

ResCalc

RESOURCE ANALYSIS AND EXPLORATION TOOLKIT

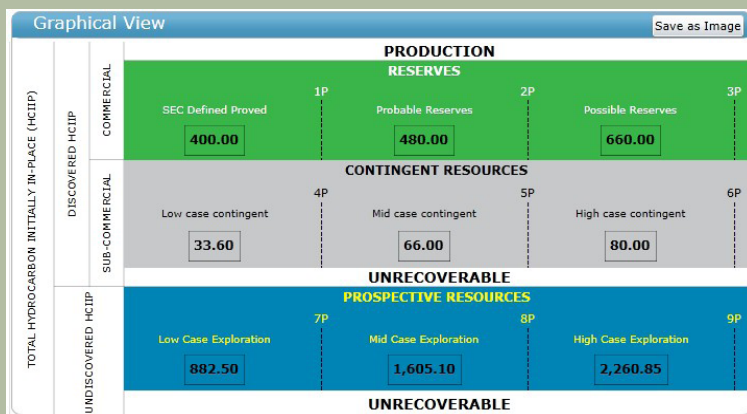
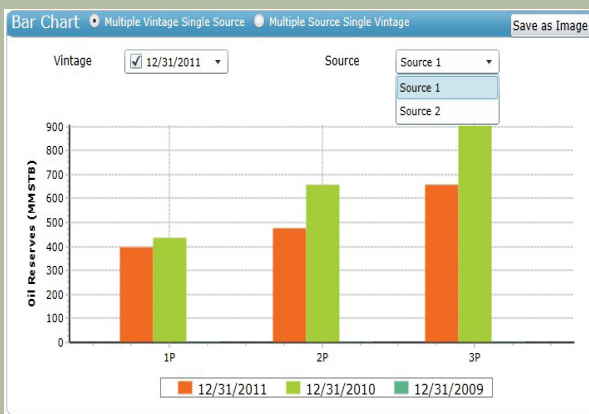


FEATURES:

- STATE-OF-THE-ART, WEB-BASED PROSPECT TRACKING AND RESOURCE CALCULATOR
- CLASSIFICATION BY GEOGRAPHY, STRATIGRAPHY, AND PROJECT INFORMATION
- VOLUMETRIC CALCULATIONS WITH USER-DEFINED RESERVOIR PROPERTIES
- DETERMINISTIC CALCULATOR WITH DIFFERENT CALCULATION METHODS
- PROBABILISTIC CALCULATOR
- SPE PRMS RESOURCE CLASSIFICATION

BENEFITS:

- FAST AND ACCURATE RESOURCE CALCULATIONS FOR MULTIPLE LEADS AND PROSPECTS
- INTUITIVE GRAPHICAL INTERFACE WEB BASED COLLABORATIVE FRAMEWORK
- ABILITY TO DEFINE AND EDIT LEADS ON THE FLY
- SINGLE DATA REPOSITORY TO AVOID DUPLICATION AND CONFUSION
- SECURE AND CONFIDENTIAL ACCESS OVER COMPANY INTRANET





ResCalc is a web-based exploration toolkit that provides a quick, accurate, and intuitive graphical interface for resource calculations and prospect tracking. It gives the flexibility to provide reservoir input parameters by lead, prospect, and other classes. It has different calculation methods for resource volumes and detailed lead information. ResCalc can perform deterministic calculation of volumetrics on-the-fly and has advanced visualization capabilities. It has the ability save projects with lead information and all calculations. ResCalc can perform probabilistic calculation of resources and provide low, mid, and high estimates based on input reservoir parameters. It has a petrophysics module with ability to filter and visualize petrophysical information.

Interactive Input Classification

- Define and edit leads and prospects by region, country, or block
- Provide information about lead maturity, classification, source, etc.
- Choice of volumetric calculation methods
- Advanced classification methodology enables for sophisticated performance and economic analysis
- Detailed input data set is stored and analyzed to identify geologic, stratigraphic, and project trends
- Users can add “meta-data” for additional notes and highlights

Geographic		Stratigraphic	
Region	North America	Water Depth(m)	
Country	US	TVD SS(m)	
Block/License	Block 1	Depth BML(m)	
Field Name	Field 1	Period	Epoch Age
		Reservoir Zone	Reservoir 1
Basics		Information	
Project Maturity	On Production	Play Type	Producing
9P Classification	Reserves	Risk	1:2
Calculation Method	BRV	Notes	
Name	Lead 1	PowerPoint Location	
Estimated Source	Source 1	Technical Owner	

Deterministic and Probabilistic Calculators

- Choose between deterministic and probabilistic calculation methods
- Select low, mid, and high input parameter values for deterministic calculation
- Choice of normal, log normal, or triangular distribution for input parameters for probabilistic calculation
- Create and store user-defined methods for easy comparison and analysis
- Import and export input parameters and results for economic forecasting and reserves analysis



Advanced Reporting and Data Repository

- Calculations performed on-the-fly
- Ability to save and store results allows for multiple input heuristics
- Fast and accurate results have been benchmarked against industry standards
- Single data repository for a collaborative, team-based workflow
- Advanced reporting, charting, and infographic capabilities

Lead 1 Input Parameters		User Defined Ps		Mean and SD			Set Cut Offs	
Reservoir Formation Properties		Units	P ₉₀	P ₁₀	P ₉₀	P ₅₀	P ₁₀	
Area	Normal	km ²	100	5	93.59	100.00	106.41	Distribution
Thickness	Normal	m			1,709.14	5,511.64	9,599.67	Distribution
Shape Factor	Normal	Fraction	1	1	1.00	1.00	1.00	Distribution
BRV	Normal	Million m ³	1000000	10000	159,960.76	551,159.34	1,021,451.46	Distribution
Net To Gross	Normal	Ratio	0.5	0.1	0.120	0.305	0.502	Distribution
Avg.Porosity	Normal	Fraction	0.3	0.05	0.066	0.179	0.302	Distribution
So in Oil Column	Normal	Fraction	0.7	0.1	0.146	0.411	0.699	Distribution
Sg in Gas Column	Normal	Fraction	0	0	0.000	0.000	0.000	Distribution
Fraction Oil Fill	Normal	Fraction	1	1	1.00	1.00	1.00	Distribution
Reservoir Fluid Properties								
Solution GOR at Psat	Normal	SCF/STB	500	50	94.99	287.80	505.81	Distribution
Bo	Normal	RVB/STB	1.5	0.1	1.05	1.30	1.78	Distribution
Bg	Normal	RVB/MSCF	0.05	0	0.008	0.027	0.051	Distribution
Condensate Yield (Rv)	Normal	STB/MMSCF	0	0	0.000	0.000	0.000	Distribution
Recovery Fractions								
Oil	Normal	Fraction	0.4	0.1	0.109	0.252	0.401	Distribution
Gas	Normal	Fraction	0	0	0.000	0.000	0.000	Distribution
Pos		Fraction	1.0					



ABOUT PLANO RESEARCH:

- Plano Research Corporation provides a wide array of sophisticated products for the oil and gas sector. Our proprietary technology has been designed to simplify and speed up the analysis of routine and complex problems faced by development and exploration geoscientists and reservoir engineers during all phases of the oil and gas exploration and development. Currently, we offer the following products:

FlowSim (a black oil and compositional reservoir simulator), CAESAR (a well and reservoir management application), Transients (a pressure transient analysis package), WatOpt (a waterflood optimization tool), GasOpt (a gas field optimization application), PetroPhase (a phase behavior software package), PVT (a fluid property data application), ResCalc (a resource analysis and exploration toolkit), PetroTrak (an online well and field management application), CoreLog (a petrophysical interpretation tool), Galaxy (a reservoir characterization software), Sigma (a seismic interpretation package), and Oil3D (a gas, oil, and water simulation tool).

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