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2. **MISSION.** See Base PLAN.

3. **EXECUTION.** The Index is enclosed at Appendix 1. The Glossary of energy industry/Kellogg Brown & Root acronyms and abbreviations terms is enclosed at Appendix 2. For military acronyms and Brown & Root Services acronyms commonly used on Department of Defense contracts, see ANNEX N, Appendix 3.

4. **SERVICE SUPPORT.** See ANNEX I.

5. **COMMAND AND SIGNAL.** See Base PLAN, ANNEX A, and ANNEX H.

ACKNOWLEDGE:

(b)(6)
BRS PGM, LOGCAP

OFFICIAL:
(b)(6) BRS D/PGM

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APPENDIX 2 (GLOSSARY) TO ANNEX X (INDEX & GLOSSARY) to LOGCAP CONTINGENCY SUPPORT PLAN

Glossary of Abbreviations and Acronyms	
ACRONYM	*DEFINITION*
ACAT	Assessment Category
ACE	Automatic Controlled Equipment
ACLS	Automated Craft Ledger System
ACT	Actual Completion Time
ACWP	Actual Cost of Work Performed
AD	Area Differential Allowance
ADC	Automatic Density Control / ADC
ADE	Application Design Engineer
ADG	Automated Drawing Generation
ADT	Automatic Design Tool
AEC	Application Engineering Course
AED	Associated Equipment Distributes
AFC	Average Fixed Costs
AFC	Approved For Construction
AFD	Approved For Design
AFE	Authority For Expenditure
AIS	Absolute Isolation System
ALARP	As Low As Reasonably Possible
ALERT	Area Local Expert Resource Team
ANSI	American National Standards Institute
AO	Audit Observation
API	American Petroleum Institute
AQL	Acceptance Quality Level
ASL	Approved Suppliers List
ASME	American Society of Mechanical Engineers / American Society for Measurements & Standards
ASP	Active Server Page
AT	Area Trainer
BBL	Barrel
BOM	Bill Of Material
BOP	Blow Out Prevention
BPA	Blanket Purchase Agreement
BPD	Barrels Per Day
BPH	Barrels Per Hour
BRS	Brown & Root Services
BS&W	Basic Sediment & Water
CAD	Computer Aided Design
CAE	Computer Aided Engineering
CAF	Change Approval Form
CAM	Computer Aided Manufacturing
CARS	Corrective Action Reports
CBM	Condition Based Monitoring

Glossary of Abbreviations and Acronyms	
ACRONYM	*DEFINITION*
CBT	Computer-Based Training
CCN	Client Change Notice
CCR	Common Control Room
CCTV	Closed Circuit Television
CEM	Continuous Emission Monitoring
CEO	Chief Executive Officer
CHARM	Chemical Hazardous Assessment & Risk Management
CITHP	Closed In Tubing Head Pressure (i.e., well head pressure)
CIV	Chemical Injection Valve
CMMS	Computerized Maintenance Management System
CMS	Completions Management System
CMT	Construction Management Team
CMTR	Certified Material Test Report
COA	Course of Action
COE	Common Office/Operating Environment
COLA	Cost Of Living Allowance
Const-Mgmt	Construction Management
COO	Chief Operating Officer
CPF	Cost Per Foot
CPI	Correction, Prevention, & Improvement
CPM	Critical Path Method
CPP	Completion Products , Production Services, & Production Equipment
CRM	Customer Relationship Management
CSE	Control Systems Engineering
CSF	Critical Success Factor
CSP	Certified Safety Professional
CTE	Chief Technology Engineer
CV / ICV	Check Valve / Injection Check Valve
CVA	Cash Value Added
CYD	Cubic Yard
DB2	Database 2
DCS	Distributed Control System
DHP	Down Hole Pump
DHT	Down Hole Tool
DHV	Down Hole Video
DIMS	Drilling Information Management System
DM	Decision Matrix
DME	Design Maintenance Engineer – engineers on special assignment from
DMS	Drilling Management System
DP/DT	Design Pressure/Design Temperature
DPM	Deputy Project Manager
DPM-C	Deputy Project Manager - Construction
DPM-E	Deputy Project Manager - Engineering
DPM-L	Deputy Project Manager - Logistics
DPM-O	Deputy Project Manager - Operations

Glossary of Abbreviations and Acronyms	
ACRONYM	*DEFINITION*
DST	Drill Stem Test
DT	Drilling Technician
DWD	Directional-While-Drilling
E&C	Engineering & Construction
E&O	Excess & Obsolete Stock
EAR	Export Administration Regulations
ECN	Engineering Change Notice
ECR	Engineering Change Request
EDD	Engineering Design & Development
EDM	Engineering Data Manager
EMI	Electrical Micro Imaging (EMI™)
EMS	Environmental Management System
EPC	Engineering, Procurement, & Construction
EPCM	Engineering, Procurement, & Construction Management
EPMS	Engineering Project Management System
EPS	Early Production System
ERMS	Equipment Repair & Maintenance Services
ERT	Emergency Response Team
ERW	Engineering Requisition Worksheet
ESDI	Electrical System Design Interface
EVMS	Earned Value Management System
F&A	Finance & Administration
FCL	Flowline Connector Lock
FCU	Flowline Connector Unlock
FEL	Front End Loading
FEMCA	Failure Modes & Effects Criticality Analysis
FMEA	Failure Mode & Effect Analysis
FPSO	Floating Production, Storage, & Offloading
FQT	Final Quality Test
FTZ	Foreign Trade Zone
FWV	Flow Wing Valve
GAAP	Generally Accepted Accounting Principles
GBL	Government Bill Of Lading
GLM	Gas Lift Mandrel
GLR	Gas-Liquid Ratio
GLV	Gas Lift Valve
GLVA	Gas Lift Valve Assembly
GMPP	General Management Processes & Procedures
GOC	Gas-Oil Contact
GOR	Gas-Oil Ratio
GOSP	Gas Oil Separation Plant
GPH	Gallons Per Hour
GPM	Gallons Per Minute
GVA	Gate Valve Assembly
GWC	Gas-Water Contact

Glossary of Abbreviations and Acronyms	
ACRONYM	*DEFINITION*
H_2S	Hydrogen Sulfide
HACCP	Hazard Analysis Critical Control Points
HalLink™	Hallibuton Real Time Operations Satellite Communications Technology
HALNET	Hallibuton Network (voice and data)
Hal-Stat	Hallibuton Global Data Transmission System.
HAZID	Hazard Identification
HAZMAT	Hazardous Materials
HAZOP	Hazard and Operability Study
HAZWOPER	Hazardous Waste Operations & Emergency Services
HCN	Host Country National
HEI	Hallibuton Energy Institute
HES	Hallibuton Energy Services
HiCAD™	High Precision Computer Aided Design Tool
HIP	High Isostatic Pressing
HLM	Hydraulic Power Unit
HMS	Hallibuton Management System
HO	Home Office
HOC	Houston Operations Center
HP	High Pressure
HPHT	High Pressure High Temperature
HPU	Hydraulic Power Unit
HQ	Hazard Quotient
HSE	Health, Safety, & Environment
HTDM	Hallibuton Technical Data Model
HTLD	High Temperature Low Density
HTML	Hyper-Text Markup Language
HTTP	Hyper-Text Transfer Protocol
HUD	Hold Up Depth
HVAC	Heating, Venting, & Air Conditioning
IAW	In Accordance With
IBC	International Bulk Container
ICA	Issued for Client Approval
ICSS	Integrated Control & Safety Systems
ID	Internal Diameter of a vessel or tank
IDR	Issued for Design Review
IDSL	IDSN Digital Subscriber Line
IDSN	Indirect Defense Switched Network
I&E	Inspection & Evaluation
IEEE	Institute of Electrical & Electronics Engineers
IFC	Issue For Construction
IFCDS	Insulation, Fireproofing, & Coatings Data Sheets
IFD	Issued for Design
IFP	Issued for Purchase
IFQ	Issued for Quotation
IFR	Issue For Review

Glossary of Abbreviations and Acronyms	
ACRONYM	*DEFINITION*
IFT	Injection Flowline Test
IMOI	Installation Maintenance & Operating Instructions
IMS	Information Management System
IOPMC	Index of Piping Material Classes
IP	Intellectual Property
IPC	Improvement, Prevention, & Correction Process
IPD	Integrated Product Development
IPL	Issued for Plant Layout
IPMS	Integrated Project Management System
IPS	International Pipe Standard
IPSA	Iraq Pipeline Saudi Arabia
IPV	Insert Poppet Valve
IS	Information Systems
ISO	Isometric Piping Drawings / International Standards Organization
IT	Information Technology
ITP	Individual Training Plans
IV&V	Independent Verification & Validation
JB	Junction Box
JHA	Job Hazard Analysis
JSA	Job Safety Analysis
KBR	Kellogg Brown & Root
KPI	Key Performance Indicator
L&P	Logging & Perforating
LAN	Local Area Network
LAT	Lowest Astronomical Tide
LGR	Liquid Gas Ratio
LLI	Long Lead Item
LNG	Liquid Natural Gas
LOT	Leak-off Test
LP	Line Pipe/Low Pressure
LRQA	Lloyds Register of Quality Assurance - ISO 9001 Accreditor
LRS	Lateral Reentry System
LTA	Lost Time Accidents
LTBS	Lateral Tie Back System
LTI	Lost Time Incident / Injury
LTO	Low Toxic Oil
LWD	Logging-While-Drilling
M&TE	Measurement & Test Equipment
M&O	Management & Operations
M/LWD	Measurement/Logging-While-Drilling
MAOP	Maximum Allowable Operating Pressure
M BPD	Thousand Barrels Per Day
MCC	Motor Control Center
MD	Measured Depth
MDS	Mechanical Design Specialty Items

Glossary of Abbreviations and Acronyms	
ACRONYM	*DEFINITION*
MEC	Monterrey Engineering Center
MFD	Mechanical Flow Diagram
MGV	Master Gate Valve
MIS	Management of Information Systems
MLWD	Measurement While Drilling and Logging While Drilling
MM BPD	Million Barrels Per Day
MM BTU/HR	Million British Thermal Units Per Hour
MM SCFD	Million Standard Cubic Feet Per Day
MO	Method Of Operation
MOC	Management Of Change / Material of Control
MOC	Materials of Construction
MODU	Mobile Offshore Drilling Unit
MOU	Memorandum Of Understanding
MOV	Motor Operated Valves
MP	Medium Pressure
MP2	Maintenance Management System
MRB	Material Review Board
MRIL	Magnetic Resonance Imaging Log
MRWD	Magnetic Resonance-While-Drilling
MSC	Maximum Sustainable Capacity
MSCS	Multi String Completion System
MSDS	Material Safety Data Sheet
MSL	Mean Sea Level
MSWP	Maximum Safe Working Pressure
MT	Metric Tonne (international measure representing 1000 kilograms of oil)
MTBF	Mean Time Between Failure
MTO	Material Takeoffs
MWD	Measurement-While-Drilling
NEC	National Electric Code
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
NGL	Natural Gas Liquids
NGO	Non Governmental Organization
NOC	Notice of Commitment
NOV	Notice of Violation
NPT	National Pipe Thread
O&M	Operations & Maintenance
OBS	Organizational Breakdown Structure
OEDP	Open Ended Drill Pipe
OEG	Oilfield Equipment Group
OEM	Original Equipment Manufacturer
OFP	Ocean Floor Package
OGITF	Oil & Gas Industry Task Force
OH/IH	Occupational Health & Industrial Hygiene
OJT	On the Job Training

Glossary of Abbreviations and Acronyms	
ACRONYM	*DEFINITION*
OOC	Oil On Cuttings
OPITO	Offshore Petroleum Industry Training Organization
OSHA	Occupational Safety & Health Administration
P&ID	Piping & Instrumentation Diagrams
P3	Primavera
PA	Plant Address Systems
PACE-6	Pressure-Actuated Casing Exit
PAIS	Product Availability Information System
PAS	Process Automation System
PBD	Plugged Back Depth
PBTD	Plugged Back Total Depth
PCI	Pumping Control Interface
PCM™	Principle Centered Maintenance
PCMS	Project Cost Management System / Plant Control & Monitoring System
PCMT	Project Change Management Team
PCOA	Project Code of Accounts
PDM	Product Data Management
PDN	Project Deviation Notice
PDS	Piping Design System
PE	Project Engineer
PEP	Project Execution Plan
PES	Petroleum Engineering Services
PFD	Process Flow Diagram
PFT	Production Flowline Test
PFV	Production Flowline Valve
PHA	Process Hazard & Operability Study Analysis
PLEM	Pipeline End Manifold
PLET	Pipeline End Termination
PLT	Production Logging Tool
PM	Preventive Maintenance
PMS	Project Master Schedule
PO	Purchase Order
PPE	Personnel Protective Equipment
PPHA	Preliminary Process Hazard & Operability Study Analysis
PPL	Pipeline
PPR	People, Performance, Results
PRD	Pressure, Rate, Density
PRO-Net	Procurement, Marketing, & Access Network
PS	Pump Station
PSAP	Personnel Security Assurance Program
PSI	Pounds Per Square Inch
PSL	Product Service Line
PSM	Process Safety Management
PSV	Pressure Safety Valve (i.e., relief valve)
PSW	Pumping Services Workstation

Glossary of Abbreviations and Acronyms	
ACRONYM	*DEFINITION*
PT	Pressure Tapping
PTA	Plug to Abandon
PVT	Pressure-Volume-Temperature
PWD	Pressure-While-Drilling
QA	Quality Assurance
QC	Quality Control
QIP	Quality Improvement Program / Process
QIT	Quality Improvement Teams
QMS	Quality Management System
R&D	Research & Development
R&E	Research & Engineering
RAC	Risk Assessment Code
RCFA	Root Cause Failure Analysis
RFI	Request For Information
RFQ	Request For Quotation
RFS	Request for Service
RFSU	Ready For Startup
RMLS	Retrievable Multilateral System
RMS	Records Management System
ROM	Rough Order Of Magnitude
ROP	Rate Of Penetration
ROV	Remote Operated Vehicle
RTD	Resistance Temperature Detector
RTO	Real Time Operations
RTPDS	Real Time Product Development & Sourcing
RTRS™	Real Time Reservoir Solutions
RWCH	Releasable Wireline Cable Head
SAP	System Application Products
SCADA	Supervisory Control & Data Acquisitions
SCM	Supply Chain Management
SDL	Surface Data Logging
SIS	Safety Instrumented System
SLD	Single Line Diagram
SME	Subject matter expert
SOW	Statement Of Work
SPC	Statistical Process Control
SPCC	Spill Prevention Control & Countermeasure
SPM	Single Point Mooring
SSFC	Sub Surface Flow Controls
Stabilizer	Distillation tower to remove hydrogen sulfide and light molecular weight gasses
Stock Tank Barrels	General term for a standard barrel of oil at 60 °F
SV1	Sub-surface Safety Valve (1)
SV1B	Sub-surface Safety Valve (1) Balance
SVP	Statistical Variation Plot

Glossary of Abbreviations and Acronyms	
ACRONYM	*DEFINITION*
SWOT	Strength-Weakness-Opportunity-Threats
T&M	Time & Materials
TCN	Third Country National
TCP/IP	Transmission Control Protocol/Internet Protocol
TEMA	Tubular Exchangers Manufacturers Association
TFA	Total Flow Area
TFM	Total Fluids Management
TIC	Total Installed Cost
TIMS™	Technical Information Management System
TMDE	Testing, Measuring, & Detection Equipment
TMS	Total Maintenance Service
TOFS	Time Out For Safety
TORP	Tertiary Oil Recovery Project
TOSTR	Turnover Systems Tracking Record
TPE	Total Product Evaluation
TQM	Total Quality Management
TSCM	Technical Security Countermeasures
TSTI	Total Safety Task Instruction
TT	Tangent to Tangent (length of vessel in feet)
TTTCP	Tools & Testing and Tubing Conveyed Perforating
TVD	True Vertical Depth
TWCV	Two-Way Check Valve
TWMS	Total Well Management System Standards Roll Out
UAI	Use As Is
UBD	Under-Balanced Drilling
UL	Underwriters Laboratories
UPS	Uninterruptible Power Supply
VECS	Vertical Entry Control System
VXT	VX Test (wellhead connector gasket system)
W&T	Wellheads & Trees
WAMS	Well Annulus Monitoring System
WAN	Wide Area Network
WBS	Work Breakdown Structure
WCA	Wellhead Conversion Assembly
WCL	Wellhead Connector Lock
WCU	Wellhead Connector Unlock
WDT	Well Delivery Team
WEPEP	Well Engineering Proposal & Engineering Plan
WGL	Work Group Leader
WH	Work Hours
WHCST	Wellhead Connector Seal Test
WHV	Wellhead Vent
WI	Water Injector
WINS	Windows Internet Name Service
WIT	Wellhead Isolation Tool

Glossary of Abbreviations and Acronyms	
ACRONYM	*DEFINITION*
WMS	Work Hour Management System
WO	Workover (work in an existing production well to fix a problem)
WOCS	Workover Control System
WPCE	Wellhead Pressure Control Equipment
WPID	Work Process Interface Diagrams
WRIM	Well Related Information Modeling
WSE	Well Site Engineer
XRD	Extended Reach Drilling
YP	Yield Point
ZI	Zonal Isolation

APPENDIX 1 (INDEX) TO ANNEX X (INDEX & GLOSSARY) to LOGCAP CONTINGENCY SUPPORT PLAN

REFERENCES. See ANNEX N, Appendix 4.

TIME ZONE USED THROUGHOUT THE PLAN. Iraq

TASK ORGANIZATION. See ANNEX A.

1. **SITUATION.** See Base PLAN, ANNEX B

2. **MISSION.** See Base PLAN.

3. **EXECUTION.** The Index is attached at Tab A.

4. **SERVICE SUPPORT.** See ANNEX I.

5. **COMMAND AND SIGNAL.**

   a. **Command.** See Base PLAN and ANNEX A

   b. **Signal.** See Base PLAN and ANNEX H.

ACKNOWLEDGE:

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Tab A - Index