

INAMETA

MANAJEMEN PENGELOLAAN DATA EKSPLORASI &
PRODUKSI MIGAS

Pengelolaan dan Pemanfaatan Data Migas

- Ketersediaan Data berkualitas adalah salah satu faktor penentu keberhasilan kegiatan eksplorasi dan produksi migas
- Populasi Data migas yang meningkat secara eksponensial
- Data diperoleh dengan biaya mahal dan digunakan secara berulang-ulang
- Bersifat strategis
- Mengikuti perkembangan teknologi
- Data dalam beragam format dan media
- Data adalah aset Negara



- Perlu dikelola dan dilestarikan agar mempunyai nilai tambah
- Perlu suatu sistem manajemen pengelolaan Data untuk menjalankan tujuan tersebut
- Perlu adanya suatu aplikasi yang dapat memudahkan implementasi sistem serta menyediakan informasi keberadaan Data secara lengkap

Karakteristik Data Hasil Kegiatan Eksplorasi & Produksi

◆ **Beragam-macam format**

- *SEG A, SEG D, SEG B, SEGP, SEG Y, RODE dan proprietary format (seismik)*
- *LAS, LIS, DLIS, BIT, PTF (well log curve data)*
- *UKOOA, ASCII, NAVP1 (data koordinat)*
- *TIFF, PDF, CGM, CGM Plus, BMP (file image)*
- *Microsoft Word, Wordstar, Ms.Excel, Lotus, EBCDIC, dll.*

◆ **Berjumlah sangat banyak**

◆ **Bervariasi kondisi dan kualitas**

Karakteristik Data Hasil Kegiatan Eksplorasi & Produksi

◆ Bervariasi media dan bentuk fisik

- ⊕ *Media Magnetik*
 - *round tape 7 track, 9 track, 21 track*
 - *Cartridge 3480, 3490, 3590, DLT, VHS*
 - *Diskette*
 - *8 mm tape*
- ⊕ *CD*
- ⊕ *Kertas*
 - *lembaran (A4, A3, A2, A0, B4, dll.)*
 - *continuous*
- ⊕ *Film, translucent*
- ⊕ *Sephia, kalkir*
- ⊕ *Batuan*
- ⊕ *Fluida*

Manfaat yang Didapat



- Mempercepat pengguna Data dalam mencari, mengakses, dan memanfaatkan Data
- Memudahkan pengguna sistem untuk melakukan pemantauan dan pelaporan terhadap hasil kegiatan eksplorasi dan produksi
- Menjaga keamanan & kelestarian Data
- Terciptanya pengelolaan Data yang terintegrasi dan terpusat
- Meningkatkan iklim investasi di sektor migas dengan ketersediaan data & informasi yang lengkap, cepat dan akurat

INAMETA



Tata Kelola Data migas yang memenuhi kriteria :

- Aplikasi berbasis Sistem Informasi Geografis (SIG) yang dirancang dengan mengadopsi Model *Petrotechnical Open Software Corporation* (POSC)
- Data mencakup Data hasil kegiatan Survei Umum, Eksplorasi, dan Eksploitasi migas di wilayah Indonesia yang bersifat Terbuka
- *Integrated* Data migas secara nasional

Basin Information

Basin		
Basin	ASEM-ASEM	
Basin Type	DRILLED NO DISCOVERIES	
Country	INDONESIA	
Potential Resource		
Hypothesis	Speculative	
156.02 MMBO	213.2 MMBO	
Basin Size		
Onshore	Offshore	Total
17,598	11,732	29,330 km2
Past Plate Move.	CONVERGENT	
Primary Struc. Move.	SAGGING	
Geological Setting		
The Asem-asem Basin is a typical Foreland E		
The main reservoir rocks in the area are the		
Other secondary reservoirs are:		
- the fracture basement rocks, producing in t		
- the Beral carbonates with occasional build		
- the Warukin sands. They produce oil in the		
Main sources assumed to be the Tanjung I		
Petroleum exploration started in the area befi		

Field Information

Field				
Field	ATTAKA		Discovery Well	ATTAKA 1A
Location	EAST KALIMANTAN		Well Completion Year	1970
Area	ATTAKA UNIT		No. of Well	140
Contractor	UNOCAL INDONESIA LTD.		No. of Producing Well	135
Operator	UNOCAL INDONESIA LTD.		Recovery Factor (Percent)	30.2
Status	PRODUCING OIL & GAS			
API	32-42	* API	CO2 Content	
Gas to Oil Ratio	330-2.400	SCF/S	H2S Content	

Production	Hydrocarbon	Reservoir	Original In Place	Remaining Recoverable
Initial Level of Production				
Oil	6956	BOPD		
Gas	174500	MMSCFD		
Level of Peak Production				
Oil	116950	BOPD		
Gas	188631	MMSCFD		
Current Production Rate				
Oil	25734	BOPD		
Gas	6,404	MMSCFD		
First Year of Production				
Oil		1972		
Gas		1980		
Year of Peak Production				
Oil		1977		
Gas		1998		
Current Production Date				
Oil		03/01/1999		
Gas		04/30/1999		

Working Area Information

Working Area	
Working Area	ATTAKA
Basin	KUTAI
Operator	UNOCAL INDONESIA LTD.
Contractor	INDONESIA PETROLEUM EXPLORA
Country	INDONESIA
Contract Type	PSC-EXTENSION
Status	PRODUCTION AND ACTIVE
Government Appr.	B-69/PRES/2/1991 19 FEB 1991
Contract Date	03/28/1991
Activated Date	03/31/1997
Expired Date	12/31/2017
Terminated Date	
Present Acreage	114.73 km2
Original Acreage	114.73 km2

Remark	Bonus	Commitment	Participant	Relinquishment	Activity
<p>ORIGINAL CONTRACT SIGNED ON APRIL 06, 1970 BY JAPAN PETROLEUM EXPLORATION CO. LTD AND INPEX.</p> <p>PSC EXTENSION SIGNED ON MARCH 28, 1991 BY INDONESIA PETROLEUM LTD. CONTRACT EXTENSION 20 YEARS AS FROM THE EFFECTIVE DATE, MARCH 31, 1997.</p> <p>AMENDMENT CONTRACT CHANGED THE EXPIRATION DATE TO DECEMBER 31, 2017 (REFERENCE FROM LETTER OF MENTABEN RI NO.2916/0751/M.DJM/1996, JULY 22, 1996)</p> <p>INTEREST: UNOCAL 50%, INPEX 50% (REFERENCE FROM SCOUT CHECK JAN 2002)</p>					

Seismic Information

Seismic Summary

Line	73-34	Survey Contractor	GEOPHYSICAL SERVICE INTE
Field	MAKASSAR STRAIT	Survey Date	06/16/1973
Working Area	MAKASSAR STRAIT OFFSHORE AREA	Survey Name	
Contractor	MOBIL OIL INDONESIA INC.	Survey Type	2D MARINE
Country	INDONESIA	Survey Length	0

Shotpoint Interval	109.33 ft	Group Interval	218.67 ft	Record Length	7 s
Shotline Interval		Groupline Interval		Sample Interval	2 ms

Energy Source	AIR GUN	Crew Number	942	Navigation	
Fold Coverage	24	First Sp.	0	Primary	
Channel No.	48	Last Sp.	1,740	Secondary	

Seismic Display | Seismic Tape | Seismic Supp. Document

Barcode	Line Name Alias	Process Contractor	Process Type
00083230	73-34	DIGICON BV.	DIGISTACK
00083231	73-34	DIGICON BV.	DIGISTACK
00083232	73-34	DIGICON BV.	DIGISTACK

No. of Seismic Display: -1 record

Well Information

Well Summary					
Well	AGAR-1		Well Position	OFFSHORE	
Contractor	UNOCAL INDONESIA LTD.		Working Area	EAST KALIMANTAN	
Well Type	WILDCAT		Field	AGAR	
Well Status	PLUGGED AND ABANDONED		Country	INDONESIA	
Latitude	Longitude	Seismic Line Ref.	At Shotpoint	Depth	
0° 8' 28.646	117° 34' 20.			Water	147 ft
Btm. Latitude	Btm. Longitude	Rig Name	J W MCLEAN	Prognosed	5,000 ft
° ' N	° ' E	Drilling Contractor	READING & BATE	Actual	12,000 ft
Other Coord. X	563671 m	Rig Type	JACK-UP	True Vertical	
Other Coord. Y	15616 m	Rig Released Date	02/15/1973	Total Logger	11,993 ft
Reference Point	UTM COORD.	Actual Cost		Total	12,000 ft
Spud Date	12/12/1972	Completion Date	02/08/1973	Ground Level	
				RKB Elevation	69 ft
Remark	Primary Objective	Secondary Objective	Test Result	Casing	Well Report
<p>HYDROCARBON SHOWS IN DRILL CUTTINGS AND SIDEWALL CORES WERE ENCOUNTERED IN AGAR-1 BETWEEN 1900' AND 11,600'. DETAILED ANALYSES OF WELL LOGS AND SIDEWALL CORES INDICATE HOWEVER THAT ALL POTENTIAL ZONES OF INTEREST HAVE WATER SATURATION GREATER THAN 65%.</p>					

