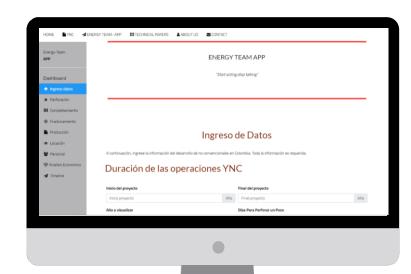
ENERGY APP User Manual

Planning for the future of Unconventional Resource Development in Colombia

Elisa María Angulo Vanegas Julián Andrés Moreno Cainaba











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ENERGY APP

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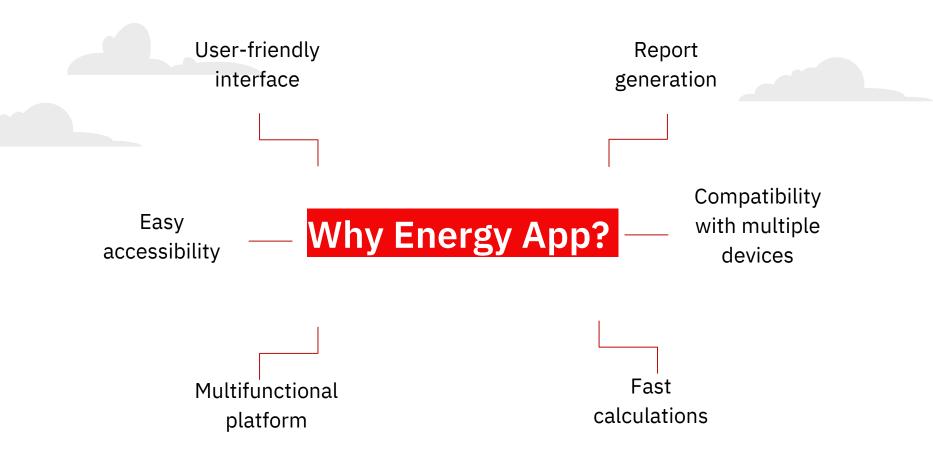
ENERGY APP SOFTWARE

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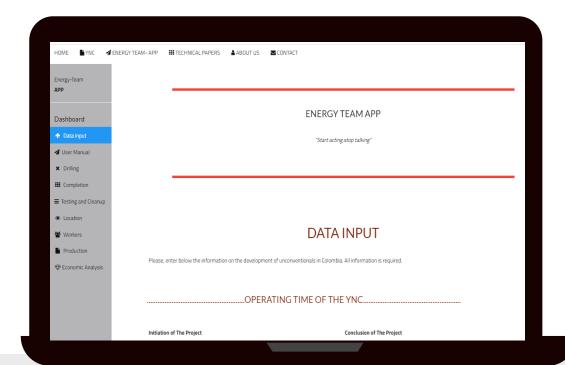




ENERGY APP FEATURES

- Data input
- Drilling
- Completion
- Testing and Cleanup
- Location
- Workers
- Production
- Economic Analysis
- Download PDF
- Download User Manual











HOW TO USE?

1. To start the **Energy App** software you must enter in the boxes each of the data requested

RGY TEAM- APP ## TECHNICAL PAPERS					OPFRATING TI	ME OF THE YNC	
C	PERATING TI	ME OF THE YNC					
Initiation of the project		Conclusion of the project		Initiation of The Project		Conclusion of The Project	
Initiation of the project	Year	Conclusion of the project	Year	2025	Year	2040	
Year to visualize		Drilling Days		Year to Visualize		Drilling Days	
Year to visualize	Year	Drilling Days	Days	2028	Year	7	
Completion Days		Testing and Cleanup Days		Completion Days		Testing and Cleanup Days	
Completion Days	Days	Testing and Cleanup Days	Days	14	Days	7	
Tie-in Days		Drawback Days		Tie-in Days		Drawback Days	
Tie-in	Days	Drawback Days	Days	14	Days	3	

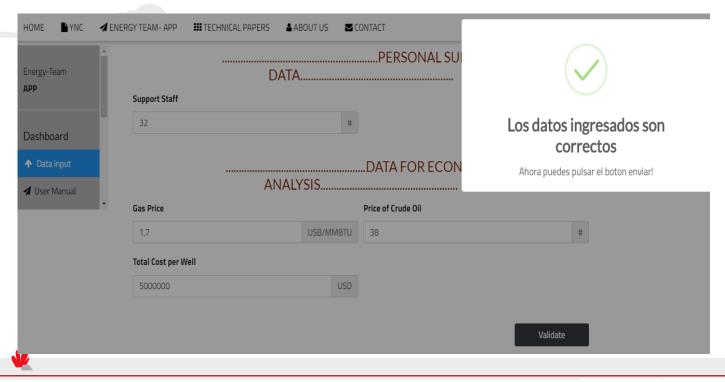








2. Once the data has been entered, it must be validated by using the validate button

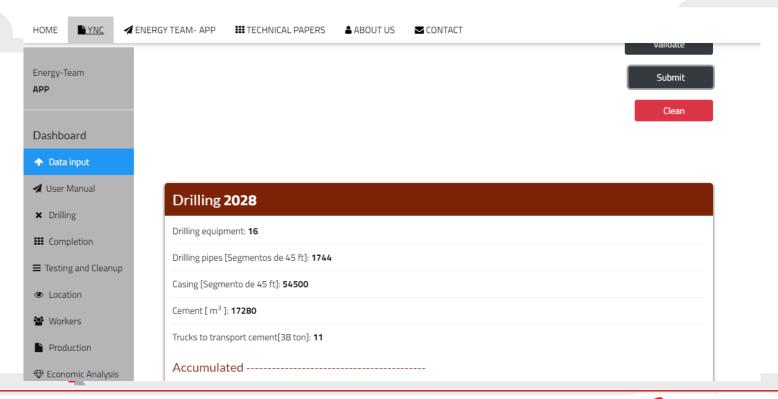








3. When the data is validated, we proceed to press the submit button and thus obtain the results

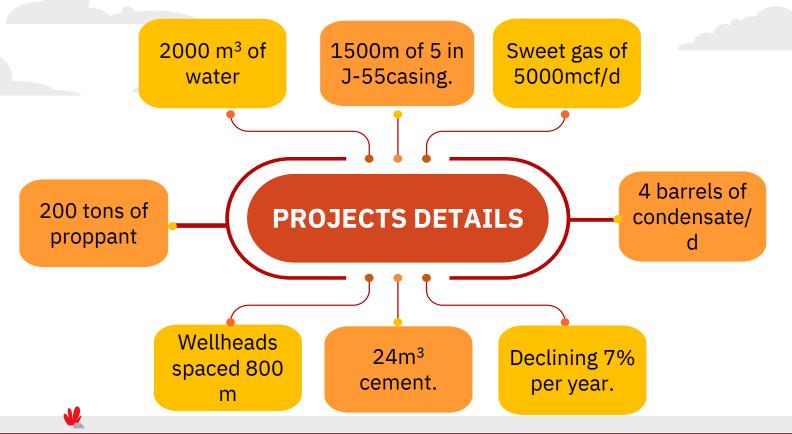








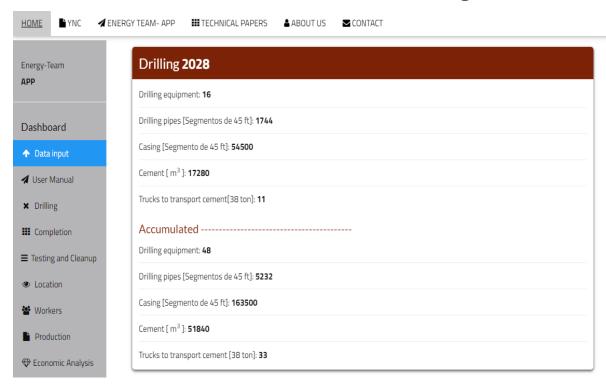
CASE STUDY







4. For this case, the following data was entered, where the results for each stage could be obtained



Drilling Results







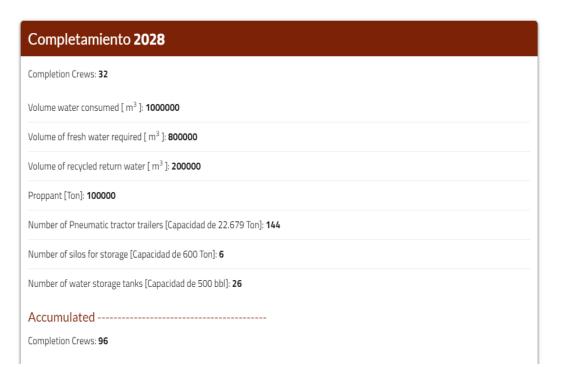


Energy-Team

APP

Dashboard

- ♠ Data input
- ✓ User Manual
- × Drilling
- **EXE** Completion
- **≡** Testing and Cleanup
- Location
- **W** Workers
- Production
- Teconomic Analysis

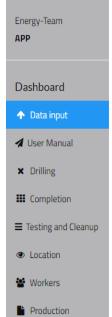


Completion Results









Completi	ion Crew Drilling Crew Support Crew	
People	Well Completion Equipment	Hours
1	Company man	12h
1	Company man Assistant	8h
2	Derryck Man	8h
2	Floor Man	8h
2	Roughneck	8h
2	Roustabout	8h
2	Electrical and Mechanical Maintenance	8h







In this section you will find the results of oil and gas production for the project as well as the economic results of the same

Production

In this section you will find the oil and gas production for each year of drilling.

Instructivo

To visualize the global economic analysis you can find it by clicking on the button "Crude Oil Production". Remember to press the gas button first.

Production and economic Results

Click to see the gas production

Click to see the crude oil production







You can find the amount of oil and gas produced by the wells drilled in the selected year throughout your operation



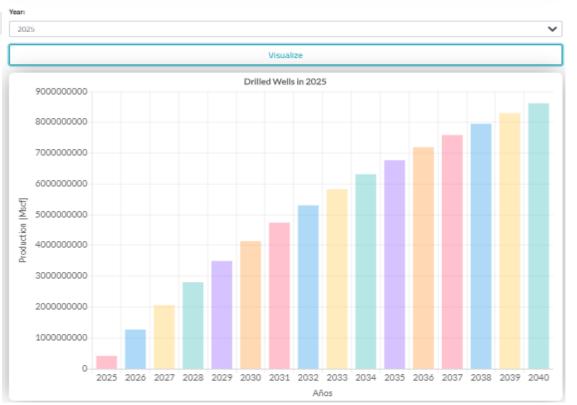








Accumulated Gas Production

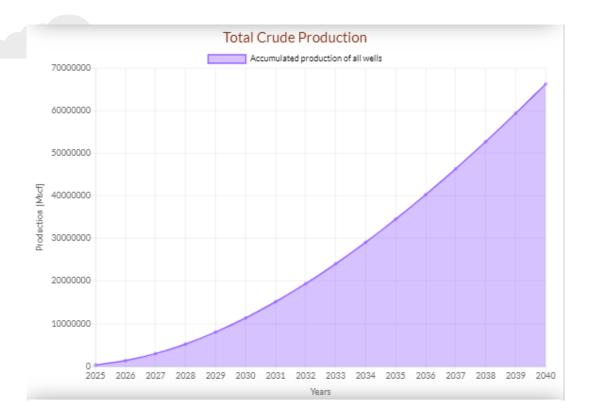


The annual production of all wells in operation









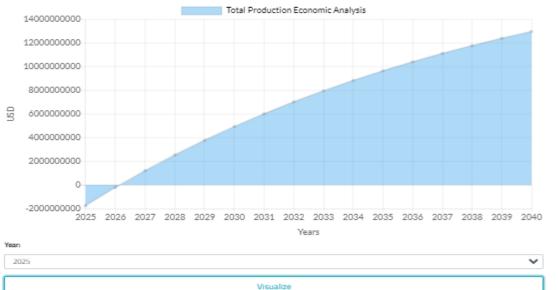
Total accumulated production up to the year to be visualized



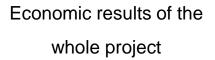




TOTAL ECONOMIC ANALYSIS OF THE PROJECT



The cash flow for the selected year is: -1754669950.06352 USD









ENERGY TEAM

Energy Team, is a team that seeks to create solutions to problems in the oil industry by seeking solutions that include technological tools and knowledge in the oil and gas industry.

We are currently participating in the Sinergia 2020 competition, where we are working on the planning of a project for a non-conventional oil field in the Middle Magdalena Valley basin in Colombia.







ABOUT US











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