

MAPPING VENEZUELA'S OIL INFRASTRUCTURE

A LEGACY AT RISK

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Información Referencial no actualizada

STATUS: CRITICAL //
REPORT GENERATED FOR
FORENSIC REVIEW

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LAT: 10.4806° N // LON: 66.9036° W

The system was designed to support production levels exceeding 3.3 million barrels per day, production has collapsed to less than 900,000 bpd



Proven crude oil reserves are estimated at about 303 billion barrels, making up roughly 17–20 % of global proven oil reserves

A technical inventory and strategic audit of the nation's critical energy assets. Comprehensive data on crude, products, derivatives, and storage facilities across Anzoátegui, Falcón, Zulia, and the Central Region.

LAT: 08.0000° N // LON: 66.0000° W

City	Terminal	Coordinates	Pier	Berth	Max. Dwt	Max. FB/Manifold	Max. Disp.	Max. LOA (in meters)	Max. Draft	Connections	Disch/load Rates
Punto Fijo	Amuay	11° 44' 25" N 70° 14' 50" W	1	1 p/s a/s	90,000	57'04" mwhm	120,000	260.91	43'00"	12-inch chiksan	25,000 Bbls/hr c/p
			1	2 s/s a/s	90,000	57'04" mwhm	120,000	260.91	43'00"	12-inch chiksan	25,000 Bbls/hr c/p
			2	3 p/s a/s	47,000	43'00" mwhm	60,000	183.18	40'00"	8-inch hoses.	25,000 Bbls/hr c/p
			2	4 s/s a/s	57,000	43'00" mwhm	64,000	213.36	40'00"	8-inch hoses.	25,000 Bbls/hr c/p
			3	5 p/s a/s	64,000	40'00" mwhm	64,000	213.36	41'00"	8-inch hoses.	25,000 Bbls/hr c/p
			3	6 s/s a/s	64,000	40'00" mwhm	64,000	213.36	41'00"	8-inch hoses.	25,000 Bbls/hr c/p
			4	7 p/s a/s	64,000	57'03" mwhm	64,000	260.91	39'06"	10-inch chiksan	25,000 Bbls/hr c/p
			4	8 s/s a/s	90,000	57'03" mwhm	92,000	260.91	42'00"	10-inch chiksan	25,000 Bbls/hr c/p
	Coker	n/a	80,000		103,000	240.18	43'00"		hoses.	15,000 t/day	
	Cardon	11° 37' 00" N 70° 16' 00" W	5	n/a		13.8 meters FB	44,000	256.03	46'00"		
			1 (Green)	1 s/s a/s	47,000	15 meters mwhm	25,000	175.26	30'00"	10" hoses	8,000 - 15,000 bbls/hr
			1 (Green)	2 p/s a/s	47,000	15 meters mwhm	25,000	175.26	31'00"	10" hoses	8,000 - 15,000 bbls/hr
			1 (Green)	3 s/s a/s	47,000	15 meters mwhm	55,000	216.41	39'06"	10" hoses	8,000 - 15,000 bbls/hr
			1 (Green)	4 p/s a/s	47,000	15 meters mwhm	55,000	216.41	40'00"	10" hoses	8,000 - 15,000 bbls/hr
			2 (Red)	1 s/s a/s	47,000	15 meters mwhm	25,000	129.24	19'06"	4" hose	8,000 - 15,000 bbls/hr
2 (Red)			2 p/s a/s	47,000	15 meters mwhm	25,000	129.24	21'06"	4" hose	8,000 - 15,000 bbls/hr	
2 (Red)			3 s/s a/s	47,000	15 meters mwhm	55,000	216.41	40'06"	12" chiksan/10" hoses	8,000 - 15,000 bbls/hr	
2 (Red)			4 p/s a/s	47,000	15 meters mwhm	55,000	216.41	39'00"	12" chiksan/10" hoses	8,000 - 15,000 bbls/hr	
3 (White)			3 s/s a/s	130,000	15 meters mwhm	70,000	274.32	44'06"	12" chiksan	8,000 - 15,000 bbls/hr	
3 (White)	4 p/s a/s	130,000	15 meters mwhm	62,000	274.32	45'06"	10" hoses	8,000 - 15,000 bbls/hr			
4 (Blue)	3 s/s a/s	105,000	15 meters FB	54,000	274.32	45'00"	12" chiksan/10" hoses	8,000 - 15,000 bbls/hr			
4 (Blue)	4 p/s a/s	105,000	15 meters FB	54,000	274.32	45'00"	10" hoses	8,000 - 15,000 bbls/hr			
Guaranao	11° 40' N 70° 12' W		North / South	40,000		40,000	180	10 meters			
Puerto La Cruz	Petro San Felix Solids (formerly known as Petrocedeño / Amivenca / Sincor solids)	10 08' 22" N 64 52' 15" W	Petrochemical Dock	Portside	65,000	16 meters	80,000	230	12.40 meters	2 shiploader dry-bulk/chiksan	1500 t/hr liq/max 1600 solid
	T.O.J (former BITOR)	10° 09' 00" N 64° 50' 12" W	Monobuoy	Portside loading	250,000	6.80 meters mwhm	n / a	n / a	12 meters	16 inches diameter hose	24,000 bbls/hour
	Fertinitro	10° 6.422'N 64° 52.545'W	Container Platform	n / a	n / a	n / a	n / a	n / a	n / a	n / a	n / a
			Petrochemical Platform A (Anmmonia)	p/s a/s	65,000	6 meters mwhm	85,000	220	13.0 meters	12" arm connection for loading and 8" arm connection for vapor return	274 to 1,113 t/hr
			Petrochemical Platform B	n / a	n / a	n / a	n / a	n / a	n / a	n / a	n / a
			Urea Handling Platform	p/s a/s	65,000	6 meters mwhm	85,000	220	13.0 meters	shiploader	1000 t/hr
	Guaraguao	10 15'00" N 64 45'00" W *	1	p/s a/s	50,000	52 ft mwhm	60,000	182.88 - 226.60	38 feet	2 x 10" rubber hoses	max 30,000 co 12,000 prd
			2	p/s a/s	50,000	52 ft mwhm	60,000	182.88 - 266.60	38 feet	2 x 10" rubber hoses	max 10,000 co 2,000 prd
			3	s/s & p/s a /s	45,000	52 ft mwhm	60,000	182.88	38 feet	2 x 10" rubber hoses	max 20,000 co 12,000 prd
			4	s/s a/s	120,000	60 ft mwhm	155,000	280.42	55 feet	3x16" * chiksan	max 50,000 co 15,000 prd
			5	s/s a/s	120,000	60 ft mwhm	155,000	280.42	55 feet	3x16" * chiksan	max 50,000 co 15,000 prd
			6	s/s & p/s a /s	58,000	56 ft mwhm	76,000	243.84	40 feet	2 x 10" chiksan	max 10,000 co 2,000 prd
7			s/s & p/s a /s	120,000	60 ft mwhm	155,000	289.56	52 feet	2 x 16" floating hoses	Max 40,000	
Jose Terminal	10° 06' 19" N 64° 51' 10" W	8	s/s a/s	45,000	min 5.1 / max 14 m FB	63,000	230	12.60 meters	10" ASA 300 reducers	8000 to 17000 bbls/hr	
		9	p/s a/s	45,000	min 5.1 / max 14 m FB	63,000	230	12.60 meters	10" ASA 300 reducers	8000 to 17000 bbls/hr	
Petro San Felix (former Petroanzoategui, Petrozuata)	10° 08' 08" N 064° 52'06" W	Monobuoy	n/a	130,000	min 5.1 / max 20 m FB	N/A	254.2	17 meters	16" 150 ASA flanges/hose	min 8,000 t/hr	
		Sólidos	n/a	65,000	15 meters air draft cl.	80,000	254.2	12.20 meters	chikloader	1200 t/hr(sulf) /800 t/hr (coke)	
T.A.E.C.J Jose Platform	10° 08' 33 50" N 49' 33 10" W	East	p/s a/s	300,000	20.60 m mwhm	320,000	110 parallel body	25.00 meters	04 Loading Arms of 16"	55,000 - 100,000 bbls/hr	
		West	s/s a/s	300,000	20.60 m mwhm	320,000	110 parallel body	25.00 meters	04 Loading Arms of 16"	55,000 - 100,000 bbls/hr	
		South	s/s a/s	150,000	17.00 m mwhm	170,000	289.5	22.00 meters	03 Loading Arms of 16"	48,000 - 60,000 bbls/hr	

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mwhm: max waterline height to manifold / mwhdock: max. waterline height to dock / FB: free board / p/s : portside / s/s: starboard side / a/s: alongside / t: metric tonnes

n/a: not applicable / co: crude oil / prd: product / dwt: dead weight tonnage / Disp.: displacement / c/p: clean products

Revised: 15 March 2018

Información Referencial no actualizada

0	Terminal	Coordinates	Pier	Berth	Max. Dwt	Max. FB/Manifold	Max. Disp.	Max. LOA (in meters)	Max. Draft	Connections	Disch/load Rates
Maracaibo Lake Area	Bajo Grande Gas	10° 38' 8" N 71° 36' 08" W	1	n/a	50,000 *		20,000*			3 loading arms 10" ASA 300	8,000 bbls/hr
	Bajo Grande Refinery	10° 38' 8" N 71° 36' 08" W	North Platform	3 Eastern p/s a/s	85,000		105,000	trim restrictions	35'00"	two 10-inch arms	5,000 to 20,000 bbls/hr
			South Platform	1 Eastern s/s a/s	61,000		42,000	trim restrictions		3 loading arms 8"	5,000 to 20,000 bbls/hr
			South Platform	2 Western p/s a/s	36,000		20,000	trim restrictions	32'00"	3 loading arms 8"	5,000 to 20,000 bbls/hr
	El Tablazo	10° 45' 20" N 71° 32' 30" W	Heavy cargo	n/a	unlimited	3.53 meters mwhdock		60	3.05 meters	1 arm 10" 1 arm 10"	200 to 250 t/hr / 180 t/hr 200 to 250 t/hr / 180 t/hr
			Liquids	North p/s a/s	50,000	3.60 meters mwhdock		240	31 feet		
			Liquids	South p/s a/s	50,000	3.60 meters mwhdock		240	30 feet		
			Salt	n/a	50,000	1.00 meters mwhdock		82.5	18 feet		
			Solids	North urea bulk p/s a/s	50,000	3.53 meters mwhdock		200	29 feet		
			Solids	South urea sacks p/s a/s	50,000	3.53 meters mwhdock		250	26 feet		
			Solids	South General	50,000	3.53 meters mwhdock		200	7.2 meters		
	La Salina	10° 22' 18" N 71° 27' 49" W	North	6 p/s & s/s	145,000	54 feet mw hm		274.32	35'00"	load arms 12"	40,000 bbls/hr
			North	7 p/s & s/s	145,000	54 feet mw hm		274.32		load arms 12"	40,000 bbls/hr
			South	6 p/s & s/s	145,000	54 feet mw hm		274.32		load arms 12"	40,000 bbls/hr
			South	7 p/s & s/s	145,000	54 feet mw hm		274.32		load arms 12"	40,000 bbls/hr
	Puerto Miranda	10 46' N 71 W	1	p/s & a/s	115,000	52 feet mw hm	90,000	274.02	33'00"	load arms 12"	36,000 bbls/hr
			2	s/s & a/s	115,000	52 feet mw hm	90,000	274.02	33'00"	load arms 12"	36,000 bbls/hr
			5	p/s & a/s	115,000	52 feet mw hm	90,000	274.02	33'00"	load arms 12"	36,000 bbls/hr
6			s/s a/s	115,000	52 feet mw hm	90,000	274.02	33'00"	load arms 12"	36,000 bbls/hr	
Punta Camacho	10° 33' N 71° 32' W	Pralca	p/s & a/s	8,600	Edgar Tovar / director@atsuministros.com	125	6.5 meters	1 conn. 06" S/S 1 conn. 2"	300 psi prdcts/ 150 psi N2		
Puerto Cabello	El Palito	10 29' 51" N 68 07' 13" W	1	out of service	50,000	15 meters FB	65,000	228	12.2 meters	6 chiksans/ 12" & 8"	7,500 to 27,000 bbls/hr
			1	out of service	25,000	15 meters FB	65,000	210	11.0 meters	6 chiksans/ 12" & 8"	7,500 to 27,000 bbls/hr
			2	3 p/s a/s	85,000	15 meters FB	110,000	250	14.6 meters	8 chiksans / 12" & 8"	7,500 to 27,000 bbls/hr
			2	4 s/s a/s	85,000	15 meters FB	110,000	250	12.2 meters	8 chiksans / 12" & 8"	7,500 to 27,000 bbls/hr
	Borburata	10° 29' 3" N 67'59" W	1	s/s a/s	32,000			175.26	31 Feet	4 chiksans / 4"& 8" hoses	300-400 / 150-200
	Terquimca	10° 29' 03" N 68° 01' 00 W	37	p/s & a/s	40,000	min 1.00 meters FB		180	35' 00" *	hoses 6" to 8"	150 to 200 t/hr
			38	s/s a/s	40,000	min 1.00 meters FB		180	35' 00" *	hoses 6" to 8"	150 to 200 t/hr
	Ocamar	10° 29' 03" N 68° 01' 00 W	T-1 / T-2	p/s & a/s	40,000	min 1.00 meters FB		180	35' 00" *	Bulk cargo /	2,500 to 3,500 t/day
			T-3 / T-4	s/s a/s	40,000	min 1.00 meters FB		180	35' 00" *	Container cargo	
	VOPAK (former Venterminales)	10° 29' 03" N 68° 02' 15" W	A	liquids p/s a/s	11,000	min 1.80 meters FB		125	23'06"	12 ton crane & conveyor	4,000 to 7,000 t/d
B			liquids p/s a/s	40,000	min 2.20 meters FB		220	36'06"			
C			solids s/s a/s	40,000	min 2.20 meters FB		220	37'06"			

mwhm: max waterline height to manifold / mwhdock: max. waterline height to dock / FB: free board / p/s : portside / s/s: starboard side / a/s: along side / t: metric tonnes / n/a: not applicable / co: crude oil /

prd: product / dwt: dead weight tonnage / Disp.: displacement / c/p: clean products.

(1) Note: According to HARBOUR MASTER'S OFFICE- MARACAIBO, CIRCULAR N° AJZL -008/2016, Presently and upto further notice, the authorized draft for Lake Maracaibo Channel, is as follows:

A - HIGH TIDE APPLICATION

1) For All Vessels type or less: 37 Feet 00 inches fw

B - MID TIDE APPLICATION:

1) For All type Vessels or less: 35 Feet 00 inches fw

C- LOW TIDE APPLICATION:

1) For All type Vessels or less: 33 Feet 00 inches fw

Revised: 15 March 2018

