## **CONTENTS**

Contents List of Tables and Figures Synopsis Candidate's Declaration Acknowledgements			i iii v vi vii
PART 1: FRAM Introduction		EWORK	1 1
Introdu 1. 2.	action Oil: Pol The Ch	cal Framework  iticisation and Bargaining aracteristics of the Contemporary Oil Industry Major Actors: Characteristics and Interests The Contemporary Oil Industry: From Cooperation to Conflict appirical Conundrums	3 3 5 10 10 28 35
Chapter 2: Introdu 1. 2. 3. 4. Conclu	uction Host St Home S The Ris Issue Li	Literature and Hypotheses  ate-MNC Bargaining State-MNC Relations be of China and the New Age of Energy Security binkage	38 38 40 55 65 68 72
PART 2: Case Selection		STUDIES lethodology	74 74
Chapter 3: Case Si	J	Vladimir Putin and the Oil Industry – From 'Bandit Capitalism' to 'Statist Capitalism' Pipeline Bargaining – 'The Scramble for Siberia'	79 85 101
1	Venezu tudy 3:	nela Oil Industry Bargaining in Venezuela – 'The End of the Royalty Holiday'	125 132
		nited States Bargaining for UNOCAL – The Rise of Neo- Mercantilism Bargaining for the Future of ANWR – Oil versus Environment	156 162 175
Chapter 6:	Iran		191

Case S	tudy 6: Oil Industry and Nuclear Bargaining in Iran – 'Using Oil as a Shield'	202
PART 3:	CONCLUSIONS	242
Chapter 7:	Discussion of Findings	243
Introd	uction	243
Hypot	neses Revisited	246
Conclu	sion	274
Chapter 8:	Contributions to Literature, Policy Implications, and	
_	Heuristic Value	276
Introd		276
1.	The Original Contribution to Knowledge	276
2.	Policy Implications	280
3.	Heuristic Value for Further Research	293
Conclu	sion	295
Appendices		297
1.	Selection of the IOC-Host State Bargaining Model Variables	297
2.	Timeline of Russia's Domestic Oil Bargaining	306
3.	Timeline of Oil Pipeline Bargaining between Russia,	
	China and Japan	308
4.	Timeline of Oil Industry Bargaining in Venezuela	310
5.	Timeline of Bargaining for UNOCAL	312
6.	Timeline of Bargaining for the Future of ANWR	313
7.	Timeline of Oil Industry and Nuclear Bargaining in Iran	315
8.	Measurement of the IOC-Host State Bargaining Model	
	Variables	318
9.	Acronyms and Abbreviations	333
Bibliography		336

## **LIST OF TABLES AND FIGURES**

## Tables

1.1	Net Oil Exporters and Importers (2005)	11
1.2	OPEC, OECD, and non-OPEC Oil Reserves, R/P Ratio and	
	Production (2005)	12
1.3	Increasing Net Oil Imports in the OECD, US and China	17
1.4	Major IOCs' Crude Oil and Natural Gas Liquids (NGL) Reserves (2002-2005)	32
3.1	Russian Crude Oil Production and Consumption (1985-2005)	82
3.2	Goals of Main Actors in Russian Oil Industry Bargaining	85
3.3	Main Russian Oil Companies and Their Ownership, Reserves and Production (2005)	93
3.4	Goals of Main Actors in Russian Pipeline Bargaining	101
3.5	China's Crude Oil Production and Consumption (1992-2005)	119
3.6	Chinese, Japanese and American Oil Imports by Region of Origin (2005)	119
3.7	Japan's Crude Oil Consumption (1996 – 2005)	122
3.8	Factors Favouring "China" and "Japan" Pipeline Route	124
4.1	Venezuela's Crude Oil Production and Consumption (Selected Years	
	and 1998-2005)	131
4.2	Goals of Main Actors in Oil Industry Bargaining in Venezuela	135
5.1	The U.S. Crude Oil Production and Consumption (Selected Years and 1995-2005)	161
5.2	Goals of Main Actors in Bargaining for UNOCAL	162
5.3	Goals of Main Actors in Bargaining for the Future of ANWR	176
6.1	Iran's Crude Oil Production and Consumption (Selected Years and 1994-2005)	196
6.2	Goals of Main Actors in Oil Industry and Nuclear Bargaining in Iran	205
6.3	Iran's Oil Exports to Europe (2001-2005)	234
6.4	Iran's Oil Exports to Asia (2004 and 2005)	237
7.1	Influence of Various Variables on Host States' Increase in Bargaining	
	Power vis-à-vis IOCs between 1998/99 and 2005/06	255
7.2	Major IOCs' and Chinese NOCs' Oil Reserves (2004 and 2005)	266
7.3	Major IOCs' and Chinese NOCs' R/P Ratios (2004 and 2005)	266
A8-1	The Total and Individual Variable Score for Iran, Russia, and Venezuela	
	(1998/99 and 2005/06)	330
A8-2	The Overall Difference Between Host States' Bargaining Power	
	vis-à-vis IOCs' (1998/99 and 2005/06; Average for Iran, Russia, and	
	Venezuela)	331
Figur	es	
2.1	Exit, Voice and Loyalty in IOC-Host State Bargaining	49
2.2	IOCs' Exit and Voice Potential Matrix	51
2.3	IOC-Specific Resources, and Industry and Country Context as	
	Determinants of IOCs' Bargaining Power	52

2.4	Bargaining Outcome as a Function of IOCs' Relative Bargaining Power	54
2.5	(Prediction) U.S. Government's Support for American IOCs as a Function of Their	34
۷.3	Interests (Prediction)	64
2.6	American IOCs' Bargaining Success as a Function of the U.S. Government	0.5
^ <b>~</b>	Support (Prediction)	65
2.7	IOCs' Bargaining Power Relative to Bargaining Power of China's NOCs (Prediction)	67
2.8	Oil-importing Government's Bargaining Success as a Function of Oil	
	Supply Security Threat Perception (Prediction)	68
2.9	Concessions as a Function of Oil-exporting States' Use of Oil as a	
	Bargaining Tool (Prediction)	72
3.1	Russia's Crude Oil Production and Consumption (1985-2005)	83
3.2	Chinese and Japanese Pipeline Proposals	104
4.1	Venezuela's Crude Oil Production and Consumption (1965-2005)	132
6.1	Iran's Crude Oil Production and Consumption (1966 - 2005)	197
7.1	IOCs' Exit and Voice Potential Matrix in Iran, Russia, and Venezuela	249
7.2	Relative Bargaining Power between Iran, Venezuela and Russia, and IOCs	
	(1998/99 and 2005/06)	251
7.3	Bargaining Outcome in Iran, Russia, and Venezuela as a Function of	
	IOCs' Relative Bargaining Power (1990s and 2000s)	254
7.4	U.S. Government's Support for American IOCs as a Function of Their	
	Interests	260
7.5	American IOCs' Bargaining Success as a Function of the U.S.	
	Government Support	261
7.6	IOCs' Bargaining Power Relative to Bargaining Power of China's NOCs	268
7.7	Oil-importing Government's Bargaining Success as a Function of Oil	
	Supply Security Threat Perception	271
7.8	Concessions as a Function of Oil-exporting States' Use of Oil as a	
	Bargaining Tool	374
8.1	Possible Matrix of Host Governments' Exit and Voice Potential from	
	Global Economic System	295
A8-1	Relative Bargaining Power between Iran and IOCs (Individual Variables;	
	1998/99 and 2005/06)	331
A8-2	Relative Bargaining Power between Venezuela and IOCs (Individual	
	Variables; 1998/99 and 2005/06)	332
A8-3	Relative Bargaining Power between Russia and IOCs (Individual	
	Variables; 1998/99 and 2005/06)	332