

Lampiran 7

Keputusan Direktur Jenderal Minyak dan Gas Bumi
Nomor 108.K/075/DJM/1998 tanggal 27 Oktober
1998

JENIS DATA EKSPLORASI DAN EKSPLOITASI
(TYPE OF EXPLORATION AND EXPLOITATION DATA)

AKTIFITAS <i>(ACTIVITIES)</i>	DATA UMUM <i>(GENERAL DATA)</i>	DATA DASAR <i>(BASIC DATA)</i>	DATA OLAHAN <i>(PROCESSED DATA)</i>	DATA INTERPRETASI <i>(INTERPRETIVE DATA)</i>
KARTOGRAFI GEOGRAFI <i>(CARTOGRAPHY GEOGRAPHY)</i>	Informasi Umum <i>(General Information)</i> Peta Situasi Fasilitas Produksi <i>(Production Facilities Maps)</i> Peta Lokasi Lapangan Migas <i>(Oil and Gas Field Location Maps)</i> Peta Lokasi Sumur <i>(Well Location Maps)</i> Peta Wilayah Kerja Migas <i>(Oil and Gas Working Area Maps)</i> Peta Situasi Produksi <i>(Production Situation Maps)</i> Data Topografi (triangulasi, base-camp, all) <i>(Topography Data (Base-camp, Triangulation etc.))</i>			
AERIAL FIELD AND GEOPHYSICS	Informasi Umum <i>(General Information)</i> Parameter Lapangan	Data Gravitasi (<i>Gravity Data</i>) Data Magnetik (<i>agnetic Data</i>) Citra Satelit (Remote Sensing)/	Plot / Foto Hasil Olahan Citra <i>(Image Processing Plots/ Photograph)</i>	Hasil evaluasi modelling <i>(Modeling Evaluation)</i> Peta Anomali

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SURVEY <i>(AERIAL FIELD AND GEOPHYSICAL SURVEY)</i>	<i>(Reservoir Formation Hydrocarbon Result)</i>	<i>Satelite Image (Remote Sensing)</i> Data Geoelektrik (<i>Geoelectric Data</i>) Data SLAR (<i>SLAR Data</i>) Data SAR (<i>SAR Data</i>) Data ALF (<i>ALF Data</i>) Foto Udara (<i>Aerial Photograph</i>) Data Aerial Field Survey lainnya (<i>Another Aerial Field Survey</i>) Data Survei Geofisika lainnya (<i>Another Geophysical Survey</i>)		<i>(Anomaly Maps)</i> Peta Morfologi (<i>Morphology Maps</i>) Interpretasi SLAR (<i>SLAR Interpretation</i>) Interpretasi SAR (<i>SAR Interpretation</i>) Interpretasi ALF (<i>ALF Interpretation</i>)
GEOLOGI <i>(GEOLOGICAL)</i>	Informasi Umum Peta lokasi traverse Peta lokasi pengambilan perconto (<i>General Information Traverse Location Maps Sample Location Maps</i>)	Perconto batuan (<i>Rock Samples</i>) Data lapangan geologi (<i>Surface Geological Field Data</i>) Perconto rembesan hidrokarbon (<i>Hydrocarbon Seepage Sample</i>) Sayatan tipis (<i>Thin Sections</i>)	Analisa Petrografi Analisa Geokimia Analisa Mikropalaentologi Analisa struktur Permukaan (seismik refraksi, resistivity) Analisa rembesan hidrokarbon (<i>Petrographic Analysis Geochemical Analysis Micropalaentological Surface Structure Analysis (Refraction Seismic, Resistivity)</i>)	Peta Geologi Permukaan Laporan interpretasi Peta Geologi Tematis Geological Cross-sections Petroleum System Jalur migrasi hidrokarbon Basin Maturity Modelling (<i>Surface Geological Maps Interpretation Reports Thematic Geological Maps Geological Cross-Sections</i>)

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			<i>Resistivity)</i> <i>Hydrocarbon Seepage</i> <i>Analysis)</i>	<i>Petroleum System</i> <i>Hydrocarbon Migration Path</i> <i>Basin Maturity Modeling)</i>
SEISMIK <i>(SEISMIC)</i>	Informasi Umum Basemap Datum reference (Informasi Geodetik) Parameter lapangan (metoda, sumber ledakan, geometri) Observer Report Stacking Chart <i>(General Information</i> <i>Basemaps</i> <i>Datum Reference</i> <i>(Geodetic Information)</i> <i>Field Parameter (Methods,</i> <i>Energy Source, Geometry)</i> <i>Observer Report</i> <i>Stacking Chart)</i>	Hasil rekaman (shotpoints) Data Penyelidikan WZ Plot kontrol kualitas lapangan Analisa test atribut - instrumen Analisa desain akuisisi data seismik Data Navigasi <i>(Seismic Field Data</i> <i>Weathering Zone Data</i> <i>Field Quality Control Plot</i> <i>Instrument Test</i> <i>Acquisition Field Design</i> <i>Navigation Data)</i>	Brute-Stack Pre-Stack Stack Post-Stack Migration Kecepatan (distribusi, isovelocity, kontur, model) Analisa AVO Seismic Inversion Laporan Pemrosesan Seismik <i>(Brute Stack, Pre Stack, Stack</i> <i>Post Stack</i> <i>Migration</i> <i>Velocity Analysis</i> <i>AVO Analysis</i> <i>Seismic Inversion</i> <i>Seismic Processing Report)</i>	Earth Modelling Geophysical Cross Section Interpretasi Data Seismik Peta struktur bawah tanah (time / depth contour) Analisa rekonstruksi model geologi Montage eksplorasi Laporan interpretasi <i>(Earth Modeling</i> <i>Geophysical Cross Section</i> <i>Seismic Interpretive Data</i> <i>Subsurface Structural Maps</i> <i>(Time/Depth Contour Maps)</i> <i>Geological Model Analysis</i> <i>Exploration Montage</i> <i>Interpretation Reports)</i>
SUMUR	Well Info	Log (wirelines, down hole	Analisa Petrofisika	Interpreted Log

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<i>(WELL)</i>	Sub-bottom profile Side Scan SONAR Data Soil Sampling <i>(Well Info Sub-bottom Profile Side Scan SONAR Soil Sampling Data)</i>	sensors, Lithology, dll.) Perconto (core, fluida, gas, serpih) Log lumpur (Mud / DHP Logs) VSP Tomografi Data Test Sumur Check Shot SWAB Test Initial Completion Perforasi Workover/ Perbaikan sumur Stimulasi (perekahan, pengasaman Semen, Casing Sayatan Tipis <i>(Log (Wirelines, Down Hole Sensor, Lithology, etc.) Sample (Core, Fluid, Gas, Cutting, etc.) Mud Log (Mud/DHP Logs) VSP</i>	Analisa Petrografi Analisa Geokimia Analisa Mikropalaentologi Penampang VSP Penampang Tomografi Analisa Stratigrafi <i>(Petrophysical Analysis Petrographical Analysis Geochemical Analysis Micropaleontological Analysis VSP Section Tomography Profile) Stratigraphic Analysis</i>	Final / Completion Logs Laporan Akhir (Well Completion Report) Laporan Evaluasi Interwell Cross Corelation <i>(Interpreted Log Final / Completion Logs Well Completion Report Evaluation Report Interwell Cross Corelation)</i>

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		<i>Tomography Well Test Data Check Shot SWAB Test Initial Completion Perforation Workover Data Stimulation (Cracking, Acid, etc.) Cementing, Casing Thin Section)</i>		
PRODUKSI <i>(PRODUCTION)</i>	Informasi Umum Fasilitas produksi meliputi: - Pipeline, Separator - Compressor - Tangki Penimbunan - Terminal Lifting Status Sumur Produksi Pertamina/ Kontraktor <i>(General Information Production Facilities - Pipeline, Separator,</i>	Data Produksi meliputi: - Qo, Qg, Qw - GOR - BS & W - Ps, Pwf, Pwh Data EOR Data Tes Produksi Gradien Temperatur Gradien Tekanan <i>(Production Data: - Qo, Qg, Qw</i>	Analisa penurunan produksi Flow and lift analysis Gas Balance Pemanfaatan produksi minyak Analisa Tekanan <i>(Production Decay Analysis Flow and Lift Analysis Gas Balance Oil Utilization Pressure Analysis)</i>	Perkiraan Produksi <i>(Production Estimation)</i>

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	<i>Compressor - Accumulation Tank - Lifting Terminal Well Status Pertamina / Contractor Production)</i>	<i>- GOR - BS & W - Ps, Pwf, Pwh EOR Data Production Test Data Pressure Gradient Temperature Gradient)</i>		
RESERVOIR <i>(RESERVOIR)</i>	Informasi Umum Formasi reservoir Hidrokarbon yang dihasilkan <i>(General Information Reservoir Formation Hydrocarbon Result)</i>	Workover Performance PVT reservoir Reservoir properties (sw,vshale,dll) Mineralogy reservoir <i>(Workover Performance PVT Reservoir Reservoir Properties (SW, Vshale, etc.) Reservoir Mineralogy)</i>	Kualifikasi batuan, sumber sebaran, jenis hidrokarbon Analisa Karakteristik Reservoir Acreage Calculation Analisa data seismic 4D (dikaitkan perkembangan kondisi reservoir) <i>(Rock Qualification, Source Rock, Hydrocarbon Type Reservoir Characteristic Analysis Acreage Calculation Seismic 4D Data Analysis)</i>	Simulasi Reservoir Perkiraan Cadangan Perkiraan Produksi <i>(Reservoir Simulation Reserve Estimation Production Estimation)</i>

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			<i>(related to reservoir condition))</i>	
STUDI <i>(STUDY)</i>	Informasi Umum <i>(General Information)</i>			Laporan Studi <i>(Study Reports)</i>