straits included in Gulf of Mexico OCS	
		Pacific OCS	13.94	7.55	10.53	24.12	13.29	18.29	18.24	9.91	13.79	1.46	1.56	1.74	1.06	1.32	1.29	13.05	21.17	16.82	4. GRASP II	
		<b>Total OCS</b>	<b>115.13</b>	<b>66.60</b>	<b>85.88</b>	<b>565.87</b>	<b>326.40</b>	<b>419.88</b>	<b>215.82</b>	<b>124.68</b>	<b>160.60</b>	<b>15.43</b>	<b>60.17</b>	<b>26.14</b>	<b>14.12</b>	<b>153.57</b>	<b>41.45</b>	<b>115.43</b>	<b>633.62</b>	<b>228.18</b>		
BOEM BOEM, 2011 <sup>3</sup>	1/1/2009 UTRR	Alaska OCS	55.53	8.81	26.61	271.04	47.43	131.45	103.76	17.25	50.00	0.03	0.00	0.03	0.03	0.00	0.03	26.67	131.45	50.06	1. No WD limit	
		Atlantic OCS	9.23	1.32	4.72	67.69	11.81	37.51	21.27													