

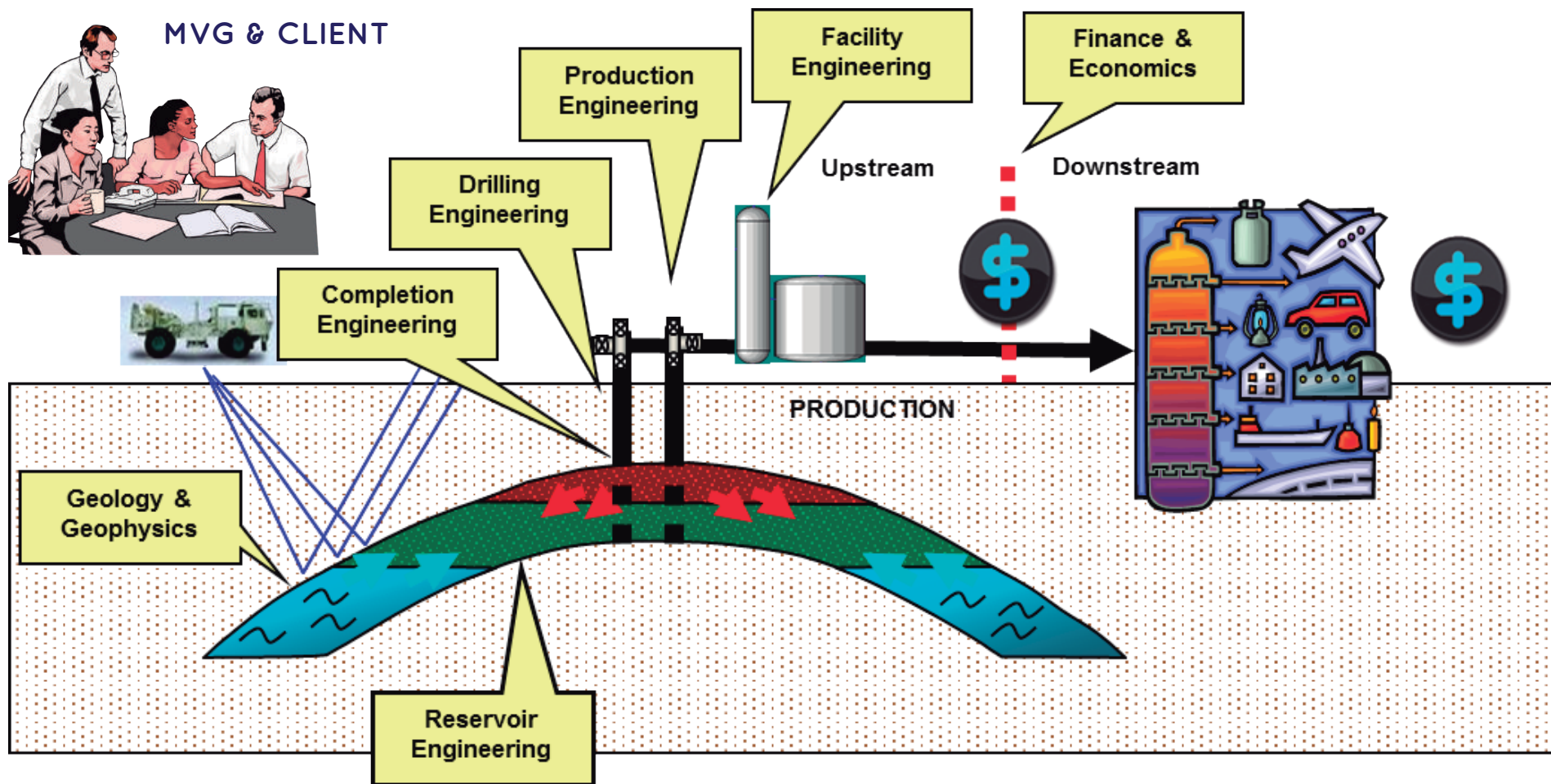
MVG ENERGY
SOLUTIONS

OIL & GAS
CONSULTING



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MVG'S COLLABORATIVE PROCESS ENABLES OUR CLIENTS TO FIND SWEET SPOTS (HIDDEN PROFITS) WITHIN THEIR EXISTING PORTFOLIO





DRILLING	COMPLETION	RESERVOIR & PRODUCTION	FACILITIES	PIPE LINE
<ul style="list-style-type: none"> *Benchmarking Off Set Operators *Vendors Selection *PAD Design *Bits Selection & Evaluation *Directional Drilling - Penetration (Days Vs Deep) *Optimum Hole Size *Mud Design Program & Evaluation *Cuts Treatment & disposal *US Analog Analysis *DWOP Exercise *Establish Operation Meetings *Procurement Tools *After Activities Reviews - (Lessons Learned & Best Practices) *Safety Audit *Tech Limits *Score Card & Boards *Key Performance Indicator - (Leading and Lagging) 	<ul style="list-style-type: none"> *Casing Program Design *Cement Program Evaluation *Play Analogs Analysis *Fluids Program Evaluation *Perforation Program *Coiled Tubing Design *Stimulation Recommendation *Flow Back Monitoring *Well Head Design *CWOP Exercise *Procurement Management *After Action Review - (Lesson Learned & Best Practices) *Safety Audit *Score Card *Key Performance Indicator - (Leading & Lagging) 	<ul style="list-style-type: none"> *Type Curve Generation *US Analog Analysis *Pressure Transient Analysis *Well Testing & Design *Coiled Tubing Design *Artificial Lift Design *Tubing Program *Field development Planning *Well Treatment Program *Re-stimulation Design *Re-perforating Design *Well Lifecycle Plan *EOR Design & Evaluation - (Water, CO2 & N2) *Safety Audit *Score Card *Key Performance Indicator *Full Field Optimization - (Maximum Profit & Life Cycle Planning) *Oysters, Pearls, White Elephants, Dogs Analysis *Field Studies *Plugging & Abandonment Design & Reclamation *Due Diligence *Non-operating Management *Well Review / Field Review *Remedial and Work Overs Procedures *Budget Planning & Budgeting & Economic Analysis 	<ul style="list-style-type: none"> *PAD Design *Surface Facilities Design *Procurement <p>Short Term Test Design</p> <ul style="list-style-type: none"> *Power Design *Fluids Treatment Design *Facility Design <p>Long Term Design</p> <ul style="list-style-type: none"> *Power Design *Fluids Treatment Design *Facility Design *Cathodic Protection *Gas Treatment Design *VRU & VTECH Design *NGL's Extraction *CO2 Removal *Salt Water Disposal System <p>Facilities Design</p> <ul style="list-style-type: none"> *Facility Downsizing Evaluation *Safety Audit *Score Card *Key Performance Indicator *Environmental Audits, Cleanup, & Remediation 	<ul style="list-style-type: none"> *Pipeline Design *Pump Design *Compression Design *Gas Treatment Design *Gas Metering & LACT Unit Design *Pigging Design *Cathodic Protection *Procurement Management *Safety Audit *Score Card *Key Performance Indicator

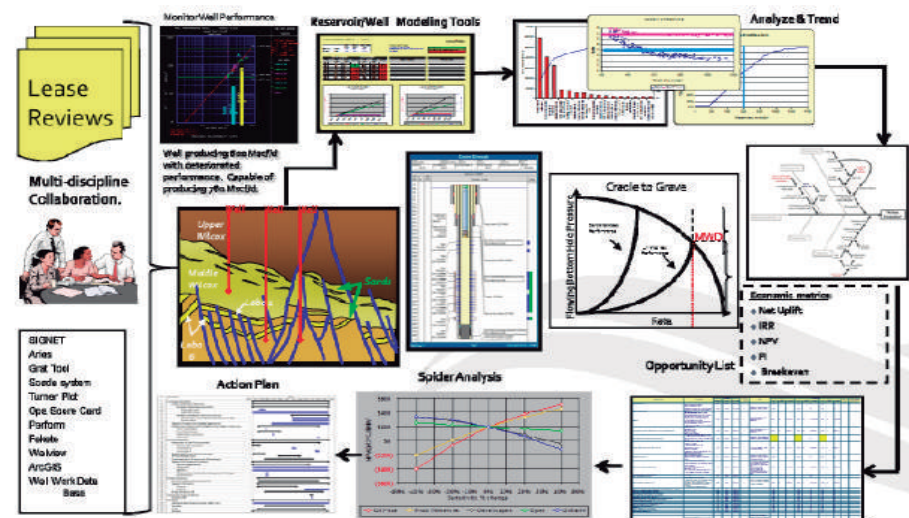
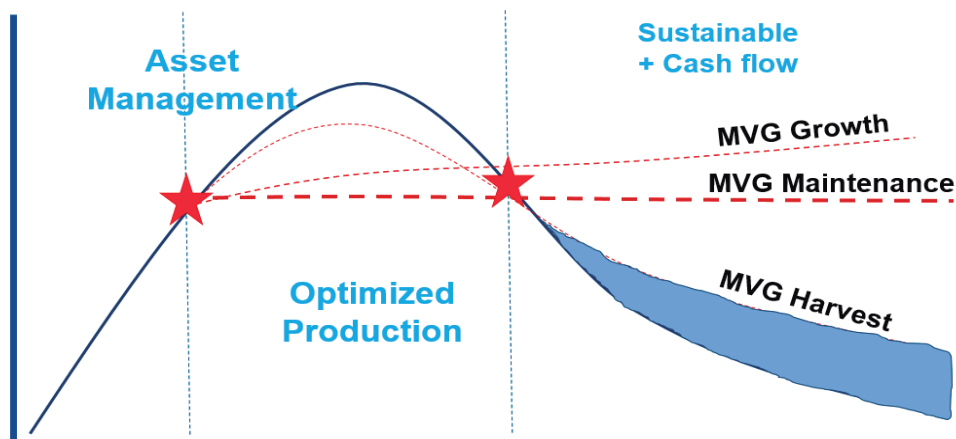
SWEET SPOT IDENTIFICATION, PROJECTS VALIDATION AND EVALUATION, DEFINE PROFILES, AND FIT FOR PURPOSE SCORE CARD



MVG SWEET SPOT

Criteria	Exploration		Development		Harvest
	Resource Discovery	Appraisal	Emerging	Development	
Return					
Risk					
Remark	<ul style="list-style-type: none">▪ Lowest Capital▪ Cheap Entry Cost (Land Acquisition)	<ul style="list-style-type: none">▪ Moderate Capital▪ Large Resource	<ul style="list-style-type: none">▪ High Capital▪ Negative Cash Flow▪ Larger Resource	<ul style="list-style-type: none">▪ High Capital▪ High OCF▪ High Proven Reserve	<ul style="list-style-type: none">▪ Low Capital▪ Only Market Risk
Key Capability	<ul style="list-style-type: none">▪ G&G	<ul style="list-style-type: none">▪ G&G▪ Reserve Engr.	<ul style="list-style-type: none">▪ G&G▪ Reserve Engr.▪ D&C▪ Facility	<ul style="list-style-type: none">▪ Field Development Plan▪ Life Cycle Management	<ul style="list-style-type: none">▪ Asset Management▪ Artificial Lift▪ Optimization

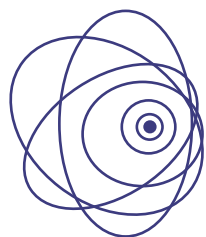
“Turning Development Phase to Sustainable Positive Cashflow”



KPI	Weight	Target	Self Evaluation
Maintain Top Quartile Health, Safety and Environmental Performance	(10%)	<ul style="list-style-type: none"> ✓ Maintain top quartile Safety Culture ✓ Near Miss - 11 □ TRIR < 0.30 □ LTI - 0.0 □ Vehicle Incidents - 0.0 □ Less than 10 recordable spills per year ✓ 10% yearly reduction of P&A & shut in wells 	Behind
Creation of an Innovative Culture, Knowledge Sharing & Synergy Practices	(10%)	<ul style="list-style-type: none"> ✓ Create a cooperative environment for voluntary support among organizations through the Asset Team Concept ✓ Continue to create organizational culture of uniform standards and practices, valuing diversity of thought, while pursuing sustainable and profitable growth ✓ Provide group synergy project ideas and opportunities that streamline our operations, practices, and drives accountabilities 	On Schedule
Prudent Management of Operated & Non-Operated Operations	(60%)	<ul style="list-style-type: none"> ✓ Lifting Cost - \$0.80 per MCFE exit rate ✓ EBITDA - \$64.4MM (>\$1.5 MM operating) □ 50 wells monetized by year end from the T&A, Negative Cash Flow, and Shut In Wells list ✓ 50% Reduction in negative Cash Flow wells 	On Schedule
Development of a New Growth Engine	(10%)	<ul style="list-style-type: none"> □ 6.5 - 13 MMCFD sustainable uplift through an inventory of base production opportunities with greater 20% IRR that will payout before year end □ Develop a 2-3% CAGR development program for 2017 	No Able
Upgrading of Capability & Mgmt. System	(10%)	<ul style="list-style-type: none"> ✓ 12% (6.5%) Base decline on end of the previous year producing wells 	On Schedule

MVG IMPROVEMENT PLAN FOR YOUR OPERATION





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