

**COORDENADAS DE LOS VERTICES**

**AREA DE OPERACIÓN RESERVADA PARA YPFB**

N°1 MADRE DE DIOS					
Nro.	Vertice	X Utm	Y Utm	Zona: 19	UTM PSAD-56
				Latitud	Longitud
1	MDS-1 (PP)	690000	8740000	11° 23' 34.180"	67° 15' 31.476"
2	MDS-2	690000	8690000	11° 50' 41.255"	67° 15' 21.362"
3	MDS-3	590000	8690000	11° 50' 56.246"	68° 10' 25.535"
4	MDS-4	590000	8740000	11° 23' 48.584"	68° 10' 30.328"
				AREA (HA):	500,000.00
				PARCELAS:	200.00

**COORDENADAS DE LOS VERTICES**

**AREA DE OPERACIÓN RESERVADA PARA YPFB**

N°2 RIO BENI					
Nro.	Vertice	X Utm	Y Utm	Zona: 19	UTM PSAD-56
				Latitud	Longitud
1	RBN-1 (PP)	720000	8720000	11° 34' 18.589"	66° 58' 57.482"
2	RBN-2	720000	8670000	12° 01' 25.384"	66° 58' 45.580"
3	RBN-3	730000	8670000	12° 01' 22.939"	66° 53' 15.079"
4	RBN-4	730000	8660000	12° 06' 48.272"	66° 53' 12.529"
5	RBN-5	750000	8660000	12° 06' 43.016"	66° 42' 11.367"
6	RBN-6	750000	8565000	12° 58' 13.184"	66° 41' 43.927"
7	RBN-7	720000	8565000	12° 58' 21.470"	66° 58' 18.986"
8	RBN-8	720000	8590000	12° 44' 48.139"	66° 58' 25.516"
9	RBN-9	725000	8590000	12° 44' 46.855"	66° 55' 39.808"
10	RBN-10	725000	8620000	12° 28' 30.868"	66° 55' 47.654"
11	RBN-11	630000	8620000	12° 28' 49.912"	67° 48' 13.543"
12	RBN-12	630000	8690000	11° 50' 51.534"	67° 48' 23.720"
13	RBN-13	690000	8690000	11° 50' 41.255"	67° 15' 21.362"
14	RBN-14	690000	8720000	11° 34' 25.017"	67° 15' 27.481"
				AREA (HA):	1,000,000.00
				PARCELAS:	400.00

**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N° 3 MADIDI					
Nro.	Vertice	X Utm	Y Utm	Zona: 19	UTM PSAD-56
				Latitud	Longitud
1	MDD-1 (PP)	550000	8500000	13° 34' 04.315"	68° 32' 16.336"
2	MDD-2	550000	8495000	13° 36' 47.069"	68° 32' 16.020"
3	MDD-3	555000	8495000	13° 36' 46.744"	68° 29' 29.627"
4	MDD-4	555000	8490000	13° 39' 29.497"	68° 29' 29.279"
5	MDD-5	560000	8490000	13° 39' 29.140"	68° 26' 42.855"
6	MDD-6	560000	8485000	13° 42' 11.890"	68° 26' 42.473"
7	MDD-7	570000	8485000	13° 42' 11.081"	68° 21' 09.566"
8	MDD-8	570000	8480000	13° 44' 53.828"	68° 21' 09.120"
9	MDD-9	575000	8480000	13° 44' 53.375"	68° 18' 22.637"
10	MDD-10	575000	8475000	13° 47' 36.120"	68° 18' 22.157"
11	MDD-11	585000	8475000	13° 47' 35.118"	68° 12' 49.132"
12	MDD-12	585000	8470000	13° 50' 17.859"	68° 12' 48.586"
13	MDD-13	590000	8470000	13° 50' 17.309"	68° 10' 02.045"
14	MDD-14	590000	8465000	13° 53' 00.047"	68° 10' 01.465"
15	MDD-15	595000	8465000	13° 52' 59.463"	68° 07' 14.893"
16	MDD-16	595000	8460000	13° 55' 42.199"	68° 07' 14.279"
17	MDD-17	600000	8460000	13° 55' 41.582"	68° 04' 27.677"
18	MDD-18	600000	8450000	14° 01' 07.047"	68° 04' 26.376"
19	MDD-19	605000	8450000	14° 01' 06.394"	68° 01' 39.712"
20	MDD-20	605000	8445000	14° 03' 49.124"	68° 01' 39.025"
21	MDD-21	610000	8445000	14° 03' 48.437"	67° 58' 52.330"
22	MDD-22	610000	8440000	14° 06' 31.164"	67° 58' 51.609"
23	MDD-23	630000	8440000	14° 06' 28.085"	67° 47' 44.725"
24	MDD-24	630000	8430000	14° 11' 53.516"	67° 47' 43.011"
25	MDD-25	615000	8430000	14° 11' 55.889"	67° 56' 03.367"
26	MDD-26	615000	8420000	14° 17' 21.333"	67° 56' 01.840"
27	MDD-27	620000	8420000	14° 17' 20.570"	67° 53' 14.985"
28	MDD-28	620000	8410000	14° 22' 46.006"	67° 53' 13.380"
29	MDD-29	625000	8410000	14° 22' 45.205"	67° 50' 26.461"
30	MDD-30	625000	8405000	14° 25' 27.920"	67° 50' 25.621"
31	MDD-31	615000	8405000	14° 25' 29.495"	67° 55' 59.528"
32	MDD-32	615000	8410000	14° 22' 46.775"	67° 56' 00.302"
33	MDD-33	610000	8410000	14° 22' 47.511"	67° 58' 47.226"
34	MDD-34	610000	8420000	14° 17' 22.064"	67° 58' 48.697"
35	MDD-35	605000	8420000	14° 17' 22.763"	68° 01' 35.557"
36	MDD-36	605000	8425000	14° 14' 40.037"	68° 01' 36.255"
37	MDD-37	585000	8425000	14° 14' 42.498"	68° 12' 43.585"
38	MDD-38	585000	8410000	14° 22' 50.700"	68° 12' 41.882"
39	MDD-39	515000	8410000	14° 22' 55.281"	68° 51' 39.140"
40	MDD-40	515000	8415000	14° 20' 12.533"	68° 51' 39.240"
41	MDD-41	505000	8415000	14° 20' 12.663"	68° 57' 13.080"
42	MDD-42	505000	8420000	14° 17' 29.914"	68° 57' 13.113"
43	MDD-43	510000	8420000	14° 17' 29.865"	68° 54' 26.226"
44	MDD-44	510000	8425000	14° 14' 47.115"	68° 54' 26.293"
45	MDD-45	520000	8425000	14° 14' 46.920"	68° 48' 52.587"
46	MDD-46	520000	8445000	14° 03' 55.917"	68° 48' 53.115"
47	MDD-47	515000	8445000	14° 03' 56.029"	68° 51' 39.836"
48	MDD-48	515000	8450000	14° 01' 13.277"	68° 51' 39.934"
49	MDD-49	510000	8450000	14° 01' 13.356"	68° 54' 26.622"
50	MDD-50	510000	8455000	13° 58' 30.603"	68° 54' 26.688"
51	MDD-51	505000	8455000	13° 58' 30.650"	68° 57' 13.344"
52	MDD-52	505000	8495000	13° 36' 48.599"	68° 57' 13.600"
53	MDD-53	510000	8495000	13° 36' 48.552"	68° 54' 27.201"
54	MDD-54	510000	8500000	13° 34' 05.793"	68° 54' 27.264"
				AREA (HA):	690,000.00
				PARCELAS:	276.00

**Obs.-** El área de contrato TUICHI NORTE se encuentra en el interior del Area Madidi, excluyendose 50.000,00 Has. quedando el Area de 690.000,00 Has.

**COORDENADAS DE LOS VERTICES**

AREA DEL CONTRATO DE OPERACIÓN

**OPERADOR: REPSOL- YPF**

N°36N TUICHI NORTE					
				Zona: 19	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	TUI-1(PP)	567500	8465000	13° 53' 02.282"	68° 22' 31.062"
2	TUI-2	567500	8460000	13° 55' 45.027"	68° 22' 30.625"
3	TUI-3	572500	8460000	13° 55' 44.585"	68° 19' 44.013"
4	TUI-4	572500	8455000	13° 58' 27.328"	68° 19' 43.542"
5	TUI-5	577500	8455000	13° 58' 26.851"	68° 16' 56.899"
6	TUI-6	577500	8450000	14° 01' 09.592"	68° 16' 56.394"
7	TUI-7	582500	8450000	14° 01' 09.083"	68° 14' 09.720"
8	TUI-8	582500	8445000	14° 03' 51.821"	68° 14' 09.180"
9	TUI-9	587500	8445000	14° 03' 51.278"	68° 11' 22.475"
10	TUI-10	587500	8440000	14° 06' 34.014"	68° 11' 21.902"
11	TUI-11	592500	8440000	14° 06' 33.437"	68° 08' 35.166"
12	TUI-12	592500	8435000	14° 09' 16.170"	68° 08' 34.557"
13	TUI-13	595000	8435000	14° 09' 15.869"	68° 07' 11.173"
14	TUI-14	595000	8430000	14° 11' 58.601"	68° 07' 10.546"
15	TUI-15	580000	8430000	14° 12' 00.296"	68° 15' 30.953"
16	TUI-16	580000	8435000	14° 09' 17.558"	68° 15' 31.482"
17	TUI-17	575000	8435000	14° 09' 18.057"	68° 18' 18.255"
18	TUI-18	575000	8440000	14° 06' 35.317"	68° 18' 18.749"
19	TUI-19	570000	8440000	14° 06' 35.782"	68° 21' 05.491"
20	TUI-20	570000	8445000	14° 03' 53.040"	68° 21' 05.950"
21	TUI-21	565000	8445000	14° 03' 53.472"	68° 23' 52.662"
22	TUI-22	565000	8455000	13° 58' 27.983"	68° 23' 53.510"
23	TUI-23	560000	8455000	13° 58' 28.380"	68° 26' 40.157"
24	TUI-24	560000	8465000	13° 53' 02.886"	68° 26' 40.935"
				AREA (HA):	50,000.00
				PARCELAS:	20.00

## COORDENADAS DE LOS VERTICES

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°4 SECURE ZONA19					
Nro.	Vertice	X Utm	Y Utm	Zona: 19	UTM PSAD-56
				Latitud	Longitud
1	S19-1(PF)	730000	8335000	15° 03' 00.283"	66° 51' 38.283"
2	S19-2	730000	8330000	15° 05' 42.908"	66° 51' 36.657"
3	S19-3	740000	8330000	15° 05' 39.674"	66° 46' 01.908"
4	S19-4	740000	8325000	15° 08' 22.288"	66° 46' 00.206"
5	S19-5	750000	8325000	15° 08' 18.907"	66° 40' 25.408"
6	S19-6	750000	8320000	15° 11' 01.509"	66° 40' 23.629"
7	S19-7	755000	8320000	15° 10' 59.762"	66° 37' 36.204"
8	S19-8	755000	8315000	15° 13' 42.358"	66° 37' 34.383"
9	S19-9	760000	8315000	15° 13' 40.570"	66° 34' 46.928"
10	S19-10	760000	8310000	15° 16' 23.160"	66° 34' 45.066"
11	S19-11	765000	8310000	15° 16' 21.332"	66° 31' 57.581"
12	S19-12	765000	8305000	15° 19' 03.916"	66° 31' 55.677"
13	S19-13	770000	8305000	15° 19' 02.048"	66° 29' 08.163"
14	S19-14	770000	8300000	15° 21' 44.625"	66° 29' 06.217"
15	S19-15	775000	8300000	15° 21' 42.716"	66° 26' 18.673"
16	S19-16	775000	8290000	15° 27' 07.857"	66° 26' 14.689"
17	S19-17	780000	8290000	15° 27' 05.900"	66° 23' 27.080"
18	S19-18	780000	8285000	15° 29' 48.464"	66° 23' 25.041"
19	S19-19	785000	8285000	15° 29' 46.466"	66° 20' 37.403"
20	S19-20	785000	8280000	15° 32' 29.023"	66° 20' 35.322"
21	S19-21	790000	8280000	15° 32' 26.984"	66° 17' 47.653"
22	S19-22	790000	8275000	15° 35' 09.533"	66° 17' 45.528"
23	S19-23	795000	8275000	15° 35' 07.453"	66° 14' 57.831"
24	S19-24	795000	8270000	15° 37' 49.995"	66° 14' 55.662"
25	S19-25	800000	8270000	15° 37' 47.873"	66° 12' 07.935"
26	S19-26	800000	8265000	15° 40' 30.408"	66° 12' 05.723"
27	S19-27	805000	8265000	15° 40' 28.244"	66° 09' 17.966"
28	S19-28	805000	8240000	15° 54' 00.876"	66° 09' 06.613"
29	S19-29	810000	8240000	15° 53' 58.642"	66° 06' 18.678"
30	S19-30	810000	8210000	16° 10' 13.735"	66° 06' 04.585"
31	S19-31	820838.376	8210000	16° 10' 08.681"	66° 00' 00.091"
32	S19-32	820768.051	8205000	16° 12' 51.210"	66° 00' 00.091"
33	S19-32	820399.718	8180000	16° 26' 23.868"	66° 00' 00.043"
34	S19-33	815000	8180000	16° 26' 26.449"	66° 03' 01.836"
35	S19-34	815000	8190000	16° 21' 01.444"	66° 03' 06.732"
36	S19-35	805000	8190000	16° 21' 06.081"	66° 08' 43.354"
37	S19-36	805000	8195000	16° 18' 23.565"	66° 08' 45.713"
38	S19-37	800000	8195000	16° 18' 25.821"	66° 11' 33.996"
39	S19-38	800000	8200000	16° 15' 43.296"	66° 11' 36.310"
40	S19-39	795000	8200000	16° 15' 45.509"	66° 14' 24.562"
41	S19-40	795000	8210000	16° 10' 20.445"	66° 14' 29.091"
42	S19-41	790000	8210000	16° 10' 22.608"	66° 17' 17.274"
43	S19-42	790000	8220000	16° 04' 57.528"	66° 17' 21.698"
44	S19-43	785000	8220000	16° 04' 59.641"	66° 20' 09.812"
45	S19-44	785000	8225000	16° 02' 17.094"	66° 20' 11.976"
46	S19-45	780000	8225000	16° 02' 19.165"	66° 23' 00.059"
47	S19-46	780000	8235000	15° 56' 54.055"	66° 23' 04.290"
48	S19-47	785000	8235000	15° 56' 51.997"	66° 20' 16.282"
49	S19-48	785000	8245000	15° 51' 26.897"	66° 20' 20.561"
50	S19-49	780000	8245000	15° 51' 28.943"	66° 23' 08.494"
51	S19-50	780000	8250000	15° 48' 46.386"	66° 23' 10.586"
52	S19-51	775000	8250000	15° 48' 48.390"	66° 25' 58.489"
53	S19-52	775000	8260000	15° 43' 23.261"	66° 26' 02.579"
54	S19-53	770000	8260000	15° 43' 25.217"	66° 28' 50.414"
55	S19-54	770000	8270000	15° 38' 00.074"	66° 28' 54.403"
56	S19-55	760000	8270000	15° 38' 03.856"	66° 34' 29.946"
57	S19-56	760000	8275000	15° 35' 21.272"	66° 34' 31.858"
58	S19-57	750000	8275000	15° 35' 24.901"	66° 40' 07.352"
59	S19-58	750000	8290000	15° 27' 17.110"	66° 40' 12.831"
60	S19-59	745000	8290000	15° 27' 18.855"	66° 43' 00.478"
61	S19-60	745000	8295000	15° 24' 36.252"	66° 43' 02.256"
62	S19-61	735000	8295000	15° 24' 39.626"	66° 48' 37.495"
63	S19-62	735000	8305000	15° 19' 14.396"	66° 48' 40.890"
64	S19-63	730000	8305000	15° 19' 16.020"	66° 51' 28.446"
65	S19-64	730000	8310000	15° 16' 33.399"	66° 51' 30.099"
66	S19-65	720000	8310000	15° 16' 36.534"	66° 57' 05.155"
67	S19-66	720000	8335000	15° 03' 03.369"	66° 57' 12.984"
				AREA (HA):	416,861.32
				PARCELAS:	166.74

**COORDENADAS DE LOS VERTICES**  
**AREA DE OPERACIÓN RESERVADA PARA YPFB**

N°4 SECURE ZONA20					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	S20-68 (PP)	185000	8205000	16° 12' 53.931"	65° 56' 45.982"
2	S20-69	185000	8200000	16° 15' 36.436"	65° 56' 48.403"
3	S20-70	190000	8200000	16° 15' 38.760"	65° 54' 00.173"
4	S20-71	190000	8195000	16° 18' 21.271"	65° 54' 02.563"
5	S20-72	195000	8195000	16° 18' 23.565"	65° 51' 14.287"
6	S20-73	195000	8190000	16° 21' 06.081"	65° 51' 16.646"
7	S20-74	200000	8190000	16° 21' 08.344"	65° 48' 28.324"
8	S20-75	200000	8185000	16° 23' 50.867"	65° 48' 30.652"
9	S20-76	205000	8185000	16° 23' 53.099"	65° 45' 42.285"
10	S20-77	205000	8175000	16° 29' 18.155"	65° 45' 46.885"
11	S20-78	210000	8175000	16° 29' 20.363"	65° 42' 58.432"
12	S20-79	210000	8170000	16° 32' 02.896"	65° 43' 00.704"
13	S20-80	215000	8170000	16° 32' 05.073"	65° 40' 12.205"
14	S20-81	215000	8165000	16° 34' 47.611"	65° 40' 14.445"
15	S20-82	220000	8165000	16° 34' 49.756"	65° 37' 25.900"
16	S20-83	220000	8155000	16° 40' 14.844"	65° 37' 30.322"
17	S20-84	230000	8155000	16° 40' 19.043"	65° 31' 53.054"
18	S20-85	230000	8160000	16° 37' 36.488"	65° 31' 50.918"
19	S20-86	240000	8160000	16° 37' 40.524"	65° 26' 13.702"
20	S20-87	240000	8150000	16° 43' 05.657"	65° 26' 17.822"
21	S20-88	260000	8150000	16° 43' 13.317"	65° 15' 02.999"
22	S20-89	260000	8105000	17° 07' 36.575"	65° 15' 20.409"
23	S20-90	235000	8105000	17° 07' 26.656"	65° 29' 25.731"
24	S20-91	235000	8110000	17° 04' 44.102"	65° 29' 23.569"
25	S20-92	230000	8110000	17° 04' 42.007"	65° 32' 12.574"
26	S20-93	230000	8115000	17° 01' 59.458"	65° 32' 10.378"
27	S20-94	225000	8115000	17° 01' 57.330"	65° 34' 59.335"
28	S20-95	225000	8130000	16° 53' 49.698"	65° 34' 52.668"
29	S20-96	220000	8130000	16° 53' 47.549"	65° 37' 41.497"
30	S20-97	220000	8135000	16° 51' 05.009"	65° 37' 39.248"
31	S20-98	215000	8135000	16° 51' 02.828"	65° 40' 28.031"
32	S20-99	215000	8140000	16° 48' 20.294"	65° 40' 25.749"
33	S20-100	210000	8140000	16° 48' 18.080"	65° 43' 14.485"
34	S20-101	210000	8145000	16° 45' 35.551"	65° 43' 12.170"
35	S20-102	205000	8145000	16° 45' 33.305"	65° 46' 00.859"
36	S20-103	205000	8150000	16° 42' 50.782"	65° 45' 58.512"
37	S20-104	200000	8150000	16° 42' 48.505"	65° 48' 47.154"
38	S20-105	200000	8155000	16° 40' 05.988"	65° 48' 44.774"
39	S20-106	195000	8155000	16° 40' 03.679"	65° 51' 33.369"
40	S20-107	195000	8160000	16° 37' 21.167"	65° 51' 30.958"
41	S20-108	190000	8160000	16° 37' 18.827"	65° 54' 19.506"
42	S20-109	190000	8165000	16° 34' 36.321"	65° 54' 17.063"
43	S20-110	185000	8165000	16° 34' 33.950"	65° 57' 05.565"
44	S20-111	185000	8175000	16° 29' 08.950"	65° 57' 00.623"
45	S20-112	179674.560	8175000	16° 29' 06.330"	66° 00' 00.000"
46	S20-113	179600.321	8180000	16° 26' 23.800"	66° 00' 00.000"
47	S20-114	179231.999	8205000	16° 12' 51.130"	66° 00' 00.000"
				AREA (HA): 306,640.88	
				PARCELAS: 122.66	

**COORDENADAS DE LOS VERTICES**  
**AREA DE OPERACIÓN RESERVADA PARA YPFB**

N°5 CEDRO					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	CDR-1 (PP)	500000	8045000	17° 40' 54.299"	63° 00' 00.000"
2	CDR-2	500000	8064000	17° 30' 36.039"	63° 00' 00.000"
3	CDR-3	479000	8064000	17° 30' 35.684"	63° 11' 52.162"
4	CDR-4	479000	8063000	17° 31' 08.224"	63° 11' 52.197"
5	CDR-5	478000	8063000	17° 31' 08.190"	63° 12' 26.111"
6	CDR-6	478000	8062000	17° 31' 40.730"	63° 12' 26.148"
7	CDR-7	477000	8062000	17° 31' 40.693"	63° 13' 00.063"
8	CDR-8	477000	8060000	17° 32' 45.774"	63° 13' 00.141"
9	CDR-9	476000	8060000	17° 32' 45.735"	63° 13' 34.060"
10	CDR-10	476000	8058000	17° 33' 50.815"	63° 13' 34.140"
11	CDR-11	473000	8058000	17° 33' 50.692"	63° 15' 15.907"
12	CDR-12	473000	8059000	17° 33' 18.152"	63° 15' 15.862"
13	CDR-13	471000	8059000	17° 33' 18.062"	63° 16' 23.703"
14	CDR-14	471000	8060000	17° 32' 45.522"	63° 16' 23.654"
15	CDR-15	470000	8060000	17° 32' 45.474"	63° 16' 57.573"
16	CDR-16	470000	8061000	17° 32' 12.934"	63° 16' 57.522"
17	CDR-17	468000	8061000	17° 32' 12.835"	63° 18' 05.357"
18	CDR-18	468000	8062000	17° 31' 40.295"	63° 18' 05.303"
19	CDR-19	467000	8062000	17° 31' 40.242"	63° 18' 39.218"
20	CDR-20	467000	8063000	17° 31' 07.703"	63° 18' 39.163"
21	CDR-21	465000	8063000	17° 31' 07.593"	63° 19' 46.990"
22	CDR-22	465000	8064000	17° 30' 35.054"	63° 19' 46.932"
23	CDR-23	444000	8064000	17° 30' 33.516"	63° 31' 39.072"
24	CDR-24	444000	8063000	17° 31' 06.054"	63° 31' 39.166"
25	CDR-25	446000	8063000	17° 31' 06.231"	63° 30' 31.341"
26	CDR-26	446000	8062000	17° 31' 38.770"	63° 30' 31.432"
27	CDR-27	448000	8062000	17° 31' 38.941"	63° 29' 23.603"
28	CDR-28	448000	8058000	17° 33' 49.097"	63° 29' 23.952"
29	CDR-29	447000	8058000	17° 33' 49.012"	63° 29' 57.873"
30	CDR-30	447000	8056000	17° 34' 54.090"	63° 29' 58.052"
31	CDR-31	444000	8056000	17° 34' 53.826"	63° 31' 39.825"
32	CDR-32	444000	8057000	17° 34' 21.287"	63° 31' 39.731"
33	CDR-33	442000	8057000	17° 34' 21.103"	63° 32' 47.576"
34	CDR-34	442000	8058000	17° 33' 48.564"	63° 32' 47.479"
35	CDR-35	439000	8058000	17° 33' 48.276"	63° 34' 29.241"
36	CDR-36	439000	8059000	17° 33' 15.737"	63° 34' 29.139"
37	CDR-37	436000	8059000	17° 33' 15.435"	63° 36' 10.896"
38	CDR-38	436000	8060000	17° 32' 42.896"	63° 36' 10.788"
39	CDR-39	420000	8060000	17° 32' 41.038"	63° 45' 13.454"
40	CDR-40	420000	8055000	17° 35' 23.724"	63° 45' 14.127"
41	CDR-41	425000	8055000	17° 35' 24.351"	63° 42' 24.504"
42	CDR-42	425000	8050000	17° 38' 07.038"	63° 42' 25.138"
43	CDR-43	430000	8050000	17° 38' 07.626"	63° 39' 35.470"
44	CDR-44	430000	8045000	17° 40' 50.314"	63° 39' 36.063"
				AREA (HA):	124,275.00
				PARCELAS:	49.71

**Observaciones:** Del área total ( 126,100,00 Has. ) se excluyó el área del Campo Warnes (1.825,00 Has.), que se encuentra incluido dentro el perímetro del Bloque Cedro, quedando el área deducida en:  
**124.275,00 Has.**

**COORDENADAS DE LOS VERTICES**

Operador: Canadian Energy Interprices

N° 20 WARNES					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	WRN-1 (PP)	486500	8063000	17° 31' 08.433"	63° 07' 37.842"
2	WRN-2	486500	8062000	17° 31' 40.973"	63° 07' 37.864"
3	WRN-3	487000	8062000	17° 31' 40.984"	63° 07' 20.906"
4	WRN-4	487000	8061500	17° 31' 57.254"	63° 07' 20.917"
5	WRN-5	487500	8061500	17° 31' 57.264"	63° 07' 03.959"
6	WRN-6	487500	8061000	17° 32' 13.534"	63° 07' 03.969"
7	WRN-7	488000	8061000	17° 32' 13.544"	63° 06' 47.011"
8	WRN-8	488000	8060500	17° 32' 29.814"	63° 06' 47.021"
9	WRN-9	488500	8060500	17° 32' 29.823"	63° 06' 30.061"
10	WRN-10	488500	8060000	17° 32' 46.094"	63° 06' 30.071"
11	WRN-11	489000	8060000	17° 32' 46.103"	63° 06' 13.112"
12	WRN-12	489000	8059000	17° 33' 18.643"	63° 06' 13.130"
13	WRN-13	489500	8059000	17° 33' 18.651"	63° 05' 56.170"
14	WRN-14	489500	8058500	17° 33' 34.921"	63° 05' 56.178"
15	WRN-15	490000	8058500	17° 33' 34.930"	63° 05' 39.218"
16	WRN-16	490000	8058000	17° 33' 51.200"	63° 05' 39.226"
17	WRN-17	491000	8058000	17° 33' 51.215"	63° 05' 05.303"
18	WRN-18	491000	8055500	17° 35' 12.565"	63° 05' 05.341"
19	WRN-19	490000	8055500	17° 35' 12.549"	63° 05' 39.268"
20	WRN-20	490000	8056000	17° 34' 56.280"	63° 05' 39.260"
21	WRN-21	489500	8056000	17° 34' 56.271"	63° 05' 56.223"
22	WRN-22	489500	8056500	17° 34' 40.001"	63° 05' 56.214"
23	WRN-23	489000	8056500	17° 34' 39.993"	63° 06' 13.176"
24	WRN-24	489000	8057000	17° 34' 23.723"	63° 06' 13.167"
25	WRN-25	488500	8057000	17° 34' 23.714"	63° 06' 30.129"
26	WRN-26	488500	8057500	17° 34' 07.443"	63° 06' 30.119"
27	WRN-27	488000	8057500	17° 34' 07.434"	63° 06' 47.081"
28	WRN-28	488000	8058000	17° 33' 51.164"	63° 06' 47.071"
29	WRN-29	487500	8058000	17° 33' 51.154"	63° 07' 04.032"
30	WRN-30	487500	8058500	17° 33' 34.884"	63° 07' 04.022"
31	WRN-31	486500	8058500	17° 33' 34.863"	63° 07' 37.943"
32	WRN-32	486500	8059500	17° 33' 02.323"	63° 07' 37.921"
33	WRN-33	486000	8059500	17° 33' 02.312"	63° 07' 54.881"
34	WRN-34	486000	8060000	17° 32' 46.042"	63° 07' 54.869"
35	WRN-35	485500	8060000	17° 32' 46.031"	63° 08' 11.829"
36	WRN-36	485500	8060500	17° 32' 29.760"	63° 08' 11.817"
37	WRN-37	485000	8060500	17° 32' 29.748"	63° 08' 28.775"
38	WRN-38	485000	8061000	17° 32' 13.479"	63° 08' 28.763"
39	WRN-39	484500	8061000	17° 32' 13.466"	63° 08' 45.722"
40	WRN-40	484500	8063000	17° 31' 08.386"	63° 08' 45.669"
				AREA (HA):	1,825.00
				PARCELAS:	0.73

**Observaciones.-** Area de Explotación del Campo Warnes (1.825,00 Has.) no incluida en el Bloque Cedro

**COORDENADAS DE LOS VERTICES**

**AREA DE OPERACIÓN RESERVADA PARA YPFB**

N°6 ALMENDRO				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	ALM-1(PP)	530000	8045000	17° 40' 53.567"	62° 43' 01.667"
2	ALM-2	530000	8022500	17° 53' 05.693"	62° 43' 00.514"
3	ALM-3	497500	8022500	17° 53' 06.429"	63° 01' 24.957"
4	ALM-4	497500	8018500	17° 55' 16.585"	63° 01' 24.975"
5	ALM-5	500000	8018500	17° 55' 16.590"	63° 00' 00.000"
6	ALM-6	500000	8010000	17° 59' 53.169"	63° 00' 00.000"
7	ALM-7	502500	8010000	17° 59' 53.164"	62° 58' 34.989"
8	ALM-8	502500	8000000	18° 05' 18.549"	62° 58' 34.945"
9	ALM-9	490000	8000000	18° 05' 18.470"	63° 05' 40.219"
10	ALM-10	490000	8010000	17° 59' 53.086"	63° 05' 40.046"
11	ALM-11	495000	8010000	17° 59' 53.148"	63° 02' 50.023"
12	ALM-12	495000	8015000	17° 57' 10.455"	63° 02' 49.980"
13	ALM-13	490000	8015000	17° 57' 10.393"	63° 05' 39.959"
14	ALM-14	490000	8027500	17° 50' 23.657"	63° 05' 39.744"
15	ALM-15	497500	8027500	17° 50' 23.733"	63° 01' 24.936"
16	ALM-16	497500	8045000	17° 40' 54.294"	63° 01' 24.861"
				AREA (HA):	98,375.00
				PARCELAS:	39.35

**Observaciones:-**

El área total del bloque Almendro incluye el área del Campo Palmar-1 de **7.087,50 Has.**  
(2,84 Parcelas).



**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

Nº 7 AZERO					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	AZO-1 (PP)	440000	7902500	18° 58' 07.737"	63° 34' 11.766"
2	AZO-2	440000	7862500	19° 19' 49.057"	63° 34' 16.239"
3	AZO-3	437500	7862500	19° 19' 48.783"	63° 35' 41.912"
4	AZO-4	437500	7842500	19° 30' 39.421"	63° 35' 44.282"
5	AZO-5	430000	7842500	19° 30' 38.523"	63° 40' 01.583"
6	AZO-6	430000	7832500	19° 36' 03.833"	63° 40' 02.921"
7	AZO-7	422500	7832500	19° 36' 02.828"	63° 44' 20.361"
8	AZO-8	422500	7810000	19° 48' 14.752"	63° 44' 23.724"
9	AZO-9	410000	7810000	19° 48' 12.829"	63° 51' 33.323"
10	AZO-10	410000	7800000	19° 53' 38.113"	63° 51' 35.074"
11	AZO-11	395000	7800000	19° 53' 35.414"	64° 00' 10.866"
12	AZO-12	395000	7767500	20° 11' 12.522"	64° 00' 17.582"
13	AZO-13	405000	7767500	20° 11' 14.397"	63° 54' 33.085"
14	AZO-14	405000	7762500	20° 13' 57.031"	63° 54' 34.030"
15	AZO-15	400000	7762500	20° 13' 56.114"	63° 57' 26.329"
16	AZO-16	400000	7725000	20° 34' 15.820"	63° 57' 33.873"
17	AZO-17	380000	7725000	20° 34' 11.610"	64° 09' 04.552"
18	AZO-18	380000	7720000	20° 36' 54.224"	64° 09' 05.773"
19	AZO-19	370000	7720000	20° 36' 51.826"	64° 14' 51.194"
20	AZO-20	370000	7740000	20° 26' 01.389"	64° 14' 45.926"
21	AZO-21	365000	7740000	20° 26' 00.130"	64° 17' 38.429"
22	AZO-22	365000	7755000	20° 17' 52.302"	64° 17' 34.364"
23	AZO-23	375000	7755000	20° 17' 54.754"	64° 11' 49.655"
24	AZO-24	375000	7795000	19° 56' 13.794"	64° 11' 39.768"
25	AZO-25	365000	7795000	19° 56' 11.389"	64° 17' 23.686"
26	AZO-26	365000	7810000	19° 48' 03.533"	64° 17' 19.742"
27	AZO-27	380000	7810000	19° 48' 07.044"	64° 08' 44.297"
28	AZO-28	380000	7820000	19° 42' 41.785"	64° 08' 41.975"
29	AZO-29	370000	7820000	19° 42' 39.501"	64° 14' 25.415"
30	AZO-30	370000	7825000	19° 39' 56.876"	64° 14' 24.163"
31	AZO-31	365000	7825000	19° 39' 55.669"	64° 17' 15.830"
32	AZO-32	365000	7840000	19° 31' 47.797"	64° 17' 11.950"
33	AZO-33	370000	7840000	19° 31' 48.995"	64° 14' 20.427"
34	AZO-34	370000	7845000	19° 29' 06.367"	64° 14' 19.188"
35	AZO-35	385000	7845000	19° 29' 09.683"	64° 05' 44.741"
36	AZO-36	385000	7860000	19° 21' 01.767"	64° 05' 41.473"
37	AZO-37	370000	7860000	19° 20' 58.476"	64° 14' 15.494"
38	AZO-38	370000	7880000	19° 10' 07.944"	64° 14' 10.615"
39	AZO-39	385000	7880000	19° 10' 11.202"	64° 05' 37.157"
40	AZO-40	385000	7902500	18° 57' 59.300"	64° 05' 32.359"
41	AZO-41	440000	7902500	18° 58' 07.737"	63° 34' 11.766"
				AREA (HA):	785,625.00
				PARCELAS:	314.25

**COORDENADAS DE LOS VERTICES**

**AREA DE OPERACIÓN RESERVADA PARA YPFB**

N° 8 CAROHUAICHO					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	CAH-1 (PP)	470000	7902500	18° 58' 10.104"	63° 17' 05.897"
2	CAH-2	470000	7870000	19° 15' 47.470"	63° 17' 07.711"
3	CAH-3	462500	7870000	19° 15' 47.019"	63° 21' 24.635"
4	CAH-4	462500	7860000	19° 21' 12.353"	63° 21' 25.341"
5	CAH-5	465000	7860000	19° 21' 12.515"	63° 19' 59.652"
6	CAH-6	465000	7845000	19° 29' 20.512"	63° 20' 00.648"
7	CAH-7	470000	7845000	19° 29' 20.805"	63° 17' 09.128"
8	CAH-8	470000	7800000	19° 53' 44.758"	63° 17' 11.730"
9	CAH-9	472500	7800000	19° 53' 44.891"	63° 15' 45.753"
10	CAH-10	472500	7795000	19° 56' 27.548"	63° 15' 46.022"
11	CAH-11	455000	7795000	19° 56' 26.375"	63° 25' 48.026"
12	CAH-12	455000	7780000	20° 04' 34.334"	63° 25' 49.352"
13	CAH-13	460000	7780000	20° 04' 34.730"	63° 22' 57.205"
14	CAH-14	460000	7725000	20° 34' 23.859"	63° 23' 01.611"
15	CAH-15	437500	7725000	20° 34' 21.652"	63° 35' 58.740"
16	CAH-16	437500	7732500	20° 30' 17.694"	63° 35' 57.790"
17	CAH-17	440000	7732500	20° 30' 17.986"	63° 34' 31.481"
18	CAH-18	440000	7755000	20° 18' 06.096"	63° 34' 28.765"
19	CAH-19	442500	7755000	20° 18' 06.373"	63° 33' 02.570"
20	CAH-20	442500	7767500	20° 11' 19.759"	63° 33' 01.137"
21	CAH-21	437500	7767500	20° 11' 19.197"	63° 35' 53.403"
22	CAH-22	437500	7760000	20° 15' 23.163"	63° 35' 54.336"
23	CAH-23	435000	7760000	20° 15' 22.864"	63° 37' 20.506"
24	CAH-24	435000	7750000	20° 20' 48.149"	63° 37' 21.806"
25	CAH-25	430000	7750000	20° 20' 47.511"	63° 40' 14.244"
26	CAH-26	430000	7805000	19° 50' 58.417"	63° 40' 06.638"
27	CAH-27	430500	7805000	19° 50' 58.482"	63° 39' 49.449"
28	CAH-28	430500	7807500	19° 49' 37.157"	63° 39' 49.111"
29	CAH-29	432500	7807500	19° 49' 37.408"	63° 38' 40.363"
30	CAH-30	432500	7825000	19° 40' 08.126"	63° 38' 38.079"
31	CAH-31	431000	7825000	19° 40' 07.940"	63° 39' 29.589"
32	CAH-32	431000	7841500	19° 31' 11.180"	63° 39' 27.408"
33	CAH-33	430000	7841500	19° 31' 11.054"	63° 40' 01.717"
34	CAH-34	430000	7842500	19° 30' 38.523"	63° 40' 01.583"
35	CAH-35	435000	7842500	19° 30' 39.133"	63° 37' 10.049"
36	CAH-36	435000	7800000	19° 53' 41.689"	63° 37' 15.377"
37	CAH-37	445000	7800000	19° 53' 42.797"	63° 31' 31.484"
38	CAH-38	445000	7820000	19° 42' 52.179"	63° 31' 29.350"
39	CAH-39	440000	7820000	19° 42' 51.653"	63° 34' 21.103"
40	CAH-40	440000	7842500	19° 30' 39.698"	63° 34' 18.513"
41	CAH-41	447500	7842500	19° 30' 40.460"	63° 30' 01.207"
42	CAH-42	447500	7860000	19° 21' 11.144"	63° 29' 59.465"
43	CAH-43	437500	7860000	19° 21' 10.113"	63° 35' 42.207"
44	CAH-44	437500	7862500	19° 19' 48.783"	63° 35' 41.912"
45	CAH-45	440000	7862500	19° 19' 49.057"	63° 34' 16.239"
46	CAH-46	440000	7902500	18° 58' 07.737"	63° 34' 11.766"
				AREA (HA):	456,975.00
				PARCELAS:	182.79

**Observaciones:** Del área total ( 475.725 Has. ) se excluyó el área del Campo Tatarenda (5.000,00 Has.), y el área del Campo Camiri ( 13.750,00 Has.) que se encuentra incluido dentro del Bloque Carohuaicho, quedando el área deducida en 456.975,00 Has.

FORMULARIO 2

**COORDENADAS DE LOS VERTICES**

**AREA DE EXPLOTACION CAMPO TATARENDA**

OPERADOR: Matpetrol.S.A.

N°24 TATARENDA					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	TTR-1(PP)	447000	7889000	19° 05' 27.636"	63° 30' 13.724"
2	TTR-2	447000	7879000	19° 10' 52.971"	63° 30' 14.711"
3	TTR-3	442000	7879000	19° 10' 52.478"	63° 33' 05.905"
4	TTR-4	442000	7889000	19° 05' 27.146"	63° 33' 04.825"
				AREA (HA):	5,000.00
				PARCELAS:	2.00

FORMULARIO 2

**COORDENADAS DE LOS VERTICES**

**AREA DE EXPLOTACION CAMPO CAMIRI**

OPERADOR: Andina S.A.

N°3 CAMIRI					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	CAM-1(PP)	445000	7790000	19° 59' 08.101"	63° 31' 32.560"
2	CAM-2	445000	7775000	20° 07' 16.051"	63° 31' 34.186"
3	CAM-3	442500	7775000	20° 07' 15.788"	63° 33' 00.282"
4	CAM-4	442500	7770000	20° 09' 58.436"	63° 33' 00.852"
5	CAM-5	437500	7770000	20° 09' 57.874"	63° 35' 53.093"
6	CAM-6	437500	7790000	19° 59' 07.283"	63° 35' 50.627"
				AREA (HA):	13,750.00
				PARCELAS:	5.50

FORMULARIO 2

**COORDENADAS DE LOS VERTICES**

**AREA DE OPERACIÓN RESERVADA PARA YPFB**

N°9 IÑAU					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	IÑA-1(PP)	420000	7810000	19° 48' 14.390"	63° 45' 49.645"
2	IÑA-2	420000	7770000	20° 09' 55.538"	63° 45' 55.923"
3	IÑA-3	430000	7770000	20° 09' 56.943"	63° 40' 11.452"
4	IÑA-4	430000	7740000	20° 26' 12.789"	63° 40' 15.651"
5	IÑA-5	410000	7740000	20° 26' 09.749"	63° 51' 45.785"
6	IÑA-6	410000	7810000	19° 48' 12.829"	63° 51' 33.323"
				AREA (HA):	100,000.00
				PARCELAS:	40.00

**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°10 SAUCE MAYU					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	SMY-1(PP)	410000	7800000	19° 53' 38.113"	63° 51' 35.074"
2	SMY-2	410000	7767500	20° 11' 15.264"	63° 51' 40.833"
3	SMY-3	395000	7767500	20° 11' 12.522"	64° 00' 17.582"
4	SMY-4	395000	7800000	19° 53' 35.414"	64° 00' 10.866"
				AREA (HA):	45,750.00
				PARCELAS:	18.30

**Observaciones:** Del área total ( 48.750,00 Has. ) se excluyó el área del Campo Monteagudo (3.000,00 Has.), que se encuentra incluido dentro el perímetro del Bloque Sauce Mayu, quedando el área deducida en: 45.750,00 Has.

**COORDENADAS DE LOS VERTICES**

AREA DE EXPLOTACION CAMPO MONTEAGUDO

OPERADOR: REPSOL YPF E&P BOLIVIA S.A.

N°38 MONTEAGUDO					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	MGD-1(PP)	403000	7789000	19° 59' 34.708"	63° 55' 37.868"
2	MGD-2	403000	7779000	20° 04' 59.979"	63° 55' 39.777"
3	MGD-3	400000	7779000	20° 04' 59.428"	63° 57' 23.058"
4	MGD-4	400000	7789000	19° 59' 34.160"	63° 57' 21.090"
				AREA (HA):	3,000.00
				PARCELAS:	1.20

## COORDENADAS DE LOS VERTICES

## AREA DE OPERACIÓN RESERVADA PARA YPFB

N°11 ITACARAY					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	ITC-1(PP)	430000	7740000	20° 26' 12.789"	63° 40' 15.651"
2	ITC-2	430000	7725000	20° 34' 20.701"	63° 40' 17.776"
3	ITC-3	427500	7725000	20° 34' 20.360"	63° 41' 44.121"
4	ITC-4	427500	7715000	20° 39' 45.628"	63° 41' 45.598"
5	ITC-5	420000	7715000	20° 39' 44.528"	63° 46' 04.781"
6	ITC-6	420000	7692500	20° 51' 56.358"	63° 46' 08.481"
7	ITC-7	405000	7692500	20° 51' 53.807"	63° 54' 47.526"
8	ITC-8	405000	7705000	20° 45' 07.252"	63° 54' 45.078"
9	ITC-9	410000	7705000	20° 45' 08.146"	63° 51' 52.195"
10	ITC-10	410000	7722500	20° 35' 38.953"	63° 51' 48.975"
11	ITC-11	420000	7722500	20° 35' 40.581"	63° 46' 03.558"
12	ITC-12	420000	7740000	20° 26' 11.364"	63° 46' 00.722"
AREA (HA):					58,750.00
PARCELAS:					23.50

FORMULARIO 2

## COORDENADAS DE LOS VERTICES

## AREA DE OPERACIÓN RESERVADA PARA YPFB

N°12 HUACARETA					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	HCT-1(PP)	410000	7730000	20° 31' 35.009"	63° 51' 47.604"
2	HCT-2	410000	7705000	20° 45' 08.146"	63° 51' 52.195"
3	HCT-3	405000	7705000	20° 45' 07.252"	63° 54' 45.078"
4	HCT-4	405000	7652500	21° 13' 34.746"	63° 54' 55.468"
5	HCT-5	385000	7652500	21° 13' 30.587"	64° 06' 29.161"
6	HCT-6	385000	7605000	21° 39' 15.286"	64° 06' 40.842"
7	HCT-7	380000	7605000	21° 39' 14.096"	64° 09' 34.766"
8	HCT-8	380000	7595000	21° 44' 39.280"	64° 09' 37.371"
9	HCT-9	377500	7595000	21° 44' 38.664"	64° 11' 04.385"
10	HCT-10	377500	7590000	21° 47' 21.253"	64° 11' 05.720"
11	HCT-11	360000	7590000	21° 47' 16.572"	64° 21' 14.987"
12	HCT-12	360000	7600000	21° 41' 51.414"	64° 21' 11.940"
13	HCT-13	355000	7600000	21° 41' 49.969"	64° 24' 05.899"
14	HCT-14	355000	7620000	21° 30' 59.655"	64° 23' 59.637"
15	HCT-15	360000	7620000	21° 31' 01.087"	64° 21' 05.894"
16	HCT-16	360000	7640000	21° 20' 10.746"	64° 20' 59.911"
17	HCT-17	370000	7640000	21° 20' 13.435"	64° 15' 12.840"
18	HCT-18	370000	7655000	21° 12' 05.651"	64° 15' 08.711"
19	HCT-19	360000	7655000	21° 12' 02.980"	64° 20' 55.465"
20	HCT-20	360000	7670000	21° 03' 55.207"	64° 20' 51.054"
21	HCT-21	365000	7670000	21° 03' 56.557"	64° 17' 57.836"
22	HCT-22	365000	7690000	20° 53' 06.167"	64° 17' 52.217"
23	HCT-23	360000	7690000	20° 53' 04.829"	64° 20' 45.227"
24	HCT-24	360000	7700000	20° 47' 39.636"	64° 20' 42.337"
25	HCT-25	365000	7700000	20° 47' 40.967"	64° 17' 49.430"
26	HCT-26	365000	7720000	20° 36' 50.556"	64° 17' 43.900"
27	HCT-27	380000	7720000	20° 36' 54.224"	64° 09' 05.773"
28	HCT-28	380000	7725000	20° 34' 11.610"	64° 09' 04.552"
29	HCT-29	400000	7725000	20° 34' 15.820"	63° 57' 33.873"
30	HCT-30	400000	7730000	20° 31' 33.196"	63° 57' 32.859"
AREA (HA):					453,750.00
PARCELAS:					181.50

## COORDENADAS DE LOS VERTICES

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°13 TIACIA					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	TCA-1 (PP)	450000	7725000	20° 34' 22.998"	63° 28' 47.005"
2	TCA-2	450000	7720000	20° 37' 05.639"	63° 28' 47.514"
3	TCA-3	447500	7720000	20° 37' 05.393"	63° 30' 13.887"
4	TCA-4	447500	7715000	20° 39' 48.032"	63° 30' 14.423"
5	TCA-5	445000	7715000	20° 39' 47.774"	63° 31' 40.821"
6	TCA-6	445000	7705000	20° 45' 13.049"	63° 31' 41.948"
7	TCA-7	442500	7705000	20° 45' 12.777"	63° 33' 08.397"
8	TCA-8	442500	7695000	20° 50' 38.048"	63° 33' 09.581"
9	TCA-9	440000	7695000	20° 50' 37.763"	63° 34' 36.082"
10	TCA-10	440000	7690000	20° 53' 20.396"	63° 34' 36.702"
11	TCA-11	437500	7690000	20° 53' 20.098"	63° 36' 03.228"
12	TCA-12	437500	7677500	21° 00' 06.676"	63° 36' 04.851"
13	TCA-13	437000	7677500	21° 00' 06.614"	63° 36' 22.170"
14	TCA-14	437000	7676500	21° 00' 39.140"	63° 36' 22.301"
15	TCA-15	436500	7676500	21° 00' 39.078"	63° 36' 39.620"
16	TCA-16	436500	7674500	21° 01' 44.130"	63° 36' 39.885"
17	TCA-17	436000	7674500	21° 01' 44.068"	63° 36' 57.206"
18	TCA-18	436000	7672000	21° 03' 05.382"	63° 36' 57.540"
19	TCA-19	435500	7672000	21° 03' 05.319"	63° 37' 14.864"
20	TCA-20	435500	7669000	21° 04' 42.896"	63° 37' 15.269"
21	TCA-21	435000	7669000	21° 04' 42.832"	63° 37' 32.596"
22	TCA-22	435000	7667500	21° 05' 31.620"	63° 37' 32.800"
23	TCA-23	434500	7667500	21° 05' 31.556"	63° 37' 50.129"
24	TCA-24	434500	7666500	21° 06' 04.082"	63° 37' 50.266"
25	TCA-25	434000	7666500	21° 06' 04.017"	63° 38' 07.596"
26	TCA-26	434000	7664500	21° 07' 09.068"	63° 38' 07.872"
27	TCA-27	433000	7664500	21° 07' 08.937"	63° 38' 42.535"
28	TCA-28	433000	7662500	21° 08' 13.987"	63° 38' 42.817"
29	TCA-29	432500	7662500	21° 08' 13.921"	63° 39' 00.150"
30	TCA-30	432500	7655000	21° 12' 17.859"	63° 39' 01.216"
31	TCA-31	431000	7655000	21° 12' 17.656"	63° 39' 53.241"
32	TCA-32	431000	7652500	21° 13' 38.968"	63° 39' 53.605"
33	TCA-33	430500	7652500	21° 13' 38.900"	63° 40' 10.949"
34	TCA-34	430500	7651500	21° 14' 11.424"	63° 40' 11.096"
35	TCA-35	430000	7651500	21° 14' 11.355"	63° 40' 28.441"
36	TCA-36	430000	7645000	21° 17' 42.765"	63° 40' 29.404"
37	TCA-37	429000	7645000	21° 17' 42.624"	63° 41' 04.108"
38	TCA-38	429000	7641500	21° 19' 36.459"	63° 41' 04.636"
39	TCA-39	428000	7641500	21° 19' 36.317"	63° 41' 39.347"
40	TCA-40	428000	7640000	21° 20' 25.103"	63° 41' 39.576"
41	TCA-41	427500	7640000	21° 20' 25.031"	63° 41' 56.934"
42	TCA-42	427500	7637500	21° 21' 46.341"	63° 41' 57.319"
43	TCA-43	427000	7637500	21° 21' 46.269"	63° 42' 14.679"
44	TCA-44	427000	7635000	21° 23' 07.579"	63° 42' 15.068"
45	TCA-45	426500	7635000	21° 23' 07.505"	63° 42' 32.430"
46	TCA-46	426500	7632500	21° 24' 28.815"	63° 42' 32.822"
47	TCA-47	426000	7632500	21° 24' 28.741"	63° 42' 50.188"
48	TCA-48	426000	7630500	21° 25' 33.788"	63° 42' 50.504"
49	TCA-49	425500	7630500	21° 25' 33.714"	63° 43' 07.871"
50	TCA-50	425500	7630000	21° 25' 49.976"	63° 43' 07.950"
51	TCA-51	412500	7630000	21° 25' 47.868"	63° 50' 39.504"
52	TCA-52	412500	7630500	21° 25' 31.607"	63° 50' 39.411"
53	TCA-53	415000	7630500	21° 25' 32.039"	63° 49' 12.578"
54	TCA-54	415000	7637500	21° 21' 44.378"	63° 49' 11.308"
55	TCA-55	414500	7637500	21° 21' 44.293"	63° 49' 28.668"
56	TCA-56	414500	7645000	21° 17' 40.369"	63° 49' 27.305"
57	TCA-57	417500	7645000	21° 17' 40.870"	63° 47' 43.197"
58	TCA-58	417500	7650500	21° 14' 41.990"	63° 47' 42.236"
59	TCA-59	419500	7650500	21° 14' 42.314"	63° 46' 32.853"
60	TCA-60	419500	7655000	21° 12' 15.956"	63° 46' 32.088"
61	TCA-61	424500	7655000	21° 12' 16.727"	63° 43' 38.678"
62	TCA-62	424500	7662500	21° 08' 12.793"	63° 43' 37.485"
63	TCA-63	429500	7662500	21° 08' 13.513"	63° 40' 44.152"
64	TCA-64	429500	7680000	20° 58' 44.320"	63° 40' 41.571"
65	TCA-65	432500	7680000	20° 58' 44.725"	63° 38' 57.680"
66	TCA-66	432500	7710000	20° 42' 28.936"	63° 38' 53.498"
67	TCA-67	435000	7710000	20° 42' 29.255"	63° 37' 27.076"
68	TCA-68	435000	7725000	20° 34' 21.347"	63° 37' 25.086"
				AREA (HA):	91,225.00
				PARCELAS:	36.49

**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°14 AGUARAGUE NORTE				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	AGN-1 (PP)	465000	7742500	20° 24' 54.958"	63° 20' 07.673"
2	AGN-2	465000	7717200	20° 38' 37.942"	63° 20' 09.468"
3	AGN-3	460000	7717200	20° 38' 37.582"	63° 23' 02.246"
4	AGN-4	460000	7712200	20° 41' 20.224"	63° 23' 02.655"
5	AGN-5	465000	7712200	20° 41' 20.585"	63° 20' 09.825"
6	AGN-6	465000	7697500	20° 49' 18.749"	63° 20' 10.882"
7	AGN-7	460000	7697500	20° 49' 18.385"	63° 23' 03.863"
8	AGN-8	460000	7680000	20° 58' 47.616"	63° 23' 05.313"
9	AGN-9	458000	7680000	20° 58' 47.455"	63° 24' 14.578"
10	AGN-10	458000	7685000	20° 56' 04.819"	63° 24' 14.141"
11	AGN-11	457500	7685000	20° 56' 04.778"	63° 24' 31.452"
12	AGN-12	457500	7687500	20° 54' 43.460"	63° 24' 31.232"
13	AGN-13	452500	7687500	20° 54' 43.021"	63° 27' 24.314"
14	AGN-14	452500	7685000	20° 56' 04.339"	63° 27' 24.560"
15	AGN-15	450000	7685000	20° 56' 04.101"	63° 28' 51.114"
16	AGN-16	450000	7690000	20° 53' 21.466"	63° 28' 50.595"
17	AGN-17	447500	7690000	20° 53' 21.217"	63° 30' 17.123"
18	AGN-18	447500	7702500	20° 46' 34.627"	63° 30' 15.768"
19	AGN-19	445000	7702500	20° 46' 34.368"	63° 31' 42.231"
20	AGN-20	445000	7700000	20° 47' 55.685"	63° 31' 42.514"
21	AGN-21	442500	7700000	20° 47' 55.413"	63° 33' 08.988"
22	AGN-22	442500	7705000	20° 45' 12.777"	63° 33' 08.397"
23	AGN-23	445000	7705000	20° 45' 13.049"	63° 31' 41.948"
24	AGN-24	445000	7715000	20° 39' 47.774"	63° 31' 40.821"
25	AGN-25	447500	7715000	20° 39' 48.032"	63° 30' 14.423"
26	AGN-26	447500	7720000	20° 37' 05.393"	63° 30' 13.887"
27	AGN-27	450000	7720000	20° 37' 05.639"	63° 28' 47.514"
28	AGN-28	450000	7725000	20° 34' 22.998"	63° 28' 47.005"
29	AGN-29	460000	7725000	20° 34' 23.859"	63° 23' 01.611"
30	AGN-30	460000	7742500	20° 24' 54.602"	63° 23' 00.194"
				AREA (HA):	71,625.00
				PARCELAS:	28.65

**COORDENADAS DE LOS VERTICES**

**AREA DE OPERACIÓN RESERVADA PARA YPFB**

N°14 AGUARAGUE CENTRO					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	AGC-1 (PP)	452500	7672000	21° 03' 07.187"	63° 27' 25.847"
2	AGC-2	452500	7660000	21° 09' 37.504"	63° 27' 27.042"
3	AGC-3	450000	7660000	21° 09' 37.263"	63° 28' 53.727"
4	AGC-4	450000	7645000	21° 17' 45.150"	63° 28' 55.311"
5	AGC-5	460000	7645000	21° 17' 46.044"	63° 23' 08.255"
6	AGC-6	460000	7630000	21° 25' 53.929"	63° 23' 09.533"
7	AGC-7	445000	7630000	21° 25' 52.503"	63° 31' 50.593"
8	AGC-8	445000	7632500	21° 24' 31.191"	63° 31' 50.300"
9	AGC-9	440000	7632500	21° 24' 30.616"	63° 34' 43.957"
10	AGC-10	440000	7635000	21° 23' 09.305"	63° 34' 43.637"
11	AGC-11	437500	7635000	21° 23' 08.999"	63° 36' 10.452"
12	AGC-12	437500	7640000	21° 20' 26.376"	63° 36' 09.786"
13	AGC-13	442500	7640000	21° 20' 26.974"	63° 33' 16.210"
14	AGC-14	442500	7645000	21° 17' 44.348"	63° 33' 15.599"
15	AGC-15	440000	7645000	21° 17' 44.056"	63° 34' 42.361"
16	AGC-16	440000	7655000	21° 12' 18.805"	63° 34' 41.092"
17	AGC-17	442500	7655000	21° 12' 19.095"	63° 33' 14.383"
18	AGC-18	442500	7660000	21° 09' 36.467"	63° 33' 13.777"
19	AGC-19	445000	7660000	21° 09' 36.745"	63° 31' 47.094"
20	AGC-20	445000	7670000	21° 04' 11.485"	63° 31' 45.940"
21	AGC-21	447500	7670000	21° 04' 11.749"	63° 30' 19.309"
22	AGC-22	447500	7672000	21° 03' 06.697"	63° 30' 19.089"
				AREA (HA):	49,125.00
				PARCELAS:	19.65

**Observaciones:** Del área total ( 51.000,00 Has. ) se excluyó el área del Campo Caigua (1.875,00 Has.), que se encuentra incluido dentro el perímetro del Bloque Aguarague Centro, quedando el área deducida en: 49.125,00 Has.

**COORDENADAS DE LOS VERTICES**

**AREA DE EXPLOTACION**

CAMPO: CAIGUA

N°21-2 CAIGUA					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	CAI-1 (PP)	450000	7667500	21° 05' 33.317"	63° 28' 52.939"
2	CAI-2	450000	7660000	21° 09' 37.263"	63° 28' 53.727"
3	CAI-3	447500	7660000	21° 09' 37.010"	63° 30' 20.411"
4	CAI-4	447500	7667500	21° 05' 33.065"	63° 30' 19.584"
				AREA (HA):	1,875.00
				PARCELAS:	0.75



FORMULARIO 2

**COORDENADAS DE LOS VERTICES**

**AREA DE OPERACIÓN RESERVADA PARA YPFB**

N°14 AGUARAGUE SUR A					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	ASA-1(PP)	440000	7635000	21° 23' 09.305"	63° 34' 43.637"
2	ASA-2	440000	7632500	21° 24' 30.616"	63° 34' 43.957"
3	ASA-3	445000	7632500	21° 24' 31.191"	63° 31' 50.300"
4	ASA-4	445000	7630000	21° 25' 52.503"	63° 31' 50.593"
5	ASA-5	450000	7630000	21° 25' 53.028"	63° 28' 56.908"
6	ASA-6	450000	7615000	21° 34' 00.899"	63° 28' 58.517"
7	ASA-7	445000	7615000	21° 34' 00.370"	63° 31' 52.364"
8	ASA-8	445000	7610000	21° 36' 42.990"	63° 31' 52.957"
9	ASA-9	440000	7610000	21° 36' 42.410"	63° 34' 46.856"
10	ASA-10	440000	7612500	21° 35' 21.100"	63° 34' 46.532"
11	ASA-11	435000	7612500	21° 35' 20.470"	63° 37' 40.402"
12	ASA-12	435000	7632500	21° 24' 29.992"	63° 37' 37.612"
13	ASA-13	437500	7632500	21° 24' 30.310"	63° 36' 10.785"
14	ASA-14	437500	7635000	21° 23' 08.999"	63° 36' 10.452"
				AREA (HA):	29,375.00
				PARCELAS:	11.75

FORMULARIO 2

**COORDENADAS DE LOS VERTICES**

**AREA DE OPERACIÓN RESERVADA PARA YPFB**

N°14 AGUARAGUE SUR B					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	ASB-1(PP)	437500	7595000	21° 44' 49.951"	63° 36' 15.837"
2	ASB-2	437500	7585000	21° 50' 15.180"	63° 36' 17.202"
3	ASB-3	432500	7585000	21° 50' 14.515"	63° 39' 11.370"
4	ASB-4	432500	7580000	21° 52' 57.127"	63° 39' 12.109"
5	ASB-5	430000	7580000	21° 52' 56.775"	63° 40' 39.220"
6	ASB-6	430000	7577500	21° 54' 18.080"	63° 40' 39.604"
7	ASB-7	425000	7577500	21° 54' 17.337"	63° 43' 33.851"
8	ASB-8	425000	7585000	21° 50' 13.424"	63° 43' 32.618"
9	ASB-9	427500	7585000	21° 50' 13.800"	63° 42' 05.536"
10	ASB-10	427500	7592500	21° 46' 09.884"	63° 42' 04.348"
11	ASB-11	430000	7592500	21° 46' 10.246"	63° 40' 37.306"
12	ASB-12	430000	7595000	21° 44' 48.940"	63° 40' 36.925"
				AREA (HA):	14,375.00
				PARCELAS:	5.75

**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°15 IÑIGUAZU				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	IÑI-1(PF)	410000	7612500	21° 35' 16.561"	63° 52' 09.722"
2	IÑI-2	410000	7605000	21° 39' 20.473"	63° 52' 11.181"
3	IÑI-3	405000	7605000	21° 39' 19.536"	63° 55' 05.119"
4	IÑI-4	405000	7585000	21° 50' 09.951"	63° 55' 09.255"
5	IÑI-5	400000	7585000	21° 50' 08.955"	63° 58' 03.408"
6	IÑI-6	400000	7565000	22° 00' 59.345"	63° 58' 07.806"
7	IÑI-7	395000	7565000	22° 00' 58.289"	64° 01' 02.176"
8	IÑI-8	395000	7560000	22° 03' 40.882"	64° 01' 03.338"
9	IÑI-9	390000	7560000	22° 03' 39.771"	64° 03' 57.761"
10	IÑI-10	390000	7550000	22° 09' 04.949"	64° 04' 00.205"
11	IÑI-11	380000	7550000	22° 09' 02.562"	64° 09' 49.262"
12	IÑI-12	380000	7562500	22° 02' 16.103"	64° 09' 45.931"
13	IÑI-13	382500	7562500	22° 02' 16.715"	64° 08' 18.737"
14	IÑI-14	382500	7567500	21° 59' 34.128"	64° 08' 17.438"
15	IÑI-15	385000	7567500	21° 59' 34.727"	64° 06' 50.271"
16	IÑI-16	385000	7570000	21° 58' 13.432"	64° 06' 49.637"
17	IÑI-17	392500	7570000	21° 58' 15.148"	64° 02' 28.173"
18	IÑI-18	392500	7587500	21° 48' 46.067"	64° 02' 24.044"
19	IÑI-19	395000	7587500	21° 48' 46.609"	64° 00' 56.984"
20	IÑI-20	395000	7605000	21° 39' 17.512"	64° 00' 52.987"
21	IÑI-21	400000	7605000	21° 39' 18.550"	63° 57' 59.054"
22	IÑI-22	400000	7612500	21° 35' 14.644"	63° 57' 57.433"
				AREA (HA):	64,375.00
				PARCELAS:	25.75

## COORDENADAS DE LOS VERTICES

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°16 SAN TELMO					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	STL-1 (PP)	390000	7605000	21° 39' 16.424"	64° 03' 46.916"
2	STL-2	390000	7590000	21° 47' 24.215"	64° 03' 50.503"
3	STL-3	387500	7590000	21° 47' 23.648"	64° 05' 17.548"
4	STL-4	387500	7580000	21° 52' 48.834"	64° 05' 20.009"
5	STL-5	385000	7580000	21° 52' 48.252"	64° 06' 47.108"
6	STL-6	385000	7575000	21° 55' 30.843"	64° 06' 48.371"
7	STL-7	382500	7575000	21° 55' 30.246"	64° 08' 15.496"
8	STL-8	382500	7570000	21° 58' 12.834"	64° 08' 16.790"
9	STL-9	380000	7570000	21° 58' 12.224"	64° 09' 43.942"
10	STL-10	380000	7550000	22° 09' 02.562"	64° 09' 49.262"
11	STL-11	375000	7550000	22° 09' 01.291"	64° 12' 43.785"
12	STL-12	375000	7545000	22° 11' 43.871"	64° 12' 45.179"
13	STL-13	370000	7545000	22° 11' 42.545"	64° 15' 39.754"
14	STL-14	370000	7540000	22° 14' 25.120"	64° 15' 41.208"
15	STL-15	367500	7540000	22° 14' 24.436"	64° 17' 08.522"
16	STL-16	367500	7520000	22° 25' 14.723"	64° 17' 14.487"
17	STL-17	370000	7520000	22° 25' 15.413"	64° 15' 47.060"
18	STL-18	370000	7515000	22° 27' 57.984"	64° 15' 48.532"
19	STL-19	367500	7515000	22° 27' 57.292"	64° 17' 15.987"
20	STL-20	367500	7507500	22° 32' 01.145"	64° 17' 18.245"
21	STL-21	365000	7507500	22° 32' 00.437"	64° 18' 45.742"
22	STL-22	365000	7505000	22° 33' 21.720"	64° 18' 46.511"
23	STL-23	362500	7505000	22° 33' 20.999"	64° 20' 14.020"
24	STL-24	362500	7502500	22° 34' 42.281"	64° 20' 14.805"
25	STL-25	360000	7502500	22° 34' 41.546"	64° 21' 42.328"
26	STL-26	360000	7500000	22° 36' 02.826"	64° 21' 43.127"
27	STL-27	357500	7500000	22° 36' 02.077"	64° 23' 10.663"
28	STL-28	357500	7490000	22° 41' 27.194"	64° 23' 13.928"
29	STL-29	356875	7490000	22° 41' 27.004"	64° 23' 35.826"
30	STL-30	356875	7491875	22° 40' 26.045"	64° 23' 35.210"
31	STL-31	355625	7491875	22° 40' 25.662"	64° 24' 19.001"
32	STL-32	355625	7492500	22° 40' 05.343"	64° 24' 18.794"
33	STL-33	355000	7492500	22° 40' 05.150"	64° 24' 40.688"
34	STL-34	355000	7497500	22° 37' 22.593"	64° 24' 39.027"
35	STL-35	353750	7497500	22° 37' 22.207"	64° 25' 22.802"
36	STL-36	353750	7500625	22° 35' 40.609"	64° 25' 21.757"
37	STL-37	354375	7500625	22° 35' 40.802"	64° 24' 59.874"
38	STL-38	354375	7502500	22° 34' 39.843"	64° 24' 59.251"
39	STL-39	355000	7502500	22° 34' 40.035"	64° 24' 37.371"
40	STL-40	355000	7508125	22° 31' 37.156"	64° 24' 35.512"
41	STL-41	354375	7508125	22° 31' 36.965"	64° 24' 57.384"
42	STL-42	354375	7509375	22° 30' 56.325"	64° 24' 56.970"
43	STL-43	351875	7509375	22° 30' 55.549"	64° 26' 24.450"
44	STL-44	351875	7510625	22° 30' 14.909"	64° 26' 24.030"
45	STL-45	351250	7510625	22° 30' 14.714"	64° 26' 45.898"
46	STL-46	351250	7511250	22° 29' 54.394"	64° 26' 45.686"
47	STL-47	350000	7511250	22° 29' 54.000"	64° 27' 29.421"
48	STL-48	350000	7512500	22° 29' 13.361"	64° 27' 28.995"
49	STL-49	348750	7512500	22° 29' 12.963"	64° 28' 12.725"
50	STL-50	348750	7513125	22° 28' 52.644"	64° 28' 12.511"
51	STL-51	348125	7513125	22° 28' 52.444"	64° 28' 34.375"
52	STL-52	348125	7516250	22° 27' 10.846"	64° 28' 33.299"
53	STL-53	347500	7516250	22° 27' 10.646"	64° 28' 55.159"
54	STL-54	347500	7518750	22° 25' 49.368"	64° 28' 54.295"
55	STL-55	345000	7518750	22° 25' 48.559"	64° 30' 21.720"
56	STL-56	345000	7525000	22° 22' 25.366"	64° 30' 19.531"
57	STL-57	350000	7525000	22° 22' 26.966"	64° 27' 24.751"
58	STL-58	350000	7550000	22° 08' 54.158"	64° 27' 16.345"
59	STL-59	355000	7550000	22° 08' 55.688"	64° 24' 21.841"
60	STL-60	355000	7570000	21° 58' 05.412"	64° 24' 15.414"
61	STL-61	360000	7570000	21° 58' 06.877"	64° 21' 21.128"
62	STL-62	360000	7580000	21° 52' 41.726"	64° 21' 18.049"
63	STL-63	375000	7580000	21° 52' 45.795"	64° 12' 35.495"
64	STL-64	375000	7585000	21° 50' 03.209"	64° 12' 34.126"
65	STL-65	377500	7585000	21° 50' 03.841"	64° 11' 07.058"
66	STL-66	377500	7595000	21° 44' 38.664"	64° 11' 04.385"
67	STL-67	380000	7595000	21° 44' 39.280"	64° 09' 37.371"
68	STL-68	380000	7605000	21° 39' 14.096"	64° 09' 34.766"
				AREA (HA):	193,359.38
				PARCELAS:	77.34

FORMULARIO 2

**COORDENADAS DE LOS VERTICES**

**AREA DE OPERACIÓN RESERVADA PARA YPFB**

N°17 COIPASA					
Nro.	Vertice	X Utm	Y Utm	Zona: 19	UTM PSAD-56
				Latitud	Longitud
1	CPS-1(PP)	660000	7935000	18° 40' 11.414"	67° 28' 58.726"
2	CPS-2	660000	7900000	18° 59' 09.764"	67° 28' 48.499"
3	CPS-3	675000	7900000	18° 59' 05.356"	67° 20' 15.699"
4	CPS-4	675000	7850000	19° 26' 11.387"	67° 19' 59.332"
5	CPS-5	650000	7850000	19° 26' 18.698"	67° 34' 16.356"
6	CPS-6	650000	7860000	19° 20' 53.462"	67° 34' 19.194"
7	CPS-7	600000	7860000	19° 21' 04.656"	68° 02' 52.576"
8	CPS-8	600000	7930000	18° 43' 07.517"	68° 03' 05.529"
9	CPS-9	640000	7930000	18° 42' 59.222"	67° 40' 19.973"
10	CPS-10	640000	7935000	18° 40' 16.585"	67° 40' 21.240"
				AREA (HA):	515,000.00
				PARCELAS:	206.00

FORMULARIO 2

**COORDENADAS DE LOS VERTICES**

**AREA DE OPERACIÓN RESERVADA PARA YPFB**

N°18 CORREGIDORES					
Nro.	Vertice	X Utm	Y Utm	Zona: 19	UTM PSAD-56
				Latitud	Longitud
1	CRG-1(PP)	755000	7710000	20° 41' 30.690"	66° 33' 07.384"
2	CRG-2	755000	7690000	20° 52' 20.665"	66° 32' 56.894"
3	CRG-3	750000	7690000	20° 52' 23.119"	66° 35' 49.780"
4	CRG-4	750000	7670000	21° 03' 13.102"	66° 35' 39.386"
5	CRG-5	770000	7670000	21° 03' 02.901"	66° 24' 07.055"
6	CRG-6	770000	7650000	21° 13' 52.773"	66° 23' 55.712"
7	CRG-7	750000	7650000	21° 14' 03.070"	66° 35' 28.880"
8	CRG-8	750000	7615000	21° 33' 00.477"	66° 35' 10.227"
9	CRG-9	740000	7615000	21° 33' 05.408"	66° 40' 57.598"
10	CRG-10	740000	7620000	21° 30' 22.913"	66° 41' 00.176"
11	CRG-11	700000	7620000	21° 30' 40.590"	67° 04' 09.487"
12	CRG-12	700000	7680000	20° 58' 10.087"	67° 04' 34.848"
13	CRG-13	670000	7680000	20° 58' 20.932"	67° 21' 53.273"
14	CRG-14	670000	7660000	21° 09' 11.216"	67° 21' 46.161"
15	CRG-15	650000	7660000	21° 09' 17.529"	67° 33' 19.376"
16	CRG-16	650000	7700000	20° 47' 36.828"	67° 33' 31.862"
17	CRG-17	690000	7700000	20° 47' 23.664"	67° 10' 28.833"
18	CRG-18	690000	7710000	20° 41' 58.542"	67° 10' 32.733"
				AREA (HA):	655,000.00
				PARCELAS:	262.00

**COORDENADAS DE LOS VERTICES**

**AREA DE EXPLOTACION**

N°19 CAMPO: BUENA VISTA					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	BVT-1 (PP)	465000	7717200	20° 38' 37.942"	63° 20' 09.468"
2	BVT-2	465000	7712200	20° 41' 20.585"	63° 20' 09.825"
3	BVT-3	460000	7712200	20° 41' 20.224"	63° 23' 02.655"
4	BVT-4	460000	7717200	20° 38' 37.582"	63° 23' 02.246"
				AREA (HA):	2,500.00
				PARCELAS:	1.00

**COORDENADAS DE LOS VERTICES**

**AREA DE EXPLOTACION**

N°20 CAMPO: CAMATINDI					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	CMT-1 (PP)	457500	7687500	20° 54' 43.460"	63° 24' 31.232"
2	CMT-2	457500	7685000	20° 56' 04.778"	63° 24' 31.452"
3	CMT-3	458000	7685000	20° 56' 04.819"	63° 24' 14.141"
4	CMT-4	458000	7680000	20° 58' 47.455"	63° 24' 14.578"
5	CMT-5	455000	7680000	20° 58' 47.200"	63° 25' 58.474"
6	CMT-6	455000	7672500	21° 02' 51.151"	63° 25' 59.178"
7	CMT-7	452500	7672500	21° 02' 50.924"	63° 27' 25.797"
8	CMT-8	452500	7672000	21° 03' 07.187"	63° 27' 25.847"
9	CMT-9	448000	7672000	21° 03' 06.748"	63° 30' 01.765"
10	CMT-10	448000	7680000	20° 58' 46.536"	63° 30' 00.897"
11	CMT-11	450000	7680000	20° 58' 46.736"	63° 28' 51.633"
12	CMT-12	450000	7685000	20° 56' 04.101"	63° 28' 51.114"
13	CMT-13	452500	7685000	20° 56' 04.339"	63° 27' 24.560"
14	CMT-14	452500	7687500	20° 54' 43.021"	63° 27' 24.314"
				AREA (HA):	10.725,00
				PARCELAS:	4,29

**COORDENADAS DE LOS VERTICES**

**AREA DE EXPLOTACION**

N°21 SANANDITA					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	SNN-1 (PP)	440000	7612500	21° 35' 21.100"	63° 34' 46.532"
2	SNN-2	440000	7605000	21° 39' 25.028"	63° 34' 47.505"
3	SNN-3	437500	7605000	21° 39' 24.718"	63° 36' 14.481"
4	SNN-4	437500	7595000	21° 44' 49.951"	63° 36' 15.837"
5	SNN-5	430000	7595000	21° 44' 48.940"	63° 40' 36.925"
6	SNN-6	430000	7600000	21° 42' 06.327"	63° 40' 36.164"
7	SNN-7	432500	7600000	21° 42' 06.675"	63° 39' 09.162"
8	SNN-8	432500	7612500	21° 35' 20.135"	63° 39' 07.336"
				AREA (HA):	11,875.00
				PARCELAS:	4.75

**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°22 ASTILLERO					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	AST-1 (PP)	392500	7545000	22° 11' 48.102"	64° 02' 34.138"
2	AST-2	392500	7542500	22° 13' 09.396"	64° 02' 34.738"
3	AST-3	390000	7542500	22° 13' 08.830"	64° 04' 02.046"
4	AST-4	390000	7540000	22° 14' 30.124"	64° 04' 02.662"
5	AST-5	388750	7540000	22° 14' 29.835"	64° 04' 46.323"
6	AST-6	388750	7536250	22° 16' 31.774"	64° 04' 47.258"
7	AST-7	387500	7536250	22° 16' 31.482"	64° 05' 30.929"
8	AST-8	387500	7533750	22° 17' 52.774"	64° 05' 31.560"
9	AST-9	386250	7533750	22° 17' 52.479"	64° 06' 15.238"
10	AST-10	386250	7531250	22° 19' 13.770"	64° 06' 15.877"
11	AST-11	385000	7531250	22° 19' 13.471"	64° 06' 59.562"
12	AST-12	385000	7525000	22° 22' 36.698"	64° 07' 01.181"
13	AST-13	382500	7525000	22° 22' 36.088"	64° 08' 28.585"
14	AST-14	382500	7522500	22° 23' 57.377"	64° 08' 29.248"
15	AST-15	381250	7522500	22° 23' 57.067"	64° 09' 12.957"
16	AST-16	381250	7517500	22° 26' 39.645"	64° 09' 14.300"
17	AST-17	377500	7517500	22° 26' 38.692"	64° 11' 25.467"
18	AST-18	377500	7515000	22° 27' 59.980"	64° 11' 26.161"
19	AST-19	375000	7515000	22° 27' 59.328"	64° 12' 53.619"
20	AST-20	375000	7530000	22° 19' 51.604"	64° 12' 49.383"
21	AST-21	380000	7530000	22° 19' 52.886"	64° 09' 54.636"
22	AST-22	380000	7540000	22° 14' 27.726"	64° 09' 51.942"
23	AST-23	385000	7540000	22° 14' 28.951"	64° 06' 57.304"
24	AST-24	385000	7545000	22° 11' 46.367"	64° 06' 56.017"
AREA (HA):					21,093.75
PARCELAS:					8.44

**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°23 SUNCHAL					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	SCH-1 (PP)	460000	7625000	21° 28' 36.556"	63° 23' 09.961"
2	SCH-2	460000	7590000	21° 47' 34.916"	63° 23' 12.989"
3	SCH-3	455000	7590000	21° 47' 34.483"	63° 26' 07.110"
4	SCH-4	455000	7577500	21° 54' 21.028"	63° 26' 08.341"
5	SCH-5	445000	7577500	21° 54' 20.002"	63° 31' 56.851"
6	SCH-6	445000	7610000	21° 36' 42.990"	63° 31' 52.957"
7	SCH-7	450000	7610000	21° 36' 43.521"	63° 28' 59.057"
8	SCH-8	450000	7625000	21° 28' 35.653"	63° 28' 57.443"
9	SCH-9	460000	7625000	21° 28' 36.556"	63° 23' 09.961"
10	SCH-10	460000	7590000	21° 47' 34.916"	63° 23' 12.989"
AREA (HA):					57,500.00
PARCELAS:					23.00

**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°24 SAYURENDA					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	SYR-1 (PP)	510000	7665000	21° 06' 56.996"	62° 54' 13.355"
2	SYR-2	510000	7635000	21° 23' 12.799"	62° 54' 12.721"
3	SYR-3	505000	7635000	21° 23' 12.874"	62° 57' 06.360"
4	SYR-4	505000	7637500	21° 21' 51.558"	62° 57' 06.387"
5	SYR-5	501500	7637500	21° 21' 51.581"	62° 59' 07.916"
6	SYR-6	501500	7637000	21° 22' 07.844"	62° 59' 07.914"
7	SYR-7	501000	7637000	21° 22' 07.846"	62° 59' 25.276"
8	SYR-8	501000	7636000	21° 22' 40.372"	62° 59' 25.274"
9	SYR-9	500500	7636000	21° 22' 40.373"	62° 59' 42.637"
10	SYR-10	500500	7635000	21° 23' 12.899"	62° 59' 42.636"
11	SYR-11	499000	7635000	21° 23' 12.898"	63° 00' 34.728"
12	SYR-12	499000	7633500	21° 24' 01.688"	63° 00' 34.731"
13	SYR-13	497000	7633500	21° 24' 01.680"	63° 01' 44.193"
14	SYR-14	497000	7630500	21° 25' 39.258"	63° 01' 44.213"
15	SYR-15	498000	7630500	21° 25' 39.263"	63° 01' 09.475"
16	SYR-16	498000	7625500	21° 28' 21.894"	63° 01' 09.497"
17	SYR-17	496500	7625500	21° 28' 21.885"	63° 02' 01.619"
18	SYR-18	496500	7625000	21° 28' 38.148"	63° 02' 01.623"
19	SYR-19	495000	7625000	21° 28' 38.135"	63° 02' 53.747"
20	SYR-20	495000	7615000	21° 34' 03.393"	63° 02' 53.854"
21	SYR-21	490000	7615000	21° 34' 03.318"	63° 05' 47.708"
22	SYR-22	490000	7610000	21° 36' 45.945"	63° 05' 47.816"
23	SYR-23	480000	7610000	21° 36' 45.642"	63° 11' 35.631"
24	SYR-24	480000	7625000	21° 28' 37.759"	63° 11' 34.985"
25	SYR-25	485000	7625000	21° 28' 37.935"	63° 08' 41.239"
26	SYR-26	485000	7655000	21° 12' 22.143"	63° 08' 40.282"
27	SYR-27	500000	7655000	21° 12' 22.366"	63° 00' 00.000"
28	SYR-28	500000	7665000	21° 06' 57.094"	63° 00' 00.000"
				AREA (HA):	91,750.00
				PARCELAS:	36.70

**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°25 CAMPO: VILLAMONTES					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	VMT-1 (PP)	465000	7657500	21° 10' 59.838"	63° 20' 13.801"
2	VMT-2	465000	7645000	21° 17' 46.417"	63° 20' 14.726"
3	VMT-3	455000	7645000	21° 17' 45.622"	63° 26' 01.784"
4	VMT-4	455000	7657500	21° 10' 59.047"	63° 26' 00.595"
				AREA (HA):	12,500.00
				PARCELAS:	5.00

**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°26 ISIPOTE					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	ISP-1 (PP)	470000	7705000	20° 45' 15.102"	63° 17' 17.438"
2	ISP-2	470000	7680000	20° 58' 48.300"	63° 17' 18.989"
3	ISP-3	475000	7680000	20° 58' 48.569"	63° 14' 25.826"
4	ISP-4	475000	7667500	21° 05' 35.161"	63° 14' 26.478"
5	ISP-5	465000	7667500	21° 05' 34.571"	63° 20' 13.066"
6	ISP-6	465000	7680000	20° 58' 47.982"	63° 20' 12.152"
7	ISP-7	460000	7680000	20° 58' 47.616"	63° 23' 05.313"
8	ISP-8	460000	7697500	20° 49' 18.385"	63° 23' 03.863"
9	ISP-9	465000	7697500	20° 49' 18.749"	63° 20' 10.882"
10	ISP-10	465000	7705000	20° 45' 14.788"	63° 20' 10.342"
				AREA (HA):	33,750.00
				PARCELAS:	13.50

**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°27 CARANDAITI					
Nro.	Vertice	X Utm	Y Utm	Zona: 20	UTM PSAD-56
				Latitud	Longitud
1	CRD-1 (PP)	495000	7750000	20° 20' 52.121"	63° 02' 52.450"
2	CRD-2	495000	7745000	20° 23' 34.772"	63° 02' 52.500"
3	CRD-3	500000	7745000	20° 23' 34.795"	63° 00' 00.000"
4	CRD-4	500000	7707500	20° 43' 54.650"	63° 00' 00.000"
5	CRD-5	510000	7707500	20° 43' 54.553"	62° 54' 14.237"
6	CRD-6	510000	7695000	20° 50' 41.161"	62° 54' 13.980"
7	CRD-7	505000	7695000	20° 50' 41.234"	62° 57' 06.990"
8	CRD-8	505000	7690000	20° 53' 23.875"	62° 57' 06.938"
9	CRD-9	495000	7690000	20° 53' 23.875"	63° 02' 53.062"
10	CRD-10	495000	7685000	20° 56' 06.516"	63° 02' 53.114"
11	CRD-11	500000	7685000	20° 56' 06.540"	63° 00' 00.000"
12	CRD-12	500000	7675000	21° 01' 31.819"	63° 00' 00.000"
13	CRD-13	495000	7675000	21° 01' 31.794"	63° 02' 53.218"
14	CRD-14	495000	7670000	21° 04' 14.432"	63° 02' 53.270"
15	CRD-15	490000	7670000	21° 04' 14.359"	63° 05' 46.540"
16	CRD-16	490000	7695000	20° 50' 41.161"	63° 05' 46.020"
17	CRD-17	485000	7695000	20° 50' 41.039"	63° 08' 39.030"
18	CRD-18	485000	7725000	20° 34' 25.175"	63° 08' 38.108"
19	CRD-19	495000	7725000	20° 34' 25.366"	63° 02' 52.703"
20	CRD-20	495000	7735000	20° 29' 00.071"	63° 02' 52.601"
21	CRD-21	485000	7735000	20° 28' 59.880"	63° 08' 37.803"
22	CRD-22	485000	7745000	20° 23' 34.582"	63° 08' 37.501"
23	CRD-23	490000	7745000	20° 23' 34.700"	63° 05' 45.001"
24	CRD-24	490000	7750000	20° 20' 52.050"	63° 05' 44.901"
				AREA (HA):	102,500.00
				PARCELAS:	41.00



**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°28 BOYUIBE					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	BYB-1 (PP)	495000	7785000	20° 01' 53.541"	63° 02' 52.103"
2	BYB-2	495000	7760000	20° 15' 26.816"	63° 02' 52.350"
3	BYB-3	490000	7760000	20° 15' 26.746"	63° 05' 44.701"
4	BYB-4	490000	7745000	20° 23' 34.700"	63° 05' 45.001"
5	BYB-5	480000	7745000	20° 23' 34.416"	63° 11' 30.001"
6	BYB-6	480000	7715000	20° 39' 50.298"	63° 11' 31.217"
7	BYB-7	470000	7715000	20° 39' 49.818"	63° 17' 16.823"
8	BYB-8	470000	7745000	20° 23' 33.942"	63° 17' 14.999"
9	BYB-9	475000	7745000	20° 23' 34.203"	63° 14' 22.500"
10	BYB-10	475000	7757500	20° 16' 47.577"	63° 14' 21.874"
11	BYB-11	485000	7757500	20° 16' 47.954"	63° 08' 37.126"
12	BYB-12	485000	7785000	20° 01' 53.355"	63° 08' 36.308"
				AREA (HA):	75,000.00
				PARCELAS:	30.00

**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°29 YOAI					
				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	YOA-1 (PP)	510000	7775000	20° 07' 18.783"	62° 54' 15.597"
2	YOA-2	510000	7730000	20° 31' 42.648"	62° 54' 14.696"
3	YOA-3	500000	7730000	20° 31' 42.743"	63° 00' 00.000"
4	YOA-4	500000	7775000	20° 07' 18.877"	63° 00' 00.000"
				AREA (HA):	45,000.00
				PARCELAS:	18.00

**COORDENADAS DE LOS VERTICES**

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°30 CUPECITO				Zona: 20	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	CUP-1(PP)	495000	7920000	18° 48' 41.499"	63° 02' 50.823"
2	CUP-2	495000	7890000	19° 04' 57.559"	63° 02' 51.099"
3	CUP-3	497500	7890000	19° 04' 57.575"	63° 01' 25.550"
4	CUP-4	497500	7885000	19° 07' 40.249"	63° 01' 25.573"
5	CUP-5	502500	7885000	19° 07' 40.249"	62° 58' 34.427"
6	CUP-6	502500	7840000	19° 32' 04.279"	62° 58' 34.215"
7	CUP-7	505000	7840000	19° 32' 04.262"	62° 57' 08.430"
8	CUP-8	505000	7827500	19° 38' 50.925"	62° 57' 08.311"
9	CUP-9	500000	7827500	19° 38' 50.948"	63° 00' 00.000"
10	CUP-10	500000	7835000	19° 34' 46.950"	63° 00' 00.000"
11	CUP-11	495000	7835000	19° 34' 46.928"	63° 02' 51.617"
12	CUP-12	495000	7860000	19° 21' 13.590"	63° 02' 51.380"
13	CUP-13	482500	7860000	19° 21' 13.338"	63° 09' 59.829"
14	CUP-14	482500	7862500	19° 19' 52.004"	63° 09' 59.747"
15	CUP-15	480000	7862500	19° 19' 51.920"	63° 11' 25.424"
16	CUP-16	480000	7860000	19° 21' 13.254"	63° 11' 25.518"
17	CUP-17	475000	7860000	19° 21' 13.053"	63° 14' 16.897"
18	CUP-18	475000	7875000	19° 13' 05.045"	63° 14' 16.192"
19	CUP-19	480000	7875000	19° 13' 05.245"	63° 11' 24.955"
20	CUP-20	480000	7870000	19° 15' 47.916"	63° 11' 25.142"
21	CUP-21	490000	7870000	19° 15' 48.183"	63° 05' 42.572"
22	CUP-22	490000	7875000	19° 13' 05.512"	63° 05' 42.478"
23	CUP-23	495000	7875000	19° 13' 05.578"	63° 02' 51.239"
24	CUP-24	495000	7885000	19° 07' 40.233"	63° 02' 51.146"
25	CUP-25	490000	7885000	19° 07' 40.166"	63° 05' 42.291"
26	CUP-26	490000	7900000	18° 59' 32.143"	63° 05' 42.013"
27	CUP-27	485000	7900000	18° 59' 32.033"	63° 08' 33.019"
28	CUP-28	485000	7920000	18° 48' 41.325"	63° 08' 32.469"
				AREA (HA):	95,625.00
				PARCELAS:	38.25

## COORDENADAS DE LOS VERTICES

AREA DE OPERACIÓN RESERVADA PARA YPFB

N° 31 CHISPANI					
Nro.	Vertice	X Utm	Y Utm	Zona: 19	UTM PSAD-56
				Latitud	Longitud
1	CHP-1 (PP)	715000	8250000	15° 49' 09.630"	66° 59' 33.803"
2	CHP-2	715000	8240000	15° 54' 34.884"	66° 59' 30.583"
3	CHP-3	740000	8240000	15° 54' 26.615"	66° 45' 30.393"
4	CHP-4	740000	8235000	15° 57' 09.216"	66° 45' 28.587"
5	CHP-5	750000	8235000	15° 57' 05.644"	66° 39' 52.476"
6	CHP-6	750000	8230000	15° 59' 48.233"	66° 39' 50.589"
7	CHP-7	755000	8230000	15° 59' 46.387"	66° 37' 02.505"
8	CHP-8	755000	8225000	16° 02' 28.971"	66° 37' 00.574"
9	CHP-9	760000	8225000	16° 02' 27.082"	66° 34' 12.458"
10	CHP-10	760000	8220000	16° 05' 09.659"	66° 34' 10.484"
11	CHP-11	765000	8220000	16° 05' 07.729"	66° 31' 22.337"
12	CHP-12	765000	8210000	16° 10' 32.869"	66° 31' 18.293"
13	CHP-13	775000	8210000	16° 10' 28.875"	66° 25' 41.865"
14	CHP-14	775000	8200000	16° 15' 53.989"	66° 25' 37.642"
15	CHP-15	780000	8200000	16° 15' 51.925"	66° 22' 49.362"
16	CHP-16	780000	8195000	16° 18' 34.474"	66° 22' 47.202"
17	CHP-17	790000	8195000	16° 18' 30.222"	66° 17' 10.585"
18	CHP-18	790000	8200000	16° 15' 47.685"	66° 17' 12.822"
19	CHP-19	785000	8200000	16° 15' 49.823"	66° 20' 01.089"
20	CHP-20	785000	8210000	16° 10' 24.734"	66° 20' 05.464"
21	CHP-21	795000	8210000	16° 10' 20.445"	66° 14' 29.091"
22	CHP-22	795000	8200000	16° 15' 45.509"	66° 14' 24.562"
23	CHP-23	800000	8200000	16° 15' 43.296"	66° 11' 36.310"
24	CHP-24	800000	8195000	16° 18' 25.821"	66° 11' 33.996"
25	CHP-25	805000	8195000	16° 18' 23.565"	66° 08' 45.713"
26	CHP-26	805000	8190000	16° 21' 06.081"	66° 08' 43.354"
27	CHP-27	818171	8190000	16° 20' 59.942"	66° 01' 19.980"
28	CHP-28	816875	8100000	17° 09' 45.437"	66° 01' 18.174"
29	CHP-29	815000	8100000	17° 09' 46.370"	66° 02' 21.559"
30	CHP-30	815000	8105000	17° 07' 03.881"	66° 02' 24.135"
31	CHP-31	810000	8105000	17° 07' 06.334"	66° 05' 13.115"
32	CHP-32	810000	8110000	17° 04' 23.838"	66° 05' 15.643"
33	CHP-33	805000	8110000	17° 04' 26.246"	66° 08' 04.590"
34	CHP-34	805000	8115000	17° 01' 43.741"	66° 08' 07.069"
35	CHP-35	800000	8115000	17° 01' 46.103"	66° 10' 55.983"
36	CHP-36	800000	8120000	16° 59' 03.592"	66° 10' 58.414"
37	CHP-37	795000	8120000	16° 59' 05.908"	66° 13' 47.296"
38	CHP-38	795000	8125000	16° 56' 23.389"	66° 13' 49.680"
39	CHP-39	790000	8125000	16° 56' 25.661"	66° 16' 38.528"
40	CHP-40	790000	8130000	16° 53' 43.134"	66° 16' 40.864"
41	CHP-41	785000	8130000	16° 53' 45.361"	66° 19' 29.680"
42	CHP-42	785000	8135000	16° 51' 02.828"	66° 19' 31.969"
43	CHP-43	780000	8135000	16° 51' 05.009"	66° 22' 20.752"
44	CHP-44	780000	8140000	16° 48' 22.469"	66° 22' 22.994"
45	CHP-45	775000	8140000	16° 48' 24.606"	66° 25' 11.743"
46	CHP-46	775000	8145000	16° 45' 42.059"	66° 25' 13.939"
47	CHP-47	765000	8145000	16° 45' 46.206"	66° 30' 51.378"
48	CHP-48	765000	8155000	16° 40' 21.086"	66° 30' 55.590"
49	CHP-49	755000	8155000	16° 40' 25.057"	66° 36' 32.898"
50	CHP-50	755000	8160000	16° 37' 42.485"	66° 36' 34.915"
51	CHP-51	750000	8160000	16° 37' 44.408"	66° 39' 23.539"
52	CHP-52	750000	8165000	16° 35' 01.829"	66° 39' 25.511"
53	CHP-53	740000	8165000	16° 35' 05.550"	66° 45' 02.698"
54	CHP-54	740000	8170000	16° 32' 22.960"	66° 45' 04.586"
55	CHP-55	735000	8170000	16° 32' 24.759"	66° 47' 53.149"
56	CHP-56	735000	8175000	16° 29' 42.162"	66° 47' 54.991"
57	CHP-57	730000	8175000	16° 29' 43.918"	66° 50' 43.521"
58	CHP-58	730000	8180000	16° 27' 01.316"	66° 50' 45.318"
59	CHP-59	725000	8180000	16° 27' 03.029"	66° 53' 33.815"
60	CHP-60	725000	8185000	16° 24' 20.421"	66° 53' 35.568"
61	CHP-61	720000	8185000	16° 24' 22.092"	66° 56' 24.031"
62	CHP-62	720000	8195000	16° 18' 56.864"	66° 56' 27.444"
63	CHP-63	715000	8195000	16° 18' 58.488"	66° 59' 15.835"
64	CHP-64	715000	8225000	16° 02' 42.759"	66° 59' 25.714"
65	CHP-65	705000	8225000	16° 02' 45.839"	67° 05' 02.053"
66	CHP-66	705000	8230000	16° 00' 03.206"	67° 05' 03.606"
67	CHP-67	700000	8230000	16° 00' 04.688"	67° 07' 51.745"
68	CHP-68	700000	8240000	15° 54' 39.410"	67° 07' 54.760"
69	CHP-69	690000	8240000	15° 54' 42.246"	67° 13' 30.903"
70	CHP-70	690000	8250000	15° 49' 16.949"	67° 13' 33.750"
				AREA (HA):	755,209.62
				PARCELAS:	302.08

## COORDENADAS DE LOS VERTICES

FORMULARIO 2

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°32 LLIQIMUNI					
Nro.	Vertice	X Utm	Y Utm	Zona: 19	
				Latitud	Longitud
1	LQM-1 (PP)	645000	8335000	15° 03' 22.152"	67° 39' 03.840"
2	LQM-2	645000	8330000	15° 06' 04.846"	67° 39' 02.814"
3	LQM-3	650000	8330000	15° 06' 03.830"	67° 36' 15.360"
4	LQM-4	650000	8320000	15° 11' 29.208"	67° 36' 13.227"
5	LQM-5	655000	8320000	15° 11' 28.152"	67° 33' 25.705"
6	LQM-6	655000	8315000	15° 14' 10.837"	67° 33' 24.598"
7	LQM-7	660000	8315000	15° 14' 09.743"	67° 30' 37.044"
8	LQM-8	660000	8310000	15° 16' 52.423"	67° 30' 35.897"
9	LQM-9	665000	8310000	15° 16' 51.290"	67° 27' 48.312"
10	LQM-10	665000	8305000	15° 19' 33.967"	67° 27' 47.125"
11	LQM-11	675000	8305000	15° 19' 31.590"	67° 22' 11.894"
12	LQM-12	675000	8300000	15° 22' 14.259"	67° 22' 10.631"
13	LQM-13	680000	8300000	15° 22' 13.014"	67° 19' 22.985"
14	LQM-14	680000	8295000	15° 24' 55.678"	67° 19' 21.683"
15	LQM-15	685000	8295000	15° 24' 54.394"	67° 16' 34.005"
16	LQM-16	685000	8290000	15° 27' 37.054"	67° 16' 32.661"
17	LQM-17	690000	8290000	15° 27' 35.731"	67° 13' 44.953"
18	LQM-18	690000	8285000	15° 30' 18.386"	67° 13' 43.568"
19	LQM-19	700000	8285000	15° 30' 15.625"	67° 08' 08.091"
20	LQM-20	700000	8280000	15° 32' 58.271"	67° 08' 06.629"
21	LQM-21	705000	8280000	15° 32' 56.834"	67° 05' 18.861"
22	LQM-22	705000	8275000	15° 35' 39.474"	67° 05' 17.358"
23	LQM-23	715000	8275000	15° 35' 36.484"	66° 59' 41.763"
24	LQM-24	715000	8260000	15° 43' 44.374"	66° 59' 37.003"
25	LQM-25	720000	8260000	15° 43' 42.812"	66° 56' 49.103"
26	LQM-26	720000	8255000	15° 46' 25.436"	66° 56' 47.468"
27	LQM-27	730000	8255000	15° 46' 22.193"	66° 51' 11.610"
28	LQM-28	730000	8245000	15° 51' 47.419"	66° 51' 08.177"
29	LQM-29	735000	8245000	15° 51' 45.734"	66° 48' 20.182"
30	LQM-30	735000	8240000	15° 54' 28.341"	66° 48' 18.420"
31	LQM-31	715000	8240000	15° 54' 34.884"	66° 59' 30.583"
32	LQM-32	715000	8250000	15° 49' 09.630"	66° 59' 33.803"
33	LQM-33	690000	8250000	15° 49' 16.949"	67° 13' 33.750"
34	LQM-34	690000	8240000	15° 54' 42.246"	67° 13' 30.903"
35	LQM-35	700000	8240000	15° 54' 39.410"	67° 07' 54.760"
36	LQM-36	700000	8230000	16° 00' 04.688"	67° 07' 51.745"
37	LQM-37	705000	8230000	16° 00' 03.206"	67° 05' 03.606"
38	LQM-38	705000	8225000	16° 02' 45.839"	67° 05' 02.053"
39	LQM-39	715000	8225000	16° 02' 42.759"	66° 59' 25.714"
40	LQM-40	715000	8195000	16° 18' 58.488"	66° 59' 15.835"
41	LQM-41	720000	8195000	16° 18' 56.864"	66° 56' 27.444"
42	LQM-42	720000	8190000	16° 21' 39.478"	66° 56' 25.740"
43	LQM-43	710000	8190000	16° 21' 42.698"	67° 02' 02.605"
44	LQM-44	710000	8200000	16° 16' 17.450"	67° 02' 05.852"
45	LQM-45	705000	8200000	16° 16' 18.995"	67° 04' 54.215"
46	LQM-46	705000	8205000	16° 13' 36.365"	67° 04' 55.793"
47	LQM-47	700000	8205000	16° 13' 37.869"	67° 07' 44.122"
48	LQM-48	700000	8210000	16° 10' 55.234"	67° 07' 45.657"
49	LQM-49	695000	8210000	16° 10' 56.695"	67° 10' 33.953"
50	LQM-50	695000	8215000	16° 08' 14.056"	67° 10' 35.444"
51	LQM-51	690000	8215000	16° 08' 15.477"	67° 13' 23.707"
52	LQM-52	690000	8220000	16° 05' 32.832"	67° 13' 25.155"
53	LQM-53	685000	8220000	16° 05' 34.212"	67° 16' 13.385"
54	LQM-54	685000	8225000	16° 02' 51.562"	67° 16' 14.791"
55	LQM-55	680000	8225000	16° 02' 52.901"	67° 19' 02.986"
56	LQM-56	680000	8230000	16° 00' 10.247"	67° 19' 04.350"
57	LQM-57	670000	8230000	16° 00' 12.808"	67° 24' 40.679"
58	LQM-58	670000	8235000	15° 57' 30.145"	67° 24' 41.963"
59	LQM-59	665000	8235000	15° 57' 31.367"	67° 27' 30.096"
60	LQM-60	665000	8240000	15° 54' 48.700"	67° 27' 31.338"
61	LQM-61	660000	8240000	15° 54' 49.882"	67° 30' 19.437"
62	LQM-62	660000	8245000	15° 52' 07.211"	67° 30' 20.638"
63	LQM-63	655000	8245000	15° 52' 08.353"	67° 33' 08.704"
64	LQM-64	655000	8250000	15° 49' 25.678"	67° 33' 09.863"
65	LQM-65	650000	8250000	15° 49' 26.781"	67° 35' 57.895"
66	LQM-66	650000	8255000	15° 46' 44.102"	67° 35' 59.014"
67	LQM-67	645000	8255000	15° 46' 45.165"	67° 38' 47.013"
68	LQM-68	645000	8260000	15° 44' 02.482"	67° 38' 48.090"
69	LQM-69	640000	8260000	15° 44' 03.506"	67° 41' 36.055"
70	LQM-70	640000	8265000	15° 41' 20.819"	67° 41' 37.092"
71	LQM-71	635000	8265000	15° 41' 21.804"	67° 44' 25.024"
72	LQM-72	635000	8270000	15° 38' 39.114"	67° 44' 26.021"
73	LQM-73	630000	8270000	15° 38' 40.060"	67° 47' 13.918"
74	LQM-74	630000	8275000	15° 35' 57.366"	67° 47' 14.875"
75	LQM-75	625000	8275000	15° 35' 58.275"	67° 50' 02.739"
76	LQM-76	625000	8285000	15° 30' 32.878"	67° 50' 04.571"
77	LQM-77	615000	8285000	15° 30' 34.578"	67° 55' 40.161"
78	LQM-78	615000	8290000	15° 27' 51.874"	67° 55' 40.999"
79	LQM-79	610000	8290000	15° 27' 52.668"	67° 58' 28.762"
80	LQM-80	610000	8300000	15° 22' 27.252"	67° 58' 30.358"
81	LQM-81	605000	8300000	15° 22' 28.007"	68° 01' 18.051"
82	LQM-82	605000	8315000	15° 14' 19.872"	68° 01' 20.318"
83	LQM-83	625000	8315000	15° 14' 16.675"	67° 50' 09.993"
84	LQM-84	625000	8325000	15° 08' 51.268"	67° 50' 11.777"
85	LQM-85	630000	8325000	15° 08' 50.387"	67° 47' 24.274"
86	LQM-86	630000	8335000	15° 03' 24.984"	67° 47' 26.117"
				AREA (HA):	
				675.000,00	
				PARCELAS:	
				270,00	

## COORDENADAS DE LOS VERTICES

AREA DE OPERACIÓN RESERVADA PARA YPFB

N°33 CHEPITE					
				Zona: 19	UTM PSAD-56
Nro.	Vertice	X Utm	Y Utm	Latitud	Longitud
1	CHE-1 (PP)	585000	8410000	14° 22' 50.700"	68° 12' 41.882"
2	CHE-2	585000	8400000	14° 28' 16.166"	68° 12' 40.738"
3	CHE-3	565000	8400000	14° 28' 18.141"	68° 23' 48.769"
4	CHE-4	565000	8395000	14° 31' 00.879"	68° 23' 48.329"
5	CHE-5	570000	8395000	14° 31' 00.433"	68° 21' 01.284"
6	CHE-6	570000	8385000	14° 36' 25.904"	68° 21' 00.332"
7	CHE-7	575000	8385000	14° 36' 25.422"	68° 18' 13.221"
8	CHE-8	575000	8375000	14° 41' 50.888"	68° 18' 12.193"
9	CHE-9	580000	8375000	14° 41' 50.369"	68° 15' 25.016"
10	CHE-10	580000	8370000	14° 44' 33.099"	68° 15' 24.465"
11	CHE-11	585000	8370000	14° 44' 32.545"	68° 12' 37.255"
12	CHE-12	585000	8360000	14° 49' 58.000"	68° 12' 36.078"
13	CHE-13	590000	8360000	14° 49' 57.408"	68° 09' 48.801"
14	CHE-14	590000	8355000	14° 52' 40.133"	68° 09' 48.174"
15	CHE-15	595000	8355000	14° 52' 39.506"	68° 07' 00.864"
16	CHE-16	595000	8340000	15° 00' 47.669"	68° 06' 58.868"
17	CHE-17	620000	8340000	15° 00' 43.991"	67° 53' 01.830"
18	CHE-18	620000	8345000	14° 58' 01.282"	67° 53' 02.673"
19	CHE-19	635000	8345000	14° 57' 58.673"	67° 44' 40.589"
20	CHE-20	635000	8340000	15° 00' 41.374"	67° 44' 39.640"
21	CHE-21	640000	8340000	15° 00' 40.433"	67° 41' 52.250"
22	CHE-22	640000	8335000	15° 03' 23.130"	67° 41' 51.262"
23	CHE-23	630000	8335000	15° 03' 24.984"	67° 47' 26.117"
24	CHE-24	630000	8325000	15° 08' 50.387"	67° 47' 24.274"
25	CHE-25	625000	8325000	15° 08' 51.268"	67° 50' 11.777"
26	CHE-26	625000	8315000	15° 14' 16.675"	67° 50' 09.993"
27	CHE-27	605000	8315000	15° 14' 19.872"	68° 01' 20.318"
28	CHE-28	605000	8300000	15° 22' 28.007"	68° 01' 18.051"
29	CHE-29	600000	8300000	15° 22' 28.726"	68° 04' 05.747"
30	CHE-30	600000	8310000	15° 17' 03.299"	68° 04' 07.188"
31	CHE-31	595000	8310000	15° 17' 03.979"	68° 06' 54.814"
32	CHE-32	595000	8315000	15° 14' 21.262"	68° 06' 55.495"
33	CHE-33	590000	8315000	15° 14' 21.905"	68° 09' 43.088"
34	CHE-34	590000	8320000	15° 11' 39.186"	68° 09' 43.731"
35	CHE-35	585000	8320000	15° 11' 39.792"	68° 12' 31.290"
36	CHE-36	585000	8330000	15° 06' 14.348"	68° 12' 32.499"
37	CHE-37	580000	8330000	15° 06' 14.916"	68° 15' 19.988"
38	CHE-38	580000	8335000	15° 03' 32.192"	68° 15' 20.555"
39	CHE-39	575000	8335000	15° 03' 32.724"	68° 18' 08.011"
40	CHE-40	575000	8340000	15° 00' 49.996"	68° 18' 08.540"
41	CHE-41	570000	8340000	15° 00' 50.493"	68° 20' 55.962"
42	CHE-42	570000	8345000	14° 58' 07.763"	68° 20' 56.454"
43	CHE-43	565000	8345000	14° 58' 08.224"	68° 23' 43.844"
44	CHE-44	565000	8350000	14° 55' 25.492"	68° 23' 44.299"
45	CHE-45	560000	8350000	14° 55' 25.917"	68° 26' 31.655"
46	CHE-46	560000	8355000	14° 52' 43.184"	68° 26' 32.074"
47	CHE-47	555000	8355000	14° 52' 43.573"	68° 29' 19.396"
48	CHE-48	555000	8365000	14° 47' 18.102"	68° 29' 20.160"
49	CHE-49	550000	8365000	14° 47' 18.456"	68° 32' 07.414"
50	CHE-50	550000	8375000	14° 41' 52.979"	68° 32' 08.104"
51	CHE-51	545000	8375000	14° 41' 53.297"	68° 34' 55.290"
52	CHE-52	545000	8385000	14° 36' 27.816"	68° 34' 55.907"
53	CHE-53	540000	8385000	14° 36' 28.099"	68° 37' 43.026"
54	CHE-54	540000	8390000	14° 33' 45.357"	68° 37' 43.299"
55	CHE-55	535000	8390000	14° 33' 45.606"	68° 40' 30.384"
56	CHE-56	535000	8395000	14° 31' 02.862"	68° 40' 30.622"
57	CHE-57	530000	8395000	14° 31' 03.076"	68° 43' 17.675"
58	CHE-58	530000	8400000	14° 28' 20.331"	68° 43' 17.878"
59	CHE-59	525000	8400000	14° 28' 20.513"	68° 46' 04.897"
60	CHE-60	525000	8405000	14° 25' 37.766"	68° 46' 05.066"
61	CHE-61	520000	8405000	14° 25' 37.914"	68° 48' 52.052"
62	CHE-62	520000	8410000	14° 22' 55.167"	68° 48' 52.186"
				AREA (HA):	387,500.00
				PARCELAS:	155.00