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COMMODITIES*

Ecopetrol's proven reserves balance reaches 1,770 million barrels of oil equivalent at the end of 2020

in Oil & Companies News ⊙ 22/02/2021

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Ecopetrol S.A. (BVC: ECOPETROL; NYSE: EC) announced today the Company's consolidated crude oil, condensates and natural gas proven reserves (1P reserves, according to the standard international denomination) as of December 31, 2020. Reserves were estimated based on US Securities and Exchange Commission (SEC) standards and methods. 99% of the reserves were audited by five recognized

independent specialized firms (DeGolyer and MacNaughton, Gaffney, Cline & Associates, Netherland, Sewell & Associates, Ryder Scott Company and Sproule).

By the end of 2020, the **Ecopetrol** Group's net proven reserves totalled 1,770 million barrels of oil equivalent (MBOE), which represents a 6.5% decrease versus 2019 (1,893 MBOE). The reserves replacement ratio was 48%, with an average reserve life of 7.5 years. Gas reserves represented 29% of this volume, with an average reserve life of 10.1 years, while liquids reserves represented the remaining 71%, with an average reserve life of 6.8 years.

The reduction in proven reserves was mainly due to the 32% decrease in hydrocarbon prices used for the valuation. According to the SEC methodology, the Brent price used for the 2020 valuation of reserves was US\$43 per Brent barrel, versus US\$63 used for 2019. Ecopetrol estimates that the price effect led to a decrease in reserves of 215 MBOE, which was partially offset by the addition of 114 MBOE attributable to new drilling projects in different fields, such as Rubiales and Caño Sur. Additionally, positive revisions of 30 MBOE were obtained due to the good performance in production and optimization of technical-economic variables in fields such as Rubiales, Castilla and other fields in North America.

In terms of enhanced recovery, there was a positive variation of 113 MBOE, primarily due to the incorporation of reserves from new projects mainly associated with water injection in fields such as Chichimene and Castilla.

Additionally, in extensions and discoveries, progress continues to be made in the progression of probable and possible reserves to proven reserves in the Rubiales field, primarily due to the continuity of drilling operations, among others. As for discoveries, the ESOX field in the Gulf of Mexico and the Andina field in Colombia achieved commercial viability. Sales include Hocol's interest transfer in La Punta and Santo Domingo fields for a value of 1

asset by Hocol. The largest contributions to the reserves balance came from the Castilla, Chichimene, and

MBOE. Purchases include 29.9 MBOE corresponding to the acquisition of 43% of the Guajira

Ecopetrol S.A. owns 85% of the proven reserves, while the other group companies own 15%. Source: Ecopetrol

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Rubiales fields, which are operated directly by **Ecopetrol**.

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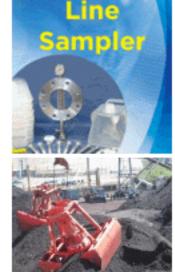
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AN ALIKKA		Updated Wednesday Contact us for rates/charts on s				17 February 2021 scrubber & ecotomage.			
	D	RY TIME CH	ARTER ES	TIMATE	ES (\$/pdp)			
SIZE	6 MOS		1 YR			2 YR			
PERIOD	ATL	PAC	ATI	L	PAC		ATL		PAC
HANDY	<u>~ 11,250</u>	<u> </u>	A 11	1,000	10,500	_	11,250	-	11,000
SUPRAMAX	14,250	<u> 14,000</u>	± 13	3,000	12,750	-	14,250	-	14,000
ULTRAMAX	± 14,500	<u></u> 14,250	A 13	3,750	13,250	_	14,750	-	14,250
PANA/KMAX	15,000	<u></u> 14,500	<u>~ 14</u>	4,000	13,500	-	15,500	-	15,250
CAPESIZE	△ 16,750	a 16,000	A 12	7,500 4	14,500		17,500		16,750

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WEEKLY TANKER TIME CHARTER **ESTIMATES**

ALIBR Mosing Jimind	A	"3 & Syrs in	17 February 2021 tonnage			
	WET TIME CHAR	TER ESTIMATES (\$	/pdpr)			
SIZE	1 YR	2 YR	*3 YR	*5 YR		
HANDY	- 11,000	= 12,750	= 14,000	= 14,000		
MR IMO3	12,000	▼ 13,000	= 15,500	△ 15,500		
LR1	▼ 13,000	= 15,000	▼ 16,500	▼ 17,000		
LR2	▼ 16,500	= 18,500	= 23,500	▼ 22,500		
AFRA	= 15,750	a 18,000	▼ 21,500	₹ 22,000		
SUEZ	= 18,000	▼ 20,000	= 25,000	= 26,000		
VLCC	24,000	₹ 28,000	= 33,500	= 35,000		

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