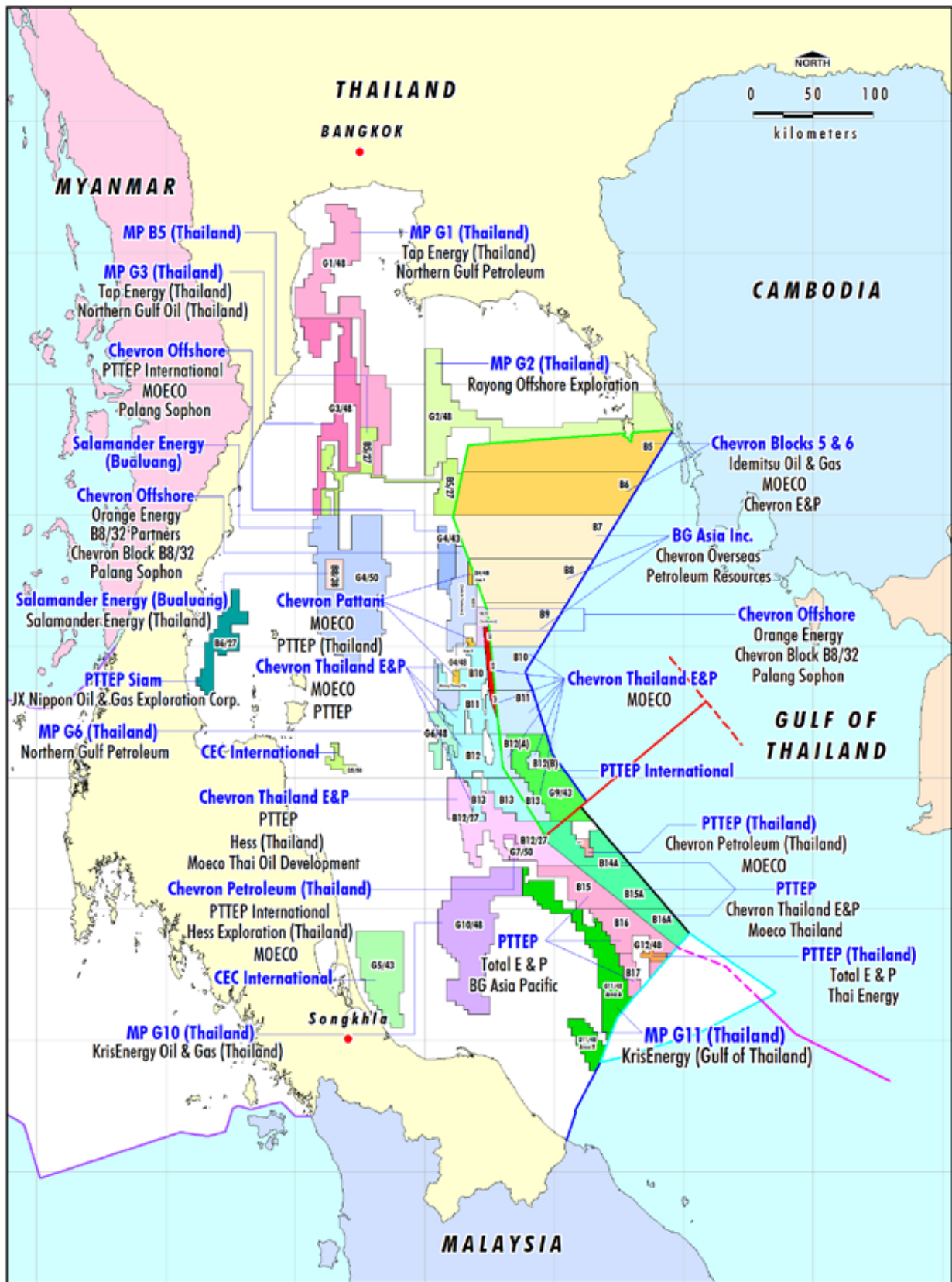


Petroleum Concession Map Offshore (Gulf of Thailand)



Petroleum Concessions in Thailand (as of January 1, 2014)

Concess. No. Date Issued	Concessionaire (s)	Share (%)	Block	Concession Area (sq.km.)		
				Exploration	Production	Reserves

Gulf of Thailand						
1/1/2514	Thailand-Cambodia Overlapping Area					
26-Nov-71	Mitsui Oil Exploration Co., Ltd.	20.00	5	4,645.000	-	-
	Idemitsu Oil & Gas Co., Ltd.	50.00	6	5,510.000	-	-
	Chevron Thailand Exploration and Production, Ltd.	20.00				
	*Chevron Blocks 5 and 6, Ltd.	10.00				
1/2515/5	Gas Sale Agreement No.2					
1-Mar-72	*Chevron Thailand Exploration and Production, Ltd.	70.00				
	Mitsui Oil Exploration Co., Ltd.	30.00				
	Gas Sale Agreement No.2 (Supplementary)		10	-	744.310	123.080
	*Chevron Thailand Exploration and Production, Ltd.	71.25	11	-	1,154.670	-
	Mitsui Oil Exploration Co., Ltd.	23.75				
	PTT Exploration and Production Public Co., Ltd.	5.00				
	Thailand-Cambodia Overlapping Area					
	*Chevron Thailand Exploration and Production, Ltd.	60.00	10	1,382.900	-	-
	Mitsui Oil Exploration Co., Ltd.	40.00	11	1,401.490	-	-
17-Dec-97	*Chevron Thailand Exploration and Production, Ltd.	60.00	10A	-	166.000	-
Sup.No 9	Mitsui Oil Exploration Co., Ltd.	40.00	11A	-	88.000	-
2/2515/6	Gas Sale Agreement No.1					
1-Mar-72	*Chevron Thailand Exploration and Production, Ltd.	80.00	12	-	1,295.165	-
	Mitsui Oil Exploration Co., Ltd.	20.00	13	-	1,175.770	-
	Gas Sale Agreement No.2					
	*Chevron Thailand Exploration and Production, Ltd.	70.00	12	-	-	-
	Mitsui Oil Exploration Co., Ltd.	30.00	13	-	-	-
	Gas Sale Agreement No.2 (Supplementary)					
	*Chevron Blocks 5 and 6, Ltd.	71.25	12	-	-	-
	Mitsui Oil Exploration Co., Ltd.	23.75	13	-	-	-
	PTT Exploration and Production Public Co., Ltd.	5.00				
8-Jun-99	Thailand-Cambodia Overlapping Area		12(A)	294.000	-	-
Sup.No 6	*Chevron Thailand Exploration and Production, Ltd.	80.00	12(B)	125.000	-	-
	Mitsui Oil Exploration Co., Ltd.	20.00	13	471.000	-	-
3/2515/7	*PTT Exploration and Production Public Co., Ltd.		16	-	1,608.477	981.450
8-Mar-72	Total E&P Thailand	33.33	17	-	518.380	413.380
	BG Asia Pacific Pte. Ltd.	22.22				
1-Jun-98	*PTT Exploration and Production Public Co., Ltd.	80.00				
Sup.No 11	Chevron Thailand Exploration and Production, Ltd.	16.00	16A	-	719.846	-
	MOECO Thailand Co., Ltd.	4.00				

Concess. No.
Date Issued

Concessionaire (s)

Share (%)

Block

Concession Area
(sq.km.)

Exploration

Production

Reserves

4/2515/8	Thailand-Cambodia Overlapping Area					
9-Mar-72	*BG Asia Inc.	50.00	7	4,760.000	-	-
	Chevron Overseas Petroleum (Thailand) Ltd.	33.33	8	3,400.000	-	-
	Petroleum Resources (Thailand) Pty., Ltd.	16.67	9	2,260.000	-	-
17-Jun-03	*Chevron Offshore (Thailand) Ltd.	44.34				
Sup.No 9	Orange Energy Limited	46.34				
	Chevron Block B 8/32 (Thailand) Ltd.	7.32	9A	-	80.028	-
	Palang Sophon Limited	2.00				
5/2515/9	Thailand-Cambodia Overlapping Area					
10-Mar-72	*PTT Exploration and Production Public Co., Ltd.	44.45				
	Total E&P Thailand	33.33	15	-	1,073.632	-
	BG Asia Pacific Pte. Ltd.	22.22				
27-Feb-98	*PTT Exploration and Production Public Co., Ltd.	80.00				
Sup.No 11	Chevron Thailand Exploration and Production, Ltd.	16.00	14A	-	1,373.184	-
	MOECO Thailand Co., Ltd.	4.00				
	Thailand-Cambodia Overlapping Area					
	*PTT Exploration and Production Public Co., Ltd.	80.00				
	Chevron Thailand Exploration and Production, Ltd.	16.00	14A	133.00	-	-
	MOECO Thailand Co., Ltd.	4.00				
1-Jun-98	*PTT Exploration and Production Public Co., Ltd.	80.00				
Sup.No 11	Chevron Thailand Exploration and Production, Ltd.	16.00	15A	-	1,466.052	-
	MOECO Thailand Co., Ltd.	4.00				
3/2528/28	Thailand-Cambodia Overlapping Area					
6-Feb-85	*PTTEP Siam, Ltd.	60.00				
	JX Nippon Oil & Gas Exploration Corporation	40.00	B6/27	-	9.638	1,296.963
1/2529/33	Thailand-Cambodia Overlapping Area					
15-Jan-86	*Chevron Thailand Exploration and Production, Ltd.	35.00				
	PTT Exploration and Production Public Co., Ltd.	45.00	B12/27	-	1,640.540	1,480.570
	Hess (Thailand) Limited.	15.00				
	MOECO Thai Oil Development Co., Ltd.	5.00				
1/2532/35	Thailand-Cambodia Overlapping Area					
9-Aug-89	MP B5 (Thailand) Limited	100.00	B5/27	-	75.899	1,855.340
1/2534/36	Tantawan Production Area					
1-Aug-91	*Chevron Offshore (Thailand) Ltd.	44.34				
	Orange Energy Limited	46.34	B8/32	-	274.667	-
	Chevron Block B 8/32 (Thailand) Ltd.	7.32				
	Palang Sophon Limited	2.00				
	Outside Tantawan Production Area					
	*Chevron Offshore (Thailand) Ltd.	29.67				
	Orange Energy Limited	31.67				
	B 8/32 Partners Ltd.	31.67	B8/32	-	1,717.430	-
	Chevron Block B 8/32 (Thailand) Ltd.	5.00				
	Palang Sophon Limited	2.00				

Concess. No. Date Issued	Concessionaire (s)	Share (%)	Block	Concession Area (sq.km.)		
				Exploration	Production	Reserves
3/2539/50 24-Oct-96	*Salamander Energy (Bualuang) Limited Salamander Energy (E&P) Limited	60.00 40.00	B8/38	-	376.563	-
4/2546/61 17-Jul-03	*Chevron Offshore (Thailand) Ltd. PTTEP International Ltd. Mitsui Oil Exploration Co., Ltd. Palang Sophon Limited	51.00 21.38 21.25 6.38	G4/43	-	454.850	221.410
7/2546/67 17-Jul-03	CEC International Ltd.	100.00	G5/43	-	357.700	2,137.270
8/2546/65 17-Jul-03	Thailand-Cambodia Overlapping Area PTTEP International Ltd.	100.00	G9/43	2,619.000	-	-
1/2549/69 15-Mar-06	*Chevron Pattani, Ltd. Mitsui Oil Exploration Co., Ltd. PTTEP International Ltd.	71.25 23.75 5.00	G4/48	104.810	70.830	-
3/2549/71 15-Jan-86	*PTTEP International Ltd. Total E&P Thailand Thai Energy Co., Ltd	44.45 33.33 22.22	G12/48	154.870	-	-
7/2549/75 8-Dec-06	*MP G1 (Thailand) Limited Northern Gulf Petroleum Pte. Ltd. Tap Energy (Thailand) Pty. Ltd.	60.00 10.00 30.00	G1/48	4,246.040	161.140	-
8/2549/76 8-Dec-06	*MP G10 (Thailand) Limited KrisEnergy (Gulf of Thailand) Limited	75.00 25.00	G10/48	4,695.740	-	-
2/2550/78 8-Jan-07	*MP G2 (Thailand) Limited Rayong Offshore Limited	50.00 50.00	G2/48	4,719.760	-	-
3/2550/79 8-Jan-07	*MP G3 (Thailand) Limited Northern Gulf Oil (Thailand) Co., Ltd. Tap Energy (Thailand) Pty. Ltd.	60.00 10.00 30.00	G3/48	2,917.440	-	-
4/2550/80 8-Jan-07	*MP G6 (Thailand) Limited Northern Gulf Petroleum Pte. Ltd.	60.00 40.00	G6/48	566.440	-	-
5/2550/81 13-Feb-07	*MP G11 (Thailand) Limited KrisEnergy (Gulf of Thailand) Limited	75.00 25.00	G11/48	3,374.300	23.180	-
9/2550/85 19-Dec-07	CEC International, Ltd	100.00	G5/50	270.030	-	-
11/2550/87 19-Dec-07	*Chevron Petroleum (Thailand), Ltd. PTTEP International Limited Hess Exploration (Thailand) Co., Ltd. Mitsui Oil Exploration Co., Ltd.	35.00 45.00 15.00 5.00	G7/50	150.150	-	-
12/2550/88 19-Dec-07	*PTTEP International Limited Chevron Petroleum (Thailand), Ltd. Mitsui Oil Exploration Co., Ltd.	80.00 16.00 4.00	G8/50	-	121.940	-

Concess. No. Date Issued	Concessionaire (s)	Share (%)	Block	Concession Area (sq.km.)		
				Exploration	Production	Reserves

Onshore						
1/2522/16 15-Mar-79	*PTTEP Siam, Ltd. PTT Exploration and Production Public Co., Ltd.	75.00 25.00	S1	-	815.605	509.700
2/2522/17 16-Mar-79	Namphong Area *ExxonMobil Exploration and Production Khorat Inc. PTT Exploration and Production Public Co., Ltd.	80.00 20.00	E5	-	34.400	34.540
	Phu Horm Area *Hess (Thailand) Limited Apico LLC PTT Exploration and Production Public Co., Ltd. ExxonMobil Exploration and Production Khorat Inc.	35.00 35.00 20.00 10.00	E5	-	39.310	-
1/2524/19 3-Jun-81	*Hess (Thailand) Limited. Apico LLC PTTEP Siam Ltd. ExxonMobil Exploration and Production Khorat Inc.	35.00 35.00 20.00 10.00	EU1	-	192.890	-
1/2526/23 12-Apr-83	*Sino-U.S. Petroleum Inc. Central Place Company Ltd. Thai Offshore Petroleum Ltd. Sino Thai Energy Ltd.	33.33 33.33 16.67 16.67	NC	-	11.224	-
1/2527/24 24-Jul-84	ECO Orient Energy (Thailand) Ltd.	100.00	SW1	-	14.461	-
2/2528/27 5-Feb-85	PTTEP International Ltd.	100.00	PTTEP1	-	9.040	-
1/2546/58 17-Jul-03	CNPCHK (Thailand) Ltd.	100.00	L21/43	-	43.320	26.990
2/2546/59 17-Jul-03	PTTEP International Ltd.	100.00	L22/43	-	11.670	451.340
3/2546/60 17-Jul-03	ECO Orient Resources (Thailand) Ltd.	100.00	L44/43	-	79.530	489.740
5/2546/62 17-Jul-03	ECO Orient Resources (Thailand) Ltd.	100.00	L33/43	-	11.940	493.000
9/2546/66 25-Sep-03	Apico (Khorat) Limited	100.00	L15/43 L27/43	921.360 -	- 31.910	- 491.690
1/2547/67 22-Jan-04	*Siam Moeco Ltd GS Energy Corporation	70.00 30.00	L10/43 L11/43	884.790 908.850	77.660 47.420	-
2/2547/68 22-Jan-04	PTTEP International Ltd.	100.00	L53/43 L54/43	- -	1.980 10.830	325.380 372.400

Concess. No.
Date Issued

Concessionaire (s)

Share (%)

Block

Concession Area
(sq.km.)

Exploration

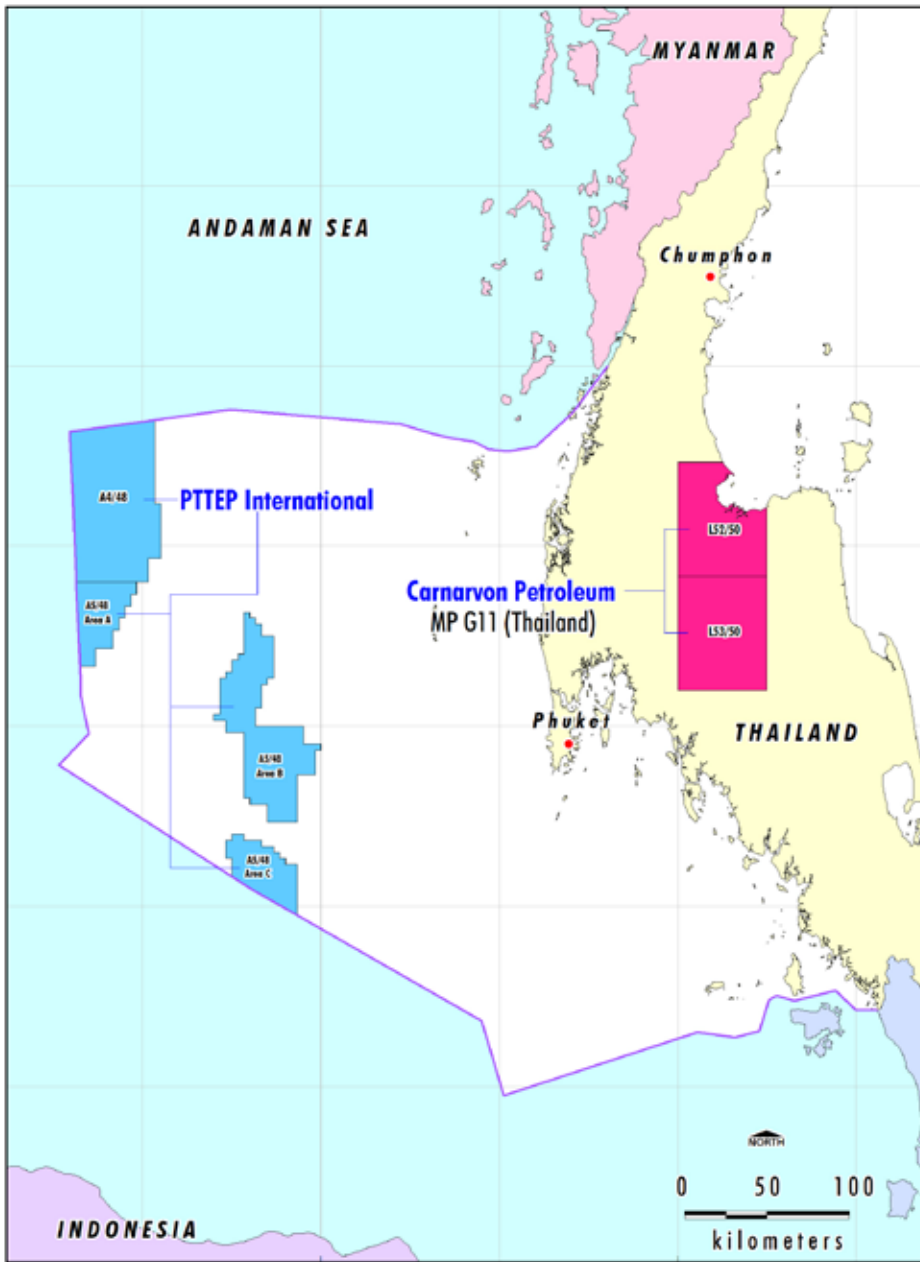
Production

Reserves

6/2549/74 8-Dec-06	*PTTEP International Ltd. Resourceful Petroleum (Thailand) Ltd.	70.00 30.00	L28/48	935.820	-	-	
1/2550/77 8-Jan-07	Pan Orient Energy (Siam) Ltd.	100.00	L53/43	963.120	13.970	-	
13/2550/89 19-Dec-07	*Twinza Oil Limited Twinza Oil (Thailand) Limited	50.00 50.00	L7/50 L13/50	1,256.760 628.620	-	-	
7/2551/98 21-Jan-08	Siam Moeco Limited	100.00	L20/50	1,943.050	-	-	
8/2551/99 21-Jan-08	MP L21 (Thailand) Limited	100.00	L21/50	1,969.810	-	-	
10/2551/101 21-Jan-08	*Pan Orient Energy (Siam) Limited Mitra Energy Limited	60.00 40.00	L45/50	1,987.760	-	-	
11/2551/102 21-Jan-08	Tatex Thailand III, LLC	100.00	L16/50	1,965.890	-	-	
3/2553/105 25-Feb-10	*Carnarvon Petroleum Limited MP G11 (Thailand) Limited	50.00 50.00	L52/50 L53/50	3,067.000 3,855.000	-	-	
6/2553/108 25-Feb-10	Shaanxi Yanchang Petroleum (Group) Co., Ltd	100.00	L31/50	3,960.000	-	-	
1/2554/109 8-Feb-11	JSX Energy Holdings Limited	100.00	L14/50	3,934.000	-	-	
2/2554/110 8-Feb-11	TPI Polene Power Co., Ltd.	100.00	L29/50	3,960.000	-	-	
Total			24 concessions	29 blocks	33,141.830	1,447.180	3,194.780

*Operator

Petroleum Concession Map Offshore (Andaman Sea) Onshore (Lower Thailand)



Concess. No. Date Issued	Concessionaire (s)	Share (%)	Block	Concession Area (sq.km.)		
				Exploration	Production	Reserves
Andaman Sea						
6/2550/82 13-Feb-07	PTTEP International,Ltd.	100.00	A4/48 A5/48	4,883.260 6,039.930	-	-
Total		1 concession	2 blocks	10,923.190	0.000	0.000
Grand Total		51 concessions	64 blocks	98,089.650	18,195.068	11,704.243