Survey on the Use of Software for the Economic Evaluation of Oil and Gas Production Proposals. March 2006 Study and Thesis by Abel Dos Ramos, candidate for the degree of Petroleum Engineer at Universidad Central de Venezuela	
	n a coale from 4 (minimum) to 5 (monimum immediance)
For the following features, please value their importance of OPTIONS FOR THE USER	ECONOMIC / LEGAL / FISCAL OPTIONS
The user can customize the graphic formats	It calculates the Net Present Value (NPV)
The user can modify the decline curve on the graph	It allows to calculate the Internal Rate of Return (RoR)
The user can personalize the standard format of the reports	It calculates the Cash Flow before and after Taxes
It provides a help panel of easy access	It allows to make combinations of Economic Indicators
It allows the import of public databases	It allows to model the Tax Regime
It provides easy access of a database	It allows to store the models as inputs for future uses
It provides a graphic interface for easy data entry	It allows to model the conditions of Service Contracts
Data can be imported/exported from/to Excel	It allows to model the conditions of Shared Profits Contracts
The software can be upgraded through Internet	
Data can be saved in a folder in Internet	GRAPHICS / REPORT OPTIONS
	It shows results in graphic type Claws
PREDICTION / CALCULATION OPTIONS	It shows results as Profile of NPV
It allows the prediction of production	It shows results as a Histogram
It calculates fluid properties	User can modify the Decline Curve on screen
It calculates the volume of petroleum and gas in place	User can visualize and personalize the results in screen
It allows the scaling of prices, expenses and interests	User can personalize the format of graphics and reports
It calculates the Fair Value of the Market of a property	It allows to obtain the best foreseen adjustment to the Production Data
It calculates several correlations	Reports can be on a monthly and yearly base
ODTIONS OF ANALYSIS / DECISION MAKING	Reports can be stored in spreadsheet format
OPTIONS OF ANALYSIS / DECISION MAKING	Reports can be stores in different formats (PDF, HTML, etc)
It performs Sensibility Analysis	The data shown in a decline curve can be seen on any plane
It allows Monte Carlo simulation	(e.g., Appraised vs. Accumulated Production)
It allows to carry out Risk Analysis	Changes to data in graph are updated automatically in linked graphics
It analyzes adjustments of the Production curve	User can export graphics to the clipboard and link them to other files
It carries out analysis of the Decline curve It calculates Cash Flow before and after Taxes	It allows to keep the reports personalized as inputs for future use
It performs analysis of Decision Trees	OTHER DESIRED FEATURES
	OTTER DESIRED FEATORES
It allows management of Investment Portfolios It allows the analysis of different Scenarios ("What-if")	H — H
It establishes a level for the focus of the evaluation	
it establishes a level for the focus of the evaluation	
TECHNICAL / DESIGN OPTIONS	
It allows the design or size of equipment	<u> </u>
It can determine the production rate	
It can determine pressure decline	
It allows the design or size of facilities	
It can determine the Minimum Flow of Gas for the artificial lift	
Please mark an "Y" in column A for the software you are f	amiliar with, and place a grade in B on a scale of 1 (worst) to 5 (best) for the
software you have used.	animal with, and place a grade in B on a scale of 1 (worst) to 3 (best) for the
Software A	B Software A B
ARIES System, by Landmark Graphics	QUE\$TOR, by IHS Energy
MICA, by Landmark Graphics	QUICKLOOK, by Ryder Scott Petroleum Consultants
OGRE, by Schlumberger Information Systems	TCW, by Texas Computer Works
PEEP	TERAS
PETRO\$2, by David Fox Associates	TOOL KIT
PETROVR, by Caesar Systems	Other
PHDWin, by TRC Consultants	
PROPHET, by Ensyte Energy Systems Int'l	
Please, complete the following information:	
1 Names and emails of a) company b) person(s)s responsible	e for financial evaluations, c) person that completed this survey
1. Hamos and smalls of a sompany, s porosin(s) s responsible	o to interioral ovaldations, of poroon that completed the curvey
2. Investmentt Evaluation Software(s) in use by the company	
2. Investment Evaluation Software(s) in use by the company	
0. D (
Reason for selecting the software	
A December of collections with a few and the second of the	
4. Degree of satisfaction with software systems, from 1 (very le	ow) to 5 (very high)
-	
5. Is your Company considering to develop or acquire new sof	tware for invetment evaluations?
-	
6. Additional comments	