APPENDIX A

3D Seismic Acquisition

Program

Location	: Sultanate of Oman
Survey carried out by	: Western Geophysical
Date	: 1999
Total number of recorded points	: 20592
Number of traces per point	: 1440
Bin size	: 25 mx25 m
Total number of bins	: 491029
Nominal stacking fold	: 60

Data Acquisition Parameters

Energy source		
Type of source	:	Vibroseis
Shot point interval	:	50 meters
Type of vibrator	:	AHV III PLS-362
Number of vibrators	:	4
Number of sweeps per vibrated point	:	2
Vibration rows	:	Zig-Zag
Sweep		
- Frequency	:	8-80 Hz
- Type	:	Non-linear
- Sweep length	:	8 s
Receiver spread		
Number of groups per geophones spread	:	1440
Number of geophone lines per strip	:	8
Geophone line spacing	:	300 m
Receiver line roll	:	2
Geophone type	:	SENSOR SM-4 10 Hz
Group interval	:	50 m
Instruments		
Record length	:	5 s
Sample interval	:	2 ms
Type	:	SN 388
Tape format	:	SEG-D IEEE 8058
Filters	:	
Low cut		None
High cut		200 Hz, Min-phase, 3.0 dB, 370 dB/oct
Notch filter		None
Polarity		SEG
Line identification (acquisition grid)		
Receiver lines numbered as	:	1000 to 1396
Stations numbered as	:	5000 to 5310
Shot lines numbered as	:	4999 to 5311
Shot point numbered as	:	1001 to 1396

Datum

Geodetic datum	:	Fahud
Spheroid	:	Clarke 1880
Projection type	:	UTM
Zone	:	40
Longitude of Central Meridian	:	570000.000

APPENDIX B

3D Re-processing Sequence (2013)

Summary of processing sequence

CURRICULUM VITAE

Name	Miss Sunantha Phaungphuak
Date of Birth	12th October, 1984
Place of Birth	Chai Nat Province, Thailand
Education	2007 Bachelor of Science in Geology, Faculty of Science, Chiang Mai University
Scholarship	August 2015 – December 2016 by PTT Exploration and Production Public Company Limited (PTTEP), Thailand for study at International Program of Petroleum Geophysics, Chiang Mai University
Publications	**Phaungphuak, S.,** P. Wongpornchai, and Hariri D., 2016, Identification of Carbonate Reservoir Fluid Type Using Extended Elastic Impedance Inversion in Block A, Oman: Master IS of Petroleum Geophysics, Department of Geological Sciences, Chiang Mai University, Thailand.
	Saifuddin, Farid, **S. Phaungphuak**, S. Matha, W. Ratawessanun, and I. Nuada, 2011, Recent Step-out Exploration in the Greater Sirikit East Area, Sirikit Oil field, Onshore Thailand, a Model for Overlooked Area: IPTC, http://dx.doi.org/10.2523/IPTC-14465-MS.
	Matha, S., F. Saifuddin, A. Panthong, I. Nuada, **S. Phaungphuak**, W. Ratawessanun, and T. Euasurmpong, 2011, Stratigraphic Traps in Distal Lacustrine Delta, a Case History from Greater Sirikit East Field, Phitsanulok Basin, Central Plain, Thailand: IPTC, http://dx.doi.org/10.2523/IPTC-14491-MS.

Experience Geophysicist (2007) in PTT Exploration and Production Public Company Limited (PTTEP).