

RONDA

COLOMBIA 2021

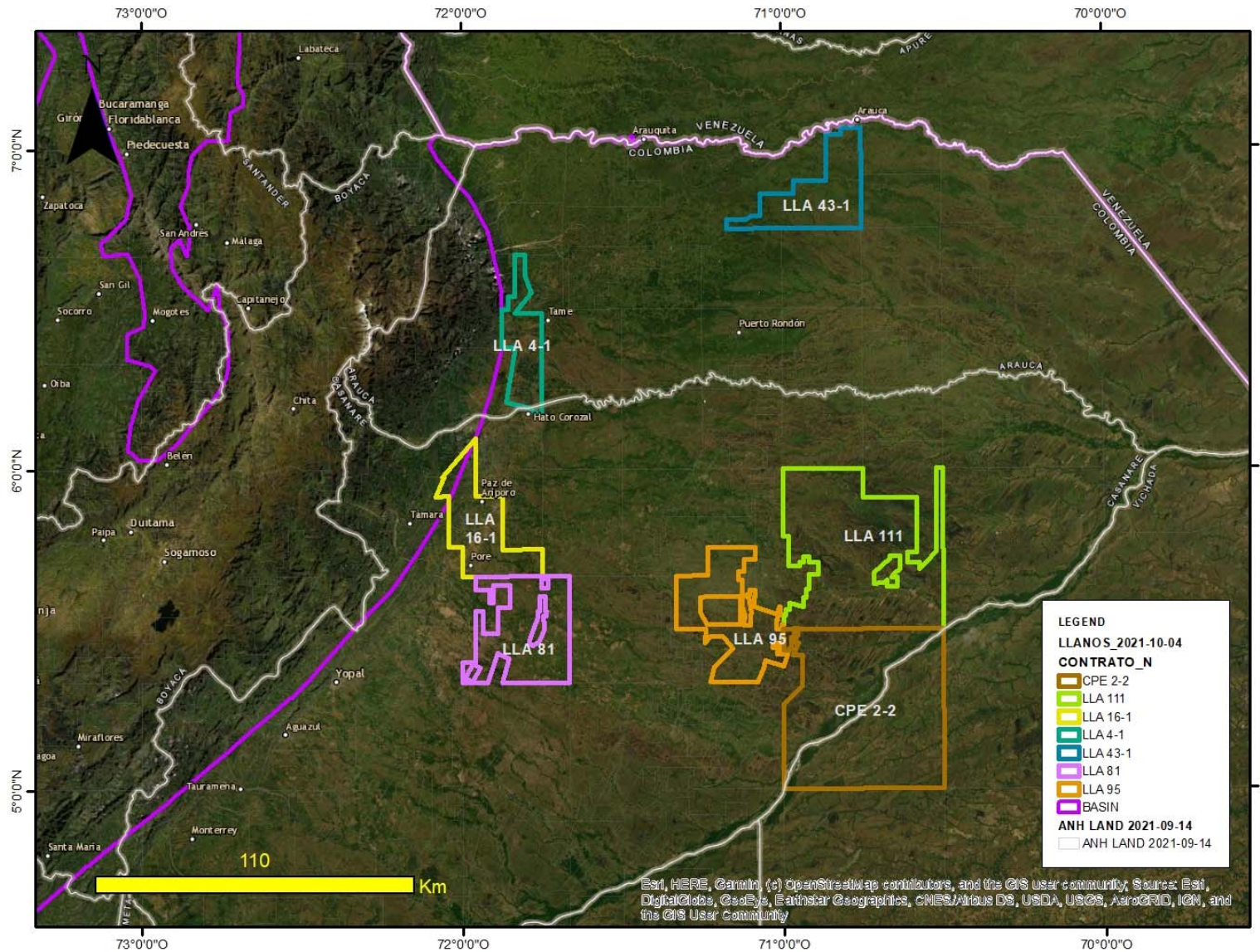
**Llanos Basin:
Incorporated Areas**

October 29st, 2021

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 - LLA 111
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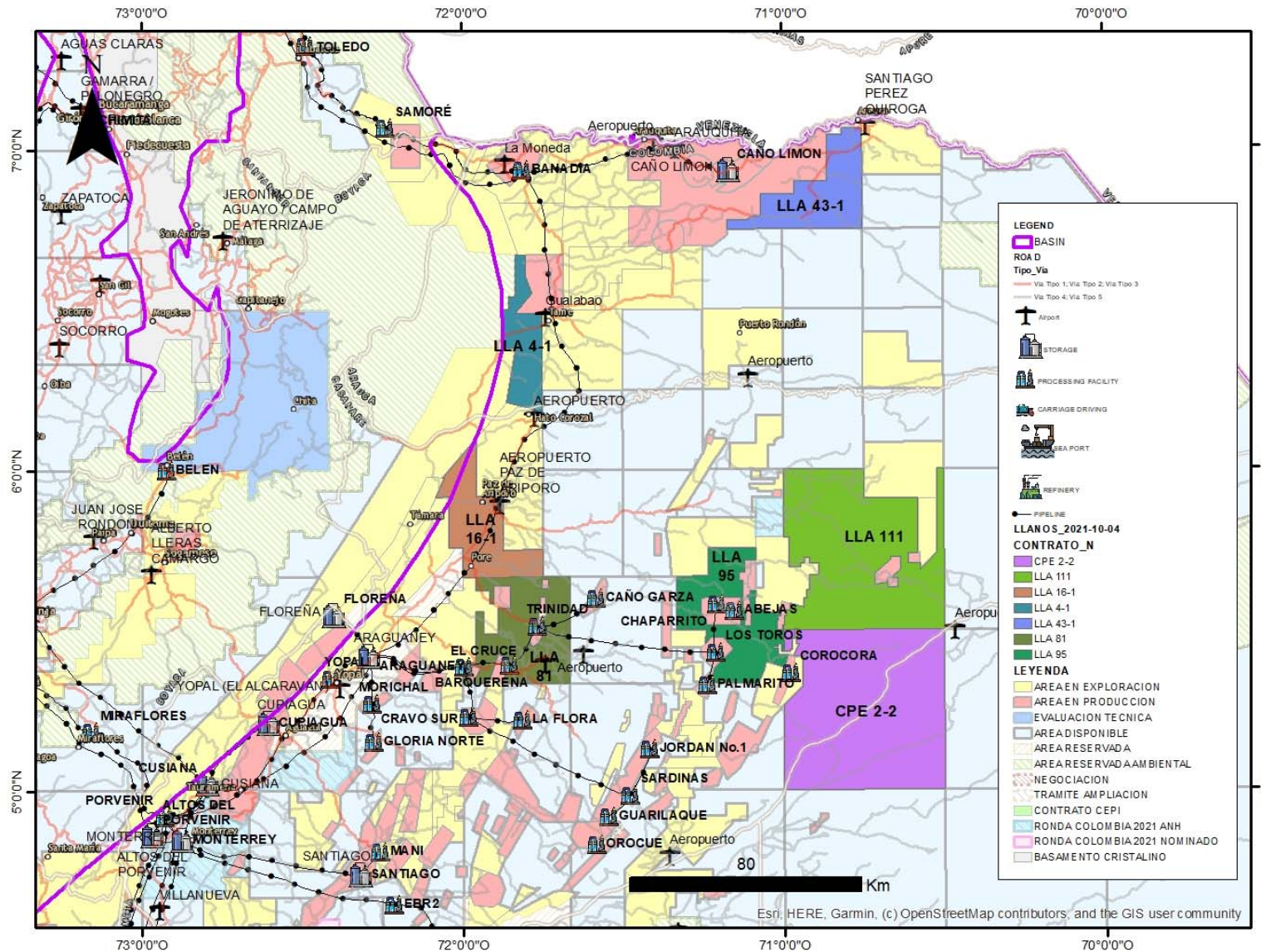
Location



Incorporated Areas

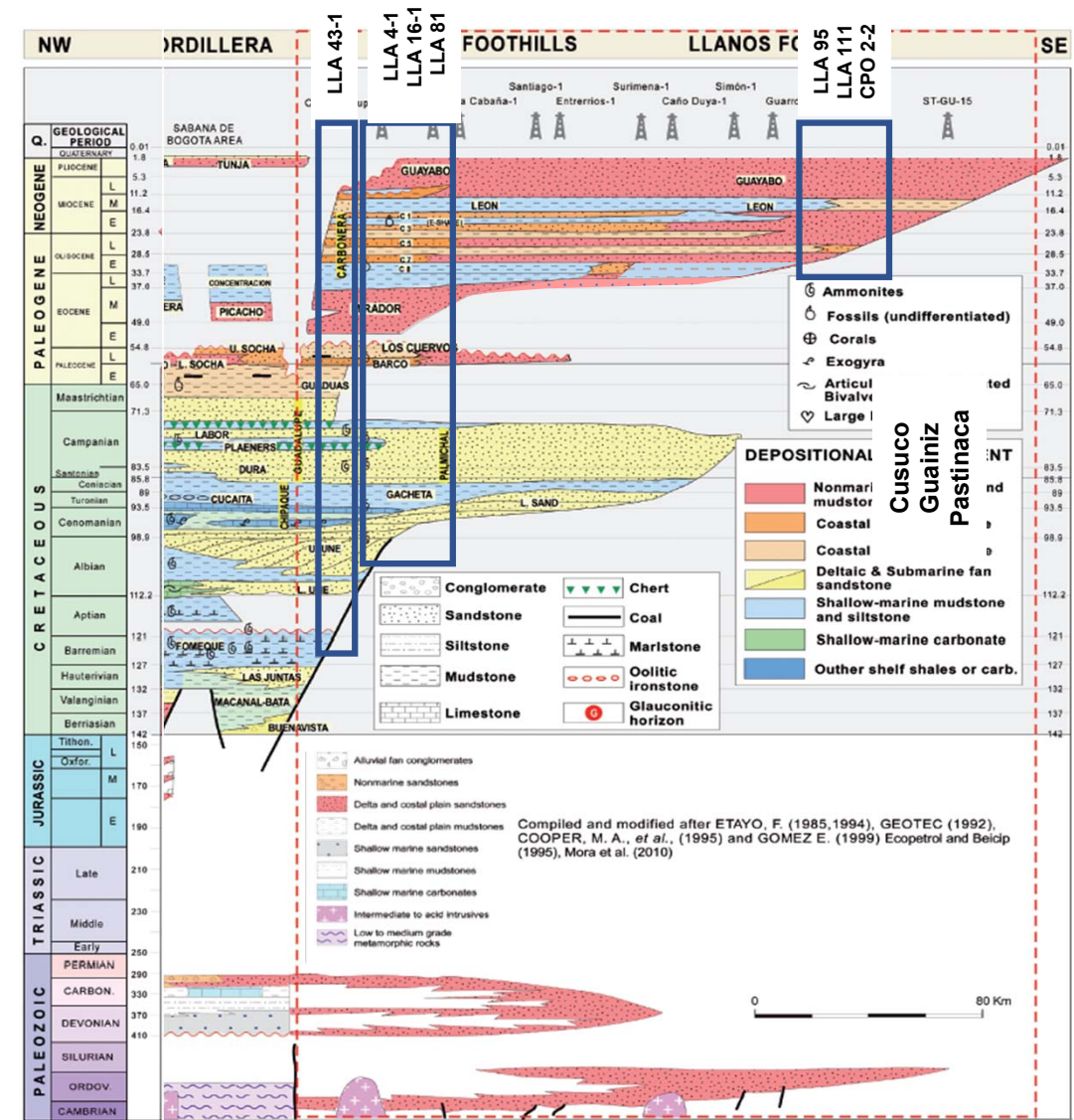
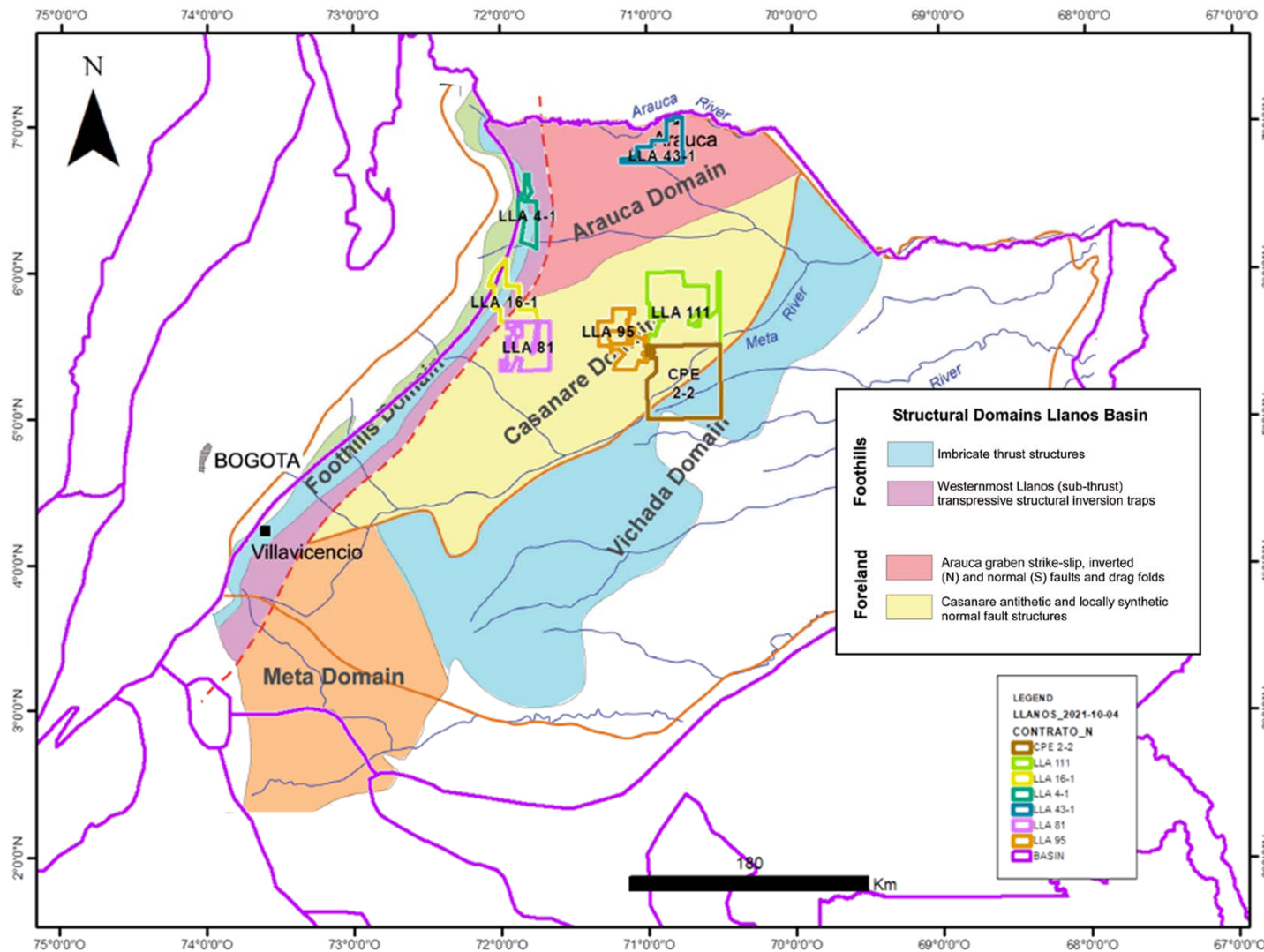
CONTRATO_N	Area	Total Area (Ha)	Sub-areas	Percentage
CPE 2-2	Area	296514.7114		
	CASANARE	OROCUÉ		0%
	CASANARE	PAZ DE ARIPORO		11%
	CASANARE	SAN LUIS DE PALENQUE		3%
	CASANARE	TRINIDAD		30%
	VICHADA	SANTA ROSALÍA		48%
LLA 111	Area	242903.2753		
	CASANARE	PAZ DE ARIPORO		100%
LLA 16-1	Area	75078.53152		
	CASANARE	HATO COROZAL		4%
	CASANARE	PAZ DE ARIPORO		61%
	CASANARE	PORE		27%
	CASANARE	TÁMARA		9%
LLA 4-1	Area	48064.32489		
	ARAUCA	TAME		99%
	CASANARE	HATO COROZAL		1%
LLA 43-1	Area	77404.13213		
	ARAUCA	ARAUCA		89%
	ARAUCA	ARAUQUITA		11%
LLA 81	Area	99085.80455		
	CASANARE	NUNCHÍA		12%
	CASANARE	PAZ DE ARIPORO		7%
	CASANARE	PORE		25%
	CASANARE	SAN LUIS DE PALENQUE		34%
	CASANARE	TRINIDAD		22%
LLA 95	Area	86943.4006		
	CASANARE	PAZ DE ARIPORO		73%
	CASANARE	TRINIDAD		27%

Infrastructure



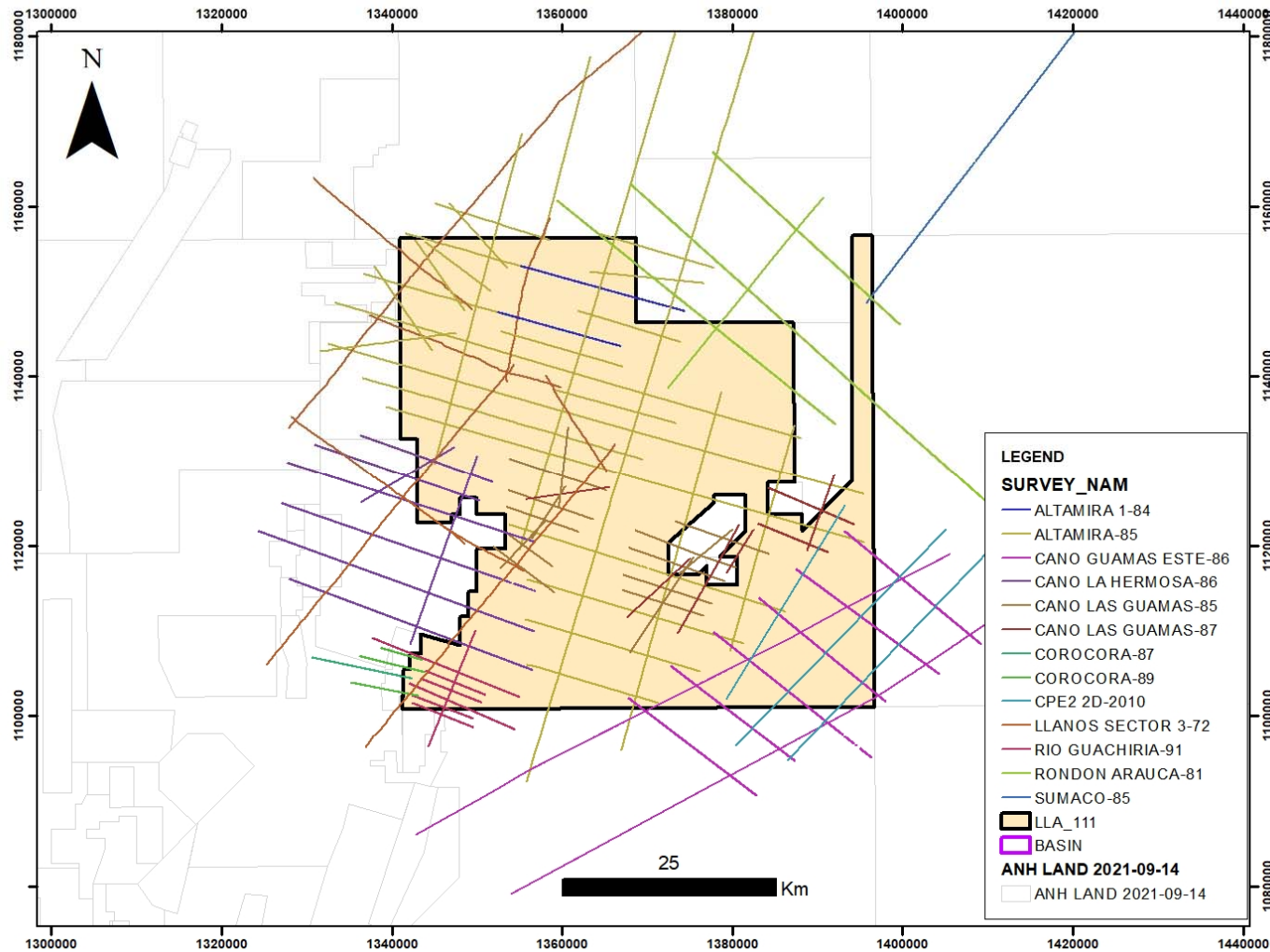
- LLA 111, LLA 95 & CPE 2-2
 - Road to connect to Corocora, La Cuerva and Los Toros oil facilities . Unpaved road that connects the blocks with the Paz de Ariporo town
- LLA 16-1 & LLA 81
 - Near to Barquereña, Trinidad and Caño Garzas oil facilities and Paz de Ariporo town.
- LLA 4-1
 - Close to Hato Corozal and Tame towns
- LLA 43-1
 - Near to Caño Limon oil facilities

Geological Framework



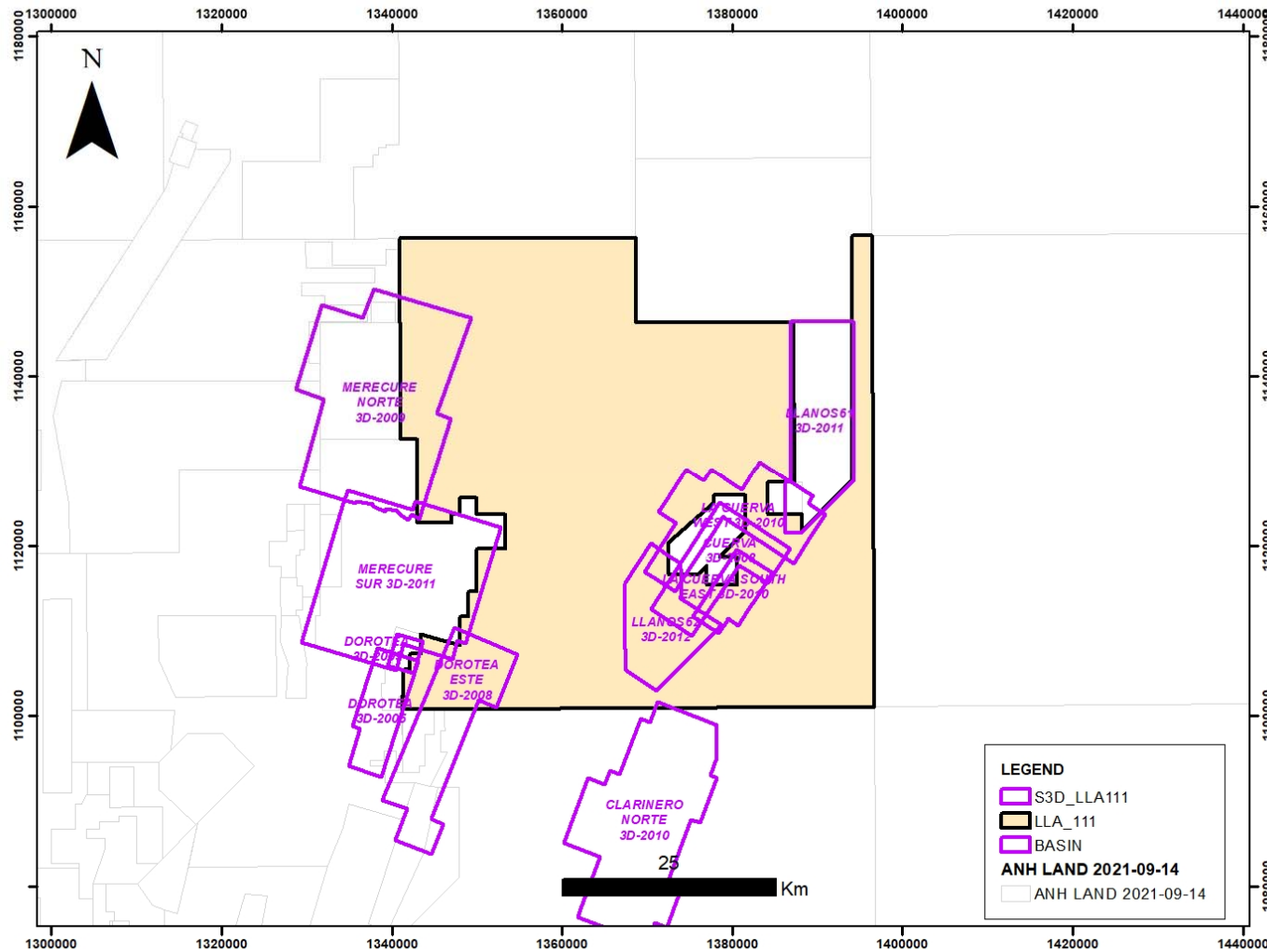
Incorporated Areas

LLA 111



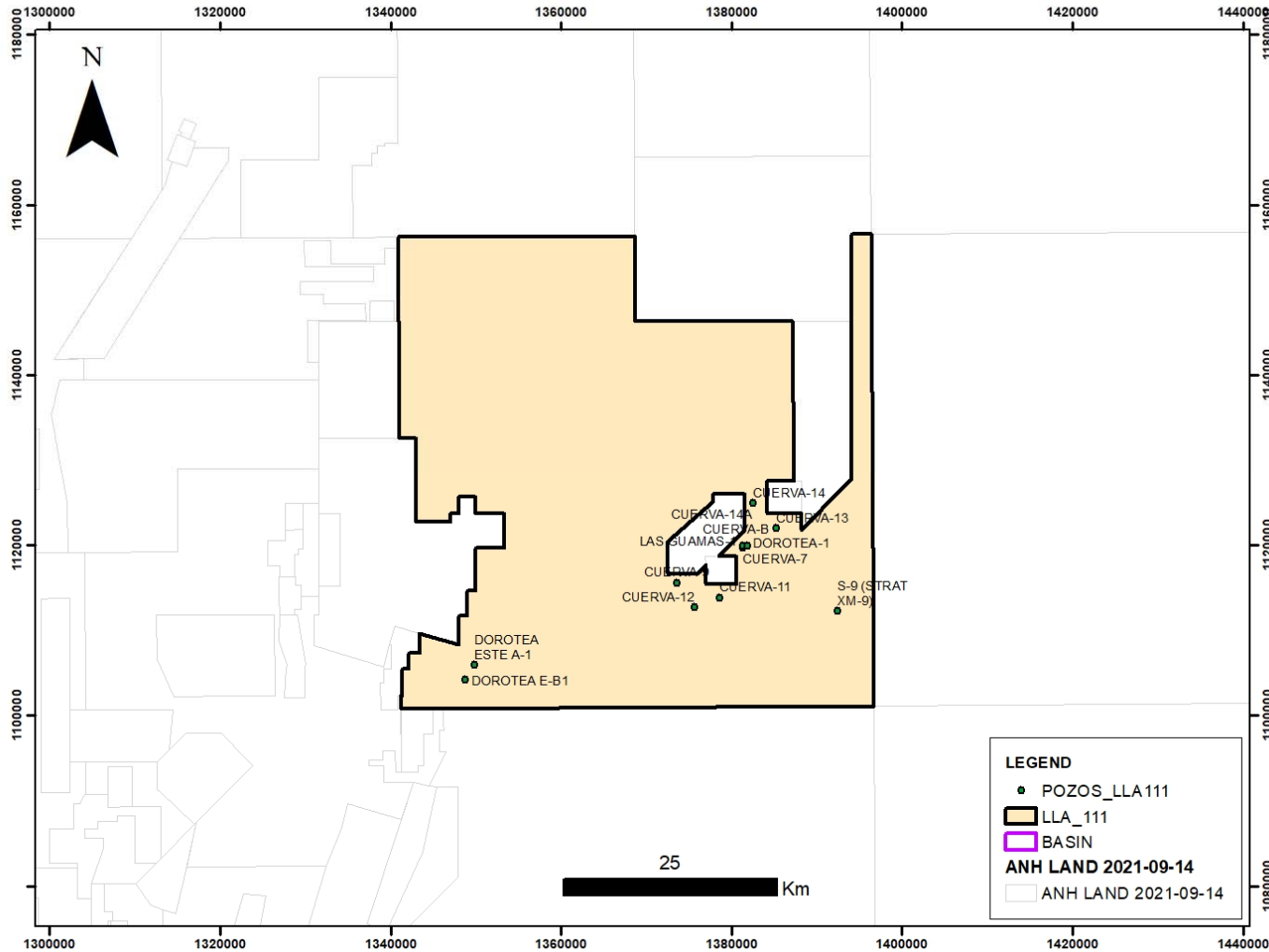
SURVEY	LINES	TOTAL LENGTH	LENGTH INSIDE
ALTAMIRA 1-84	2	35.0	29.1
ALTAMIRA-85	27	792.5	566.2
CANO GUAMAS ESTE-86	9	263.4	89.2
CANO LA HERMOSA-86	8	200.3	59.6
CANO LAS GUAMAS-85	12	150.0	118.7
CANO LAS GUAMAS-87	7	69.6	45.9
COROCORA-87	1	12.0	1.0
COROCORA-89	3	21.2	5.1
CPE2 2D-2010	3	97.1	49.6
LLANOS SECTOR 3-72	9	273.7	135.1
RIO GUACHIRIA-91	7	77.6	52.5
RONDON ARAUCA-81	4	179.5	35.3
SUMACO-85	1	60.9	1.0
Total general	93	2232.8	1188.4

13 Seismic Program (93 lines)
Total coverage 1188 Km



3D SURVEY	AREA_TOTAL	AREA_INSIDE
MERECURE SUR 3D-2011	330.4	28.1
DOROTEA NORTE 3D-2008	12.4	2.1
MERECURE NORTE 3D-2009	380.0	114.0
LLANOS61 3D-2011	169.6	14.8
LLANOS62 3D-2012	113.0	110.4
CUERVA 3D-2008	106.1	64.5
LA CUERVA SOUTH EAST 3D-2010	44.6	38.9
DOROTEA ESTE 3D-2008	163.8	66.8
CLARINERO NORTE 3D-2010	293.3	0.6
DOROTEA 3D-2005	67.1	4.3
LA CUERVA WEST 3D-2010	150.6	93.5
Total general		476.2

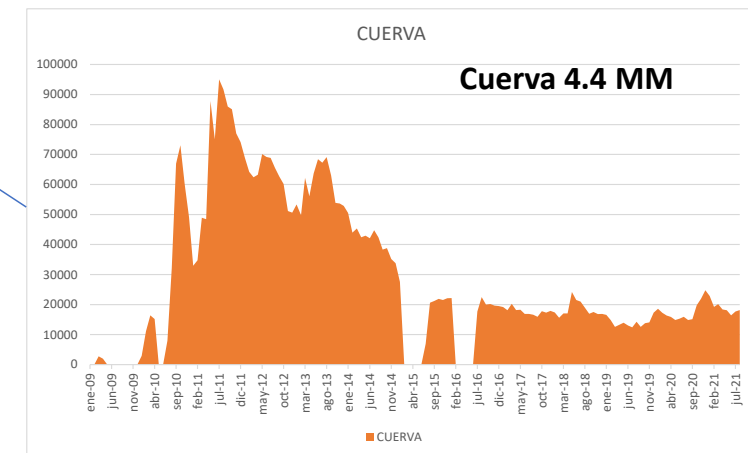
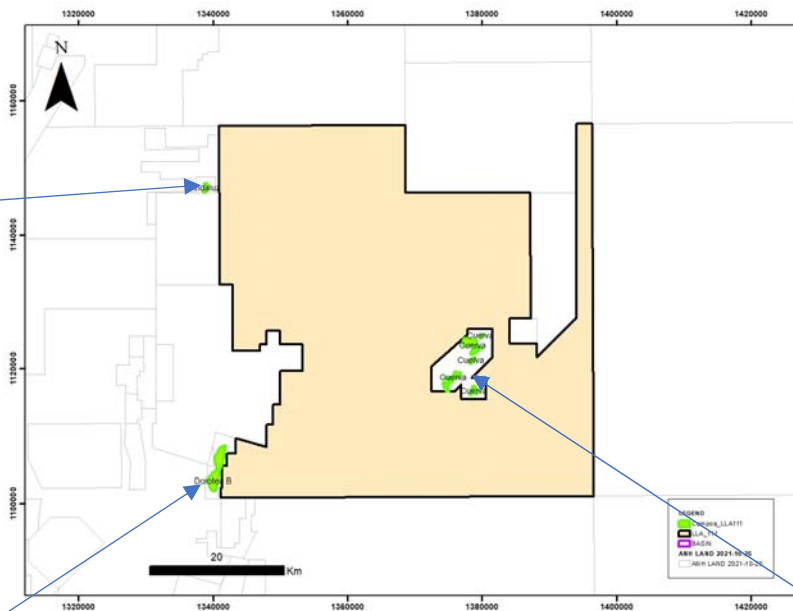
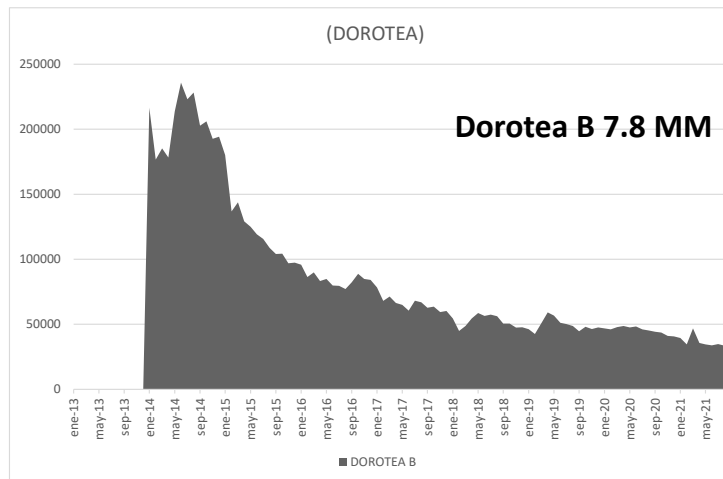
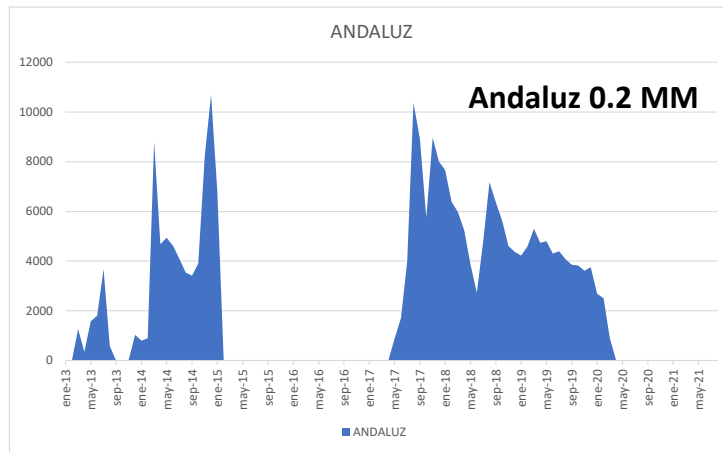
11 Seismic Programs (476 Km²)
Total coverage 20%



WELL_NAME	RTE	TD	WELL_SPUD
S-9 (STRAT XM-9)	394	4540	26/06/1958
LAS GUAMAS-1	382	5037	28/03/1987
DOROTEA-1	385	4982	25/01/1988
DOROTEA ESTE A-1	419	4905	15/02/2009
CUERVA-7	381	4350	31/03/2009
CUERVA-9	387	4277	23/10/2010
CUERVA-14	382	4346	27/02/2011
CUERVA-13	378	4250	14/03/2011
CUERVA-12	386	4287	03/04/2011
CUERVA-11	387	4200	29/04/2011
DOROTEA E-B1	427	5636	19/06/2012
CUERVA-B	383	4292	18/02/2013

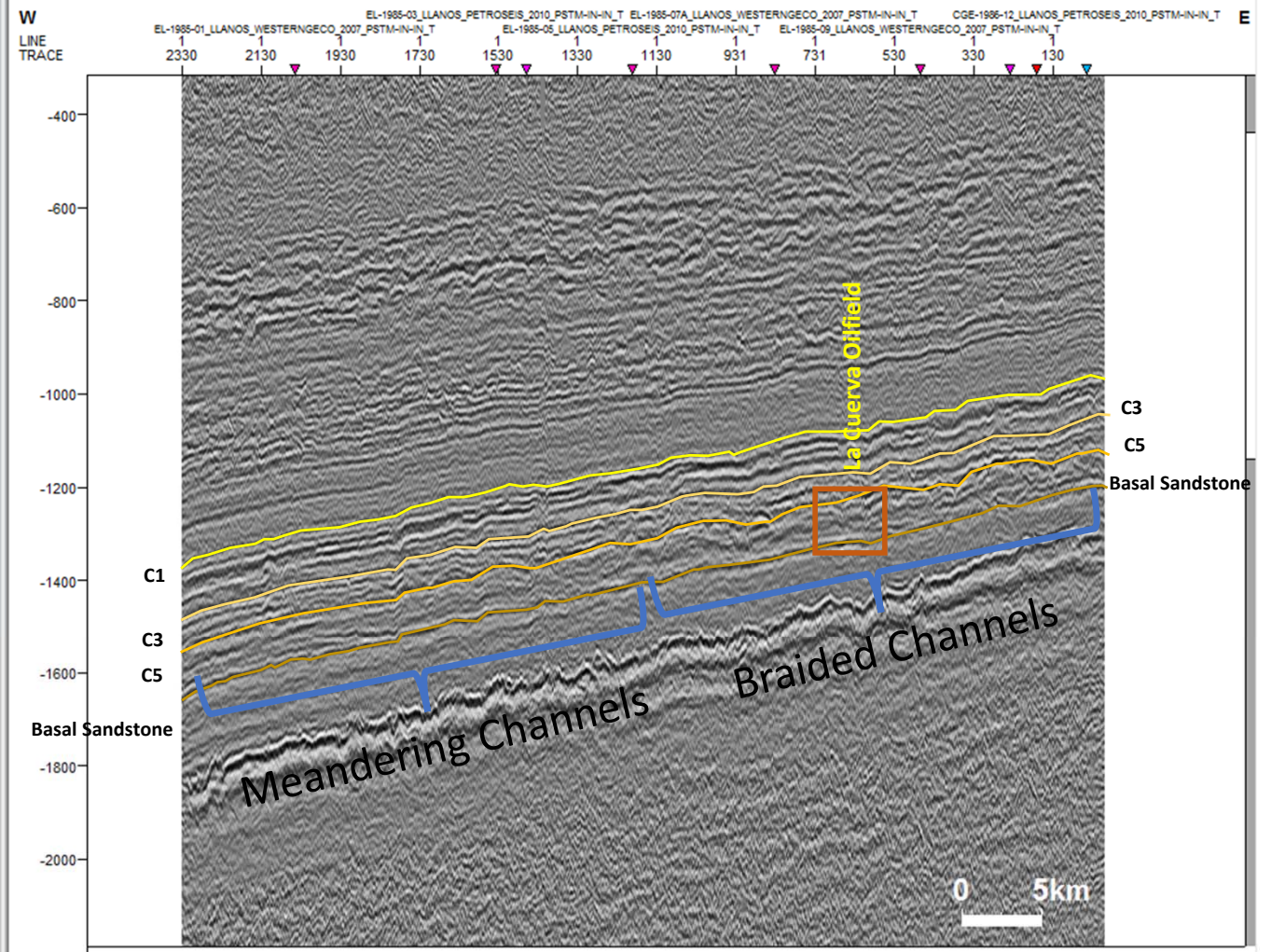
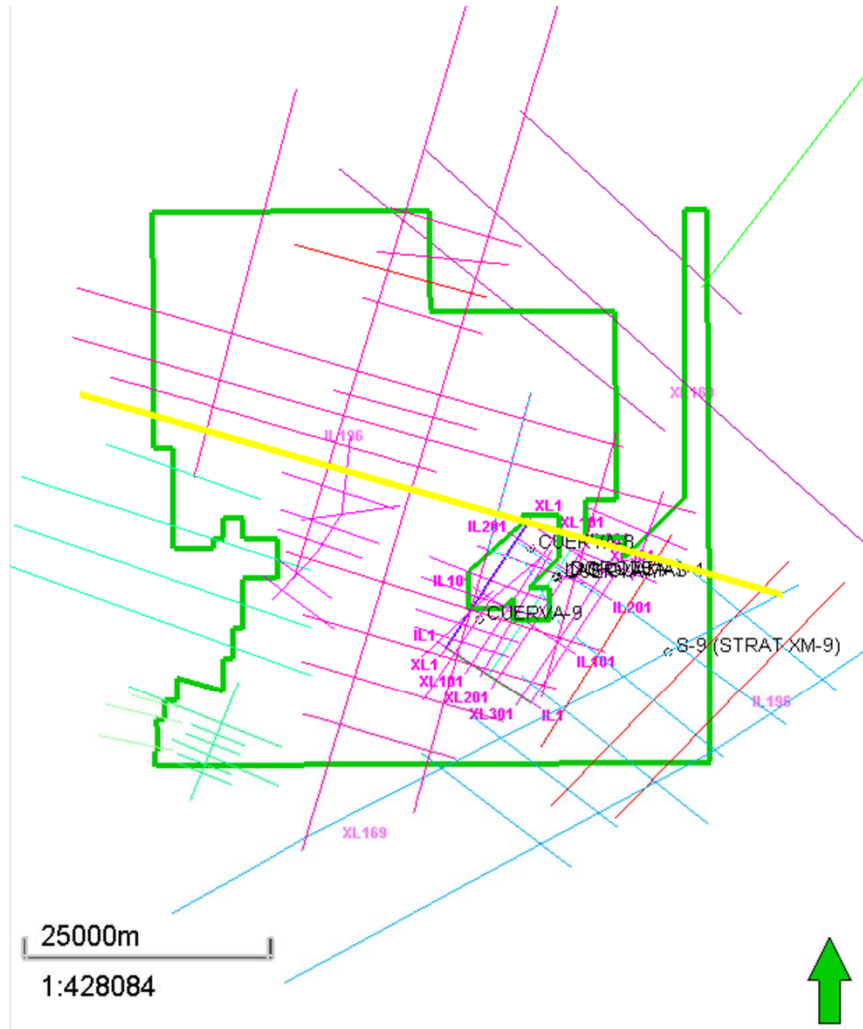
12 wells drilled

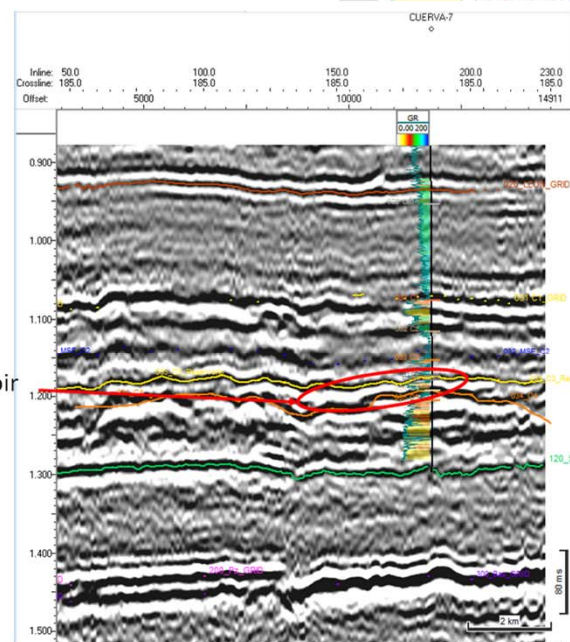
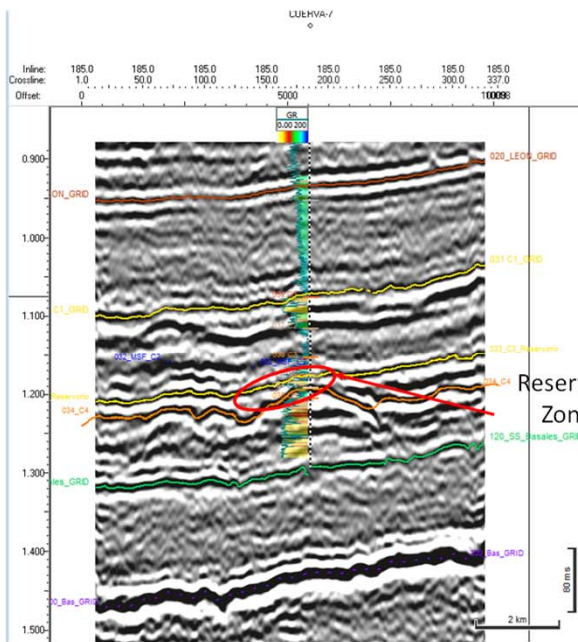
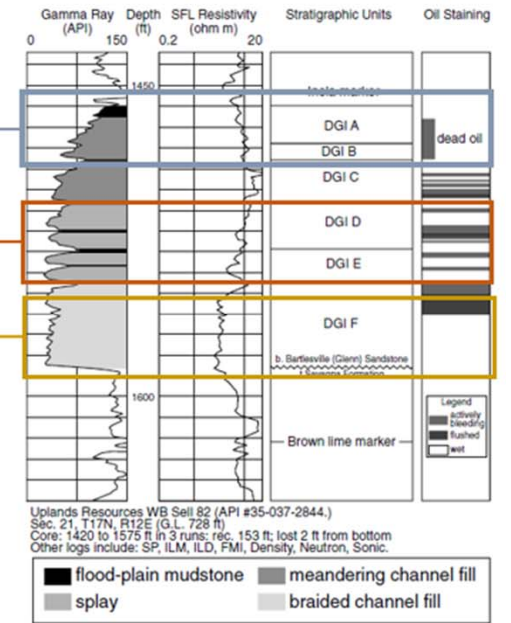
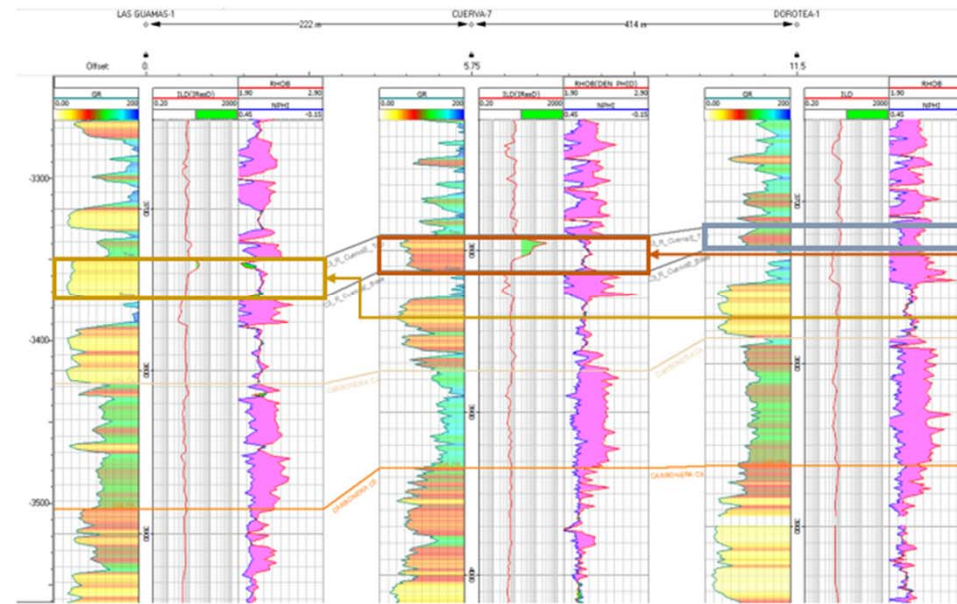
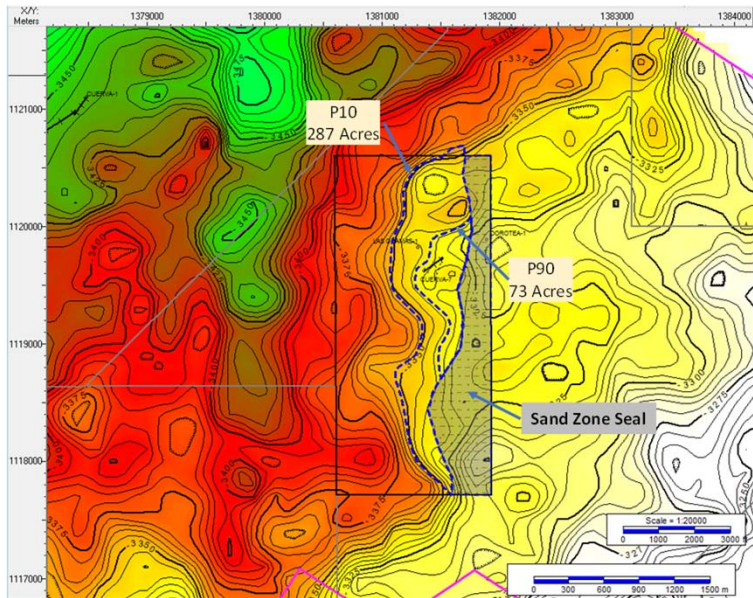
Main Reservoirs:
Carbonera Fm (C5)





RONDA LLA 111 – Seismic Dip Line

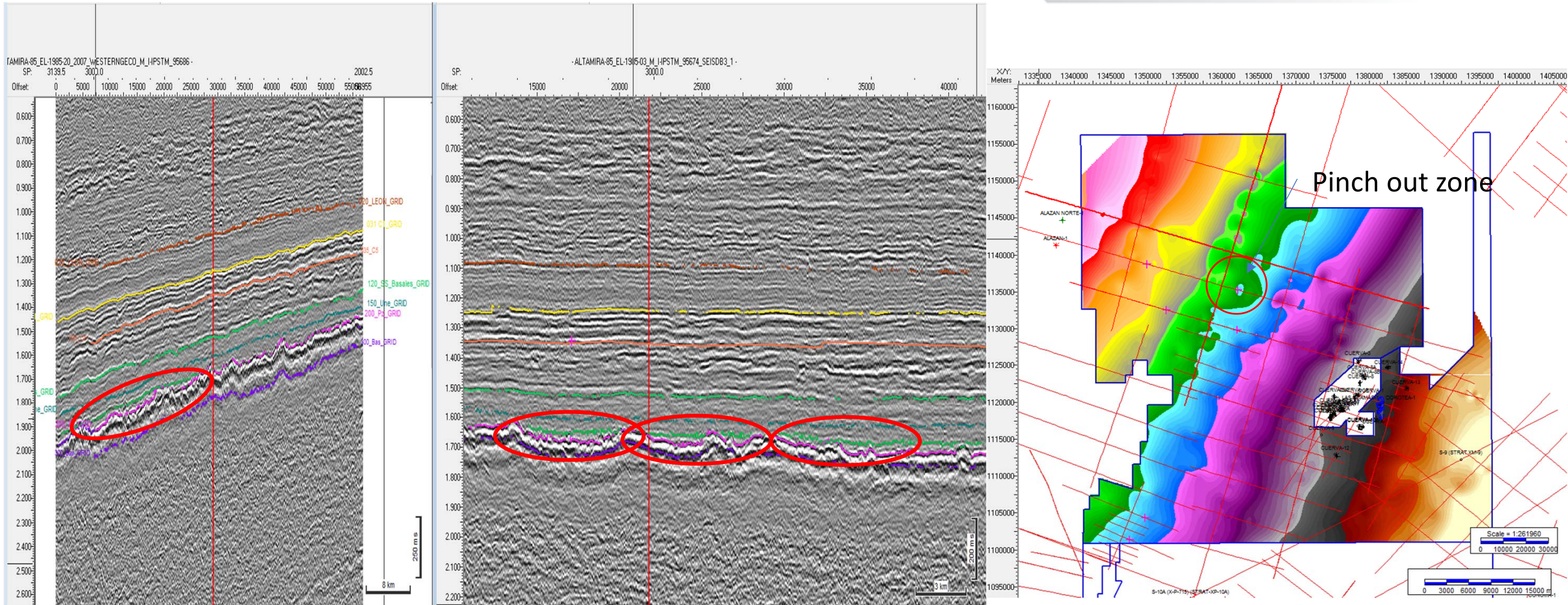




The area of Cuerva Este shows according to the drilled wells a fluvial environment associated with a Point Bar.
The area of the Dorotea-1 well functions as a seal, due to the lithological characteristics.
The Cuerva-7 well is in the most prospective area, stratigraphically speaking.

Result (D-Deterministic):	In-Place (STB)	Recoverable (STB)
Swanson's Mean	1.386 MM	348.137 M
P90	662.914 M	165.513 M
P50	1.246 MM	312.054 M
P10	2.297 MM	578.871 M
(D) CUERVA_ESTE_C3	2.347 MM	586.737 M

Dip Line IL 183 Cuerva 3D



Lower basal sands are pinch-out against the basement



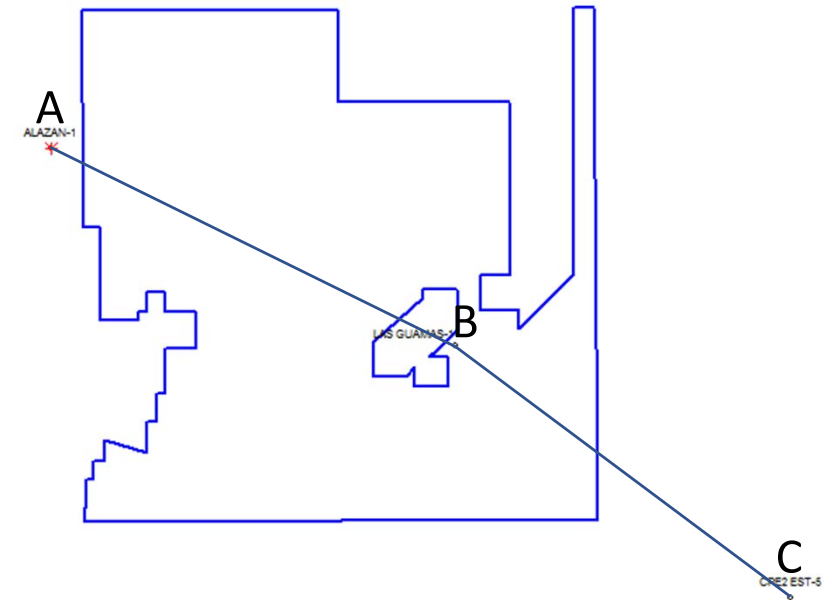
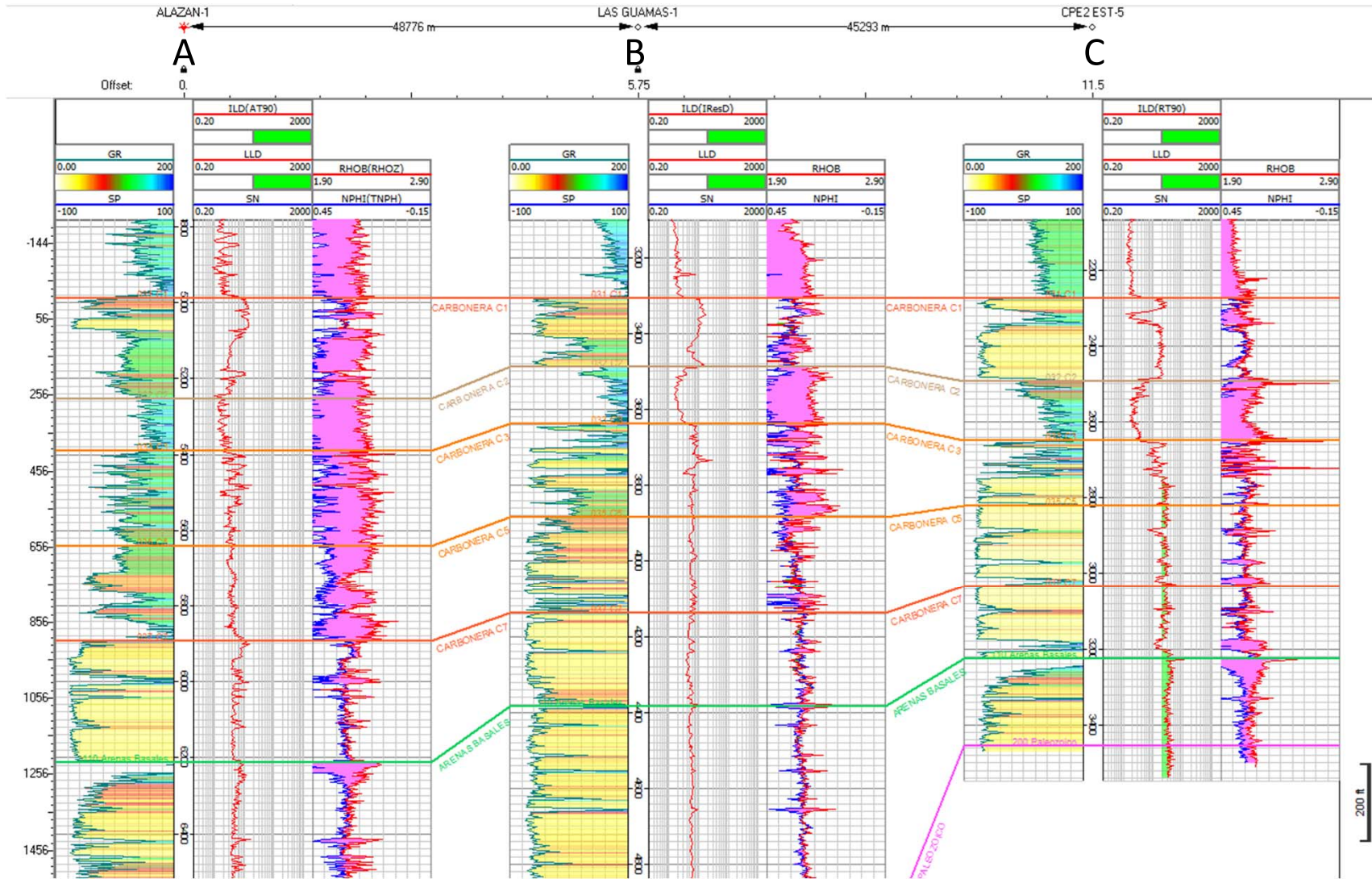
RONDA
COLOMBIA 2021

LLA 111 – Stratigraphic Correlation (C1 Datum)



El futuro
es de todos

Minenergía



Incorporated Areas

CPO 2-2



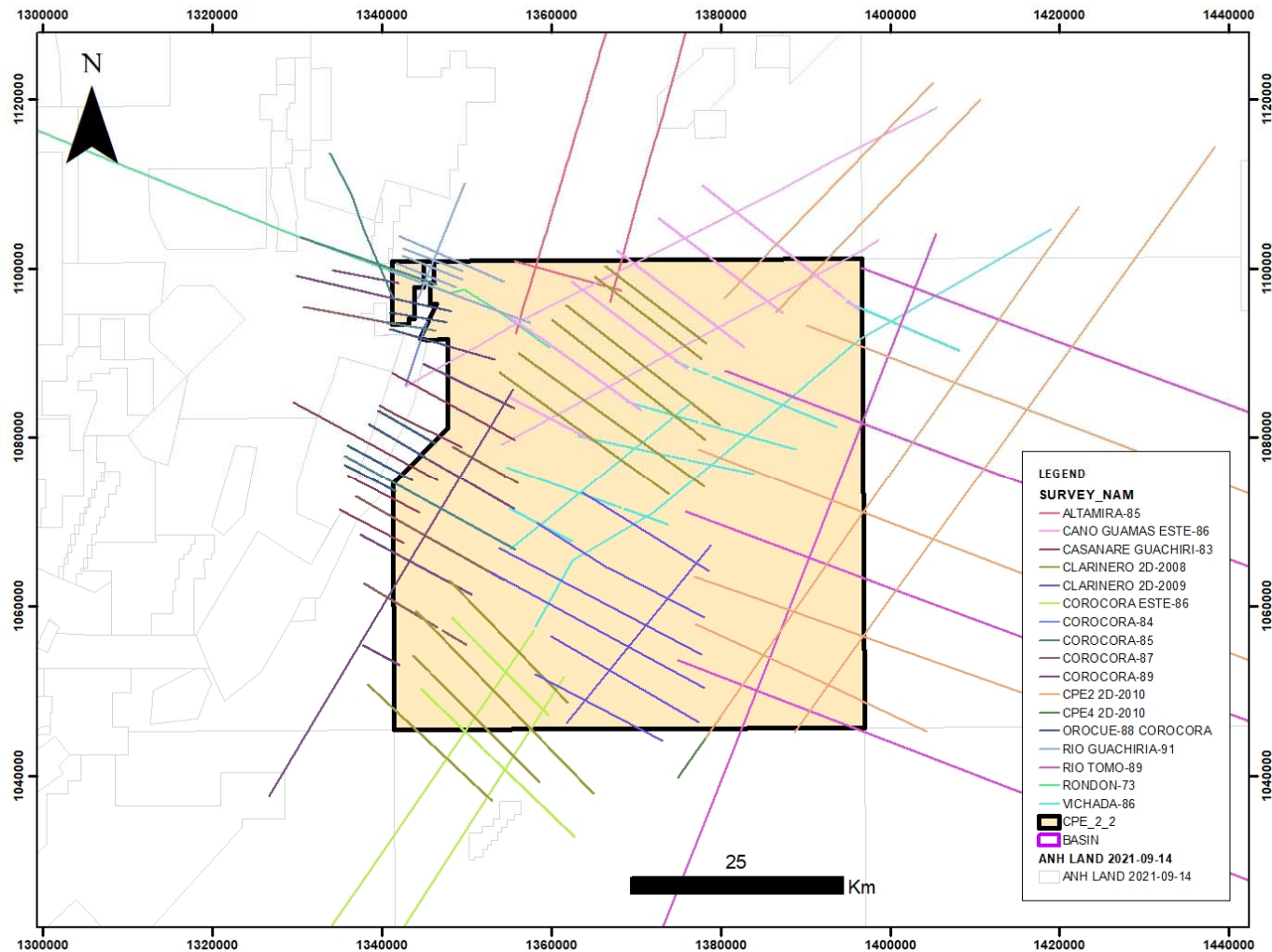
RONDA Database – 2D Seismic

COLOMBIA 2021



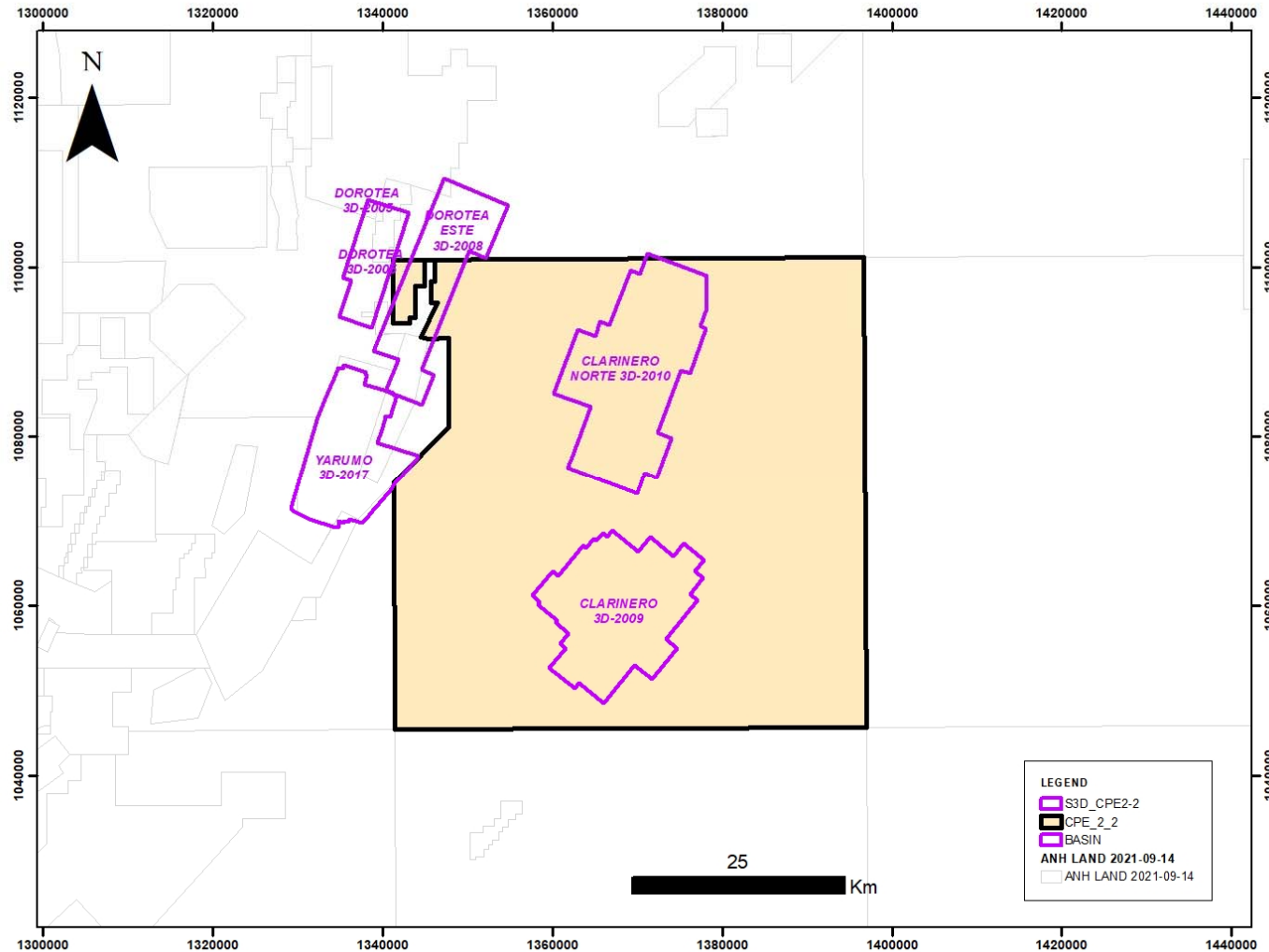
El futuro es de todos

Minenergía



SURVEY	LINES	TOTAL LENGTH	LENGTH INSIDE
ALTAMIRA-85	3	153.7	27.3
CANO GUAMAS ESTE-86	8	229.3	155.9
CASANARE GUACHIRI-83	5	65.1	20.6
CLARINERO 2D-2008	10	221.3	185.3
CLARINERO 2D-2009	7	160.4	157.3
COROCORA ESTE-86	4	130.9	44.8
COROCORA-84	1	8.0	1.3
COROCORA-85	4	64.5	23.4
COROCORA-87	4	53.6	33.8
COROCORA-89	8	129.4	68.3
CPE2 2D-2010	8	465.6	131.1
CPE4 2D-2010	1	8.6	1.5
OROCUE-88 COROCORA	7	51.7	12.0
RIO GUACHIRIA-91	6	68.8	37.0
RIO TOMO-89	5	434.8	101.3
RONDON-73	1	82.5	20.4
VICHADA-86	11	209.4	171.4
Total general	93	2537.7	1192.5

16 Seismic Program (93 lines)
Total coverage 1192 Km



3D SURVEY	AREA_TOTAL	AREA_INSIDE
CLARINERO NORTE 3D-2010	293.3	292.7
CLARINERO 3D-2009	244.8	244.8
DOROTEA ESTE 3D-2008	163.8	37.9
YARUMO 3D-2017	162.6	0.2
DOROTEA 3D-2005	67.1	0.0
Total general		575.7

5 Seismic Programs (576 Km²)
Total coverage 19%



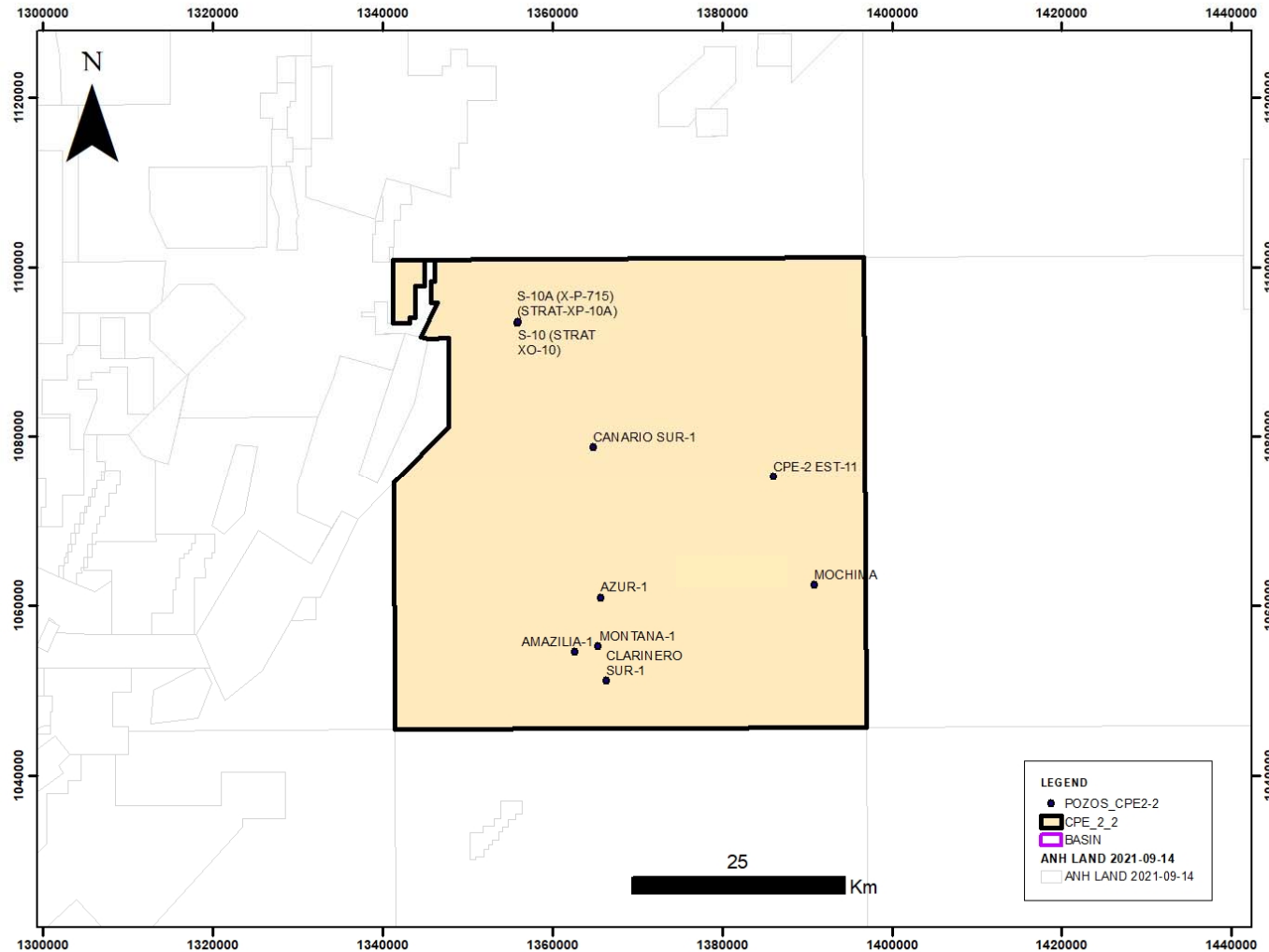
RONDA Database - Wells

COLOMBIA 2021



El futuro es de todos

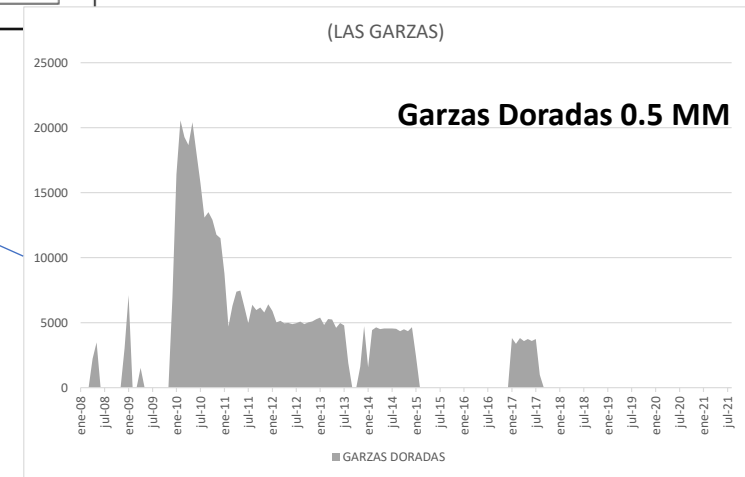
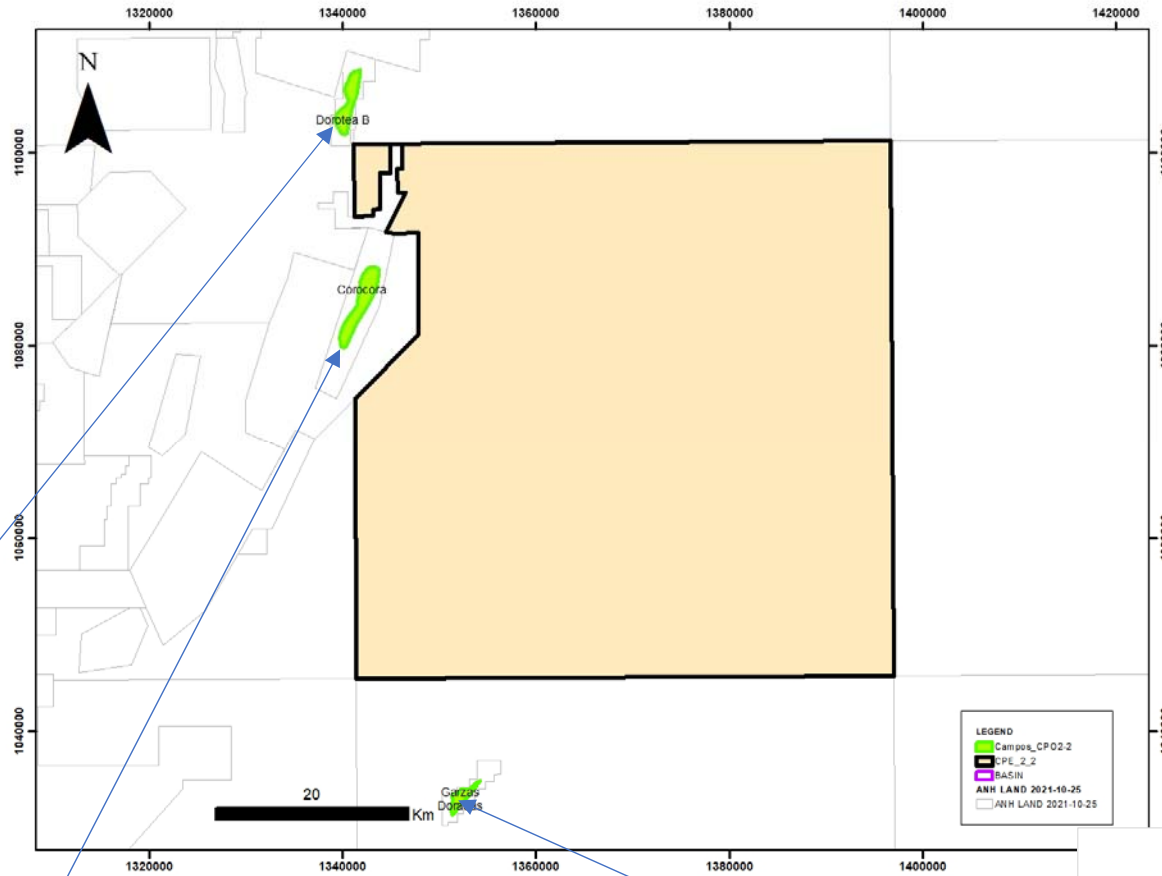
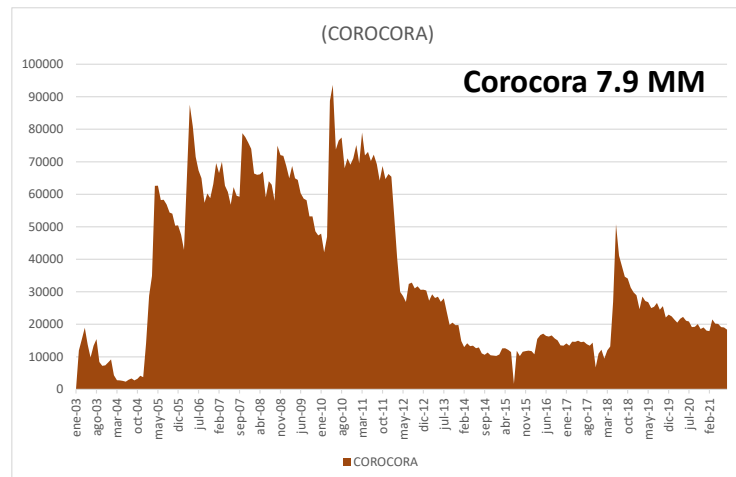
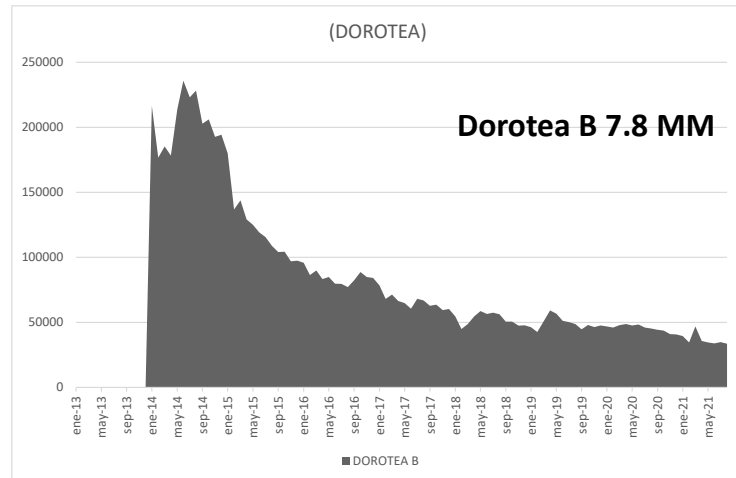
Minenergía

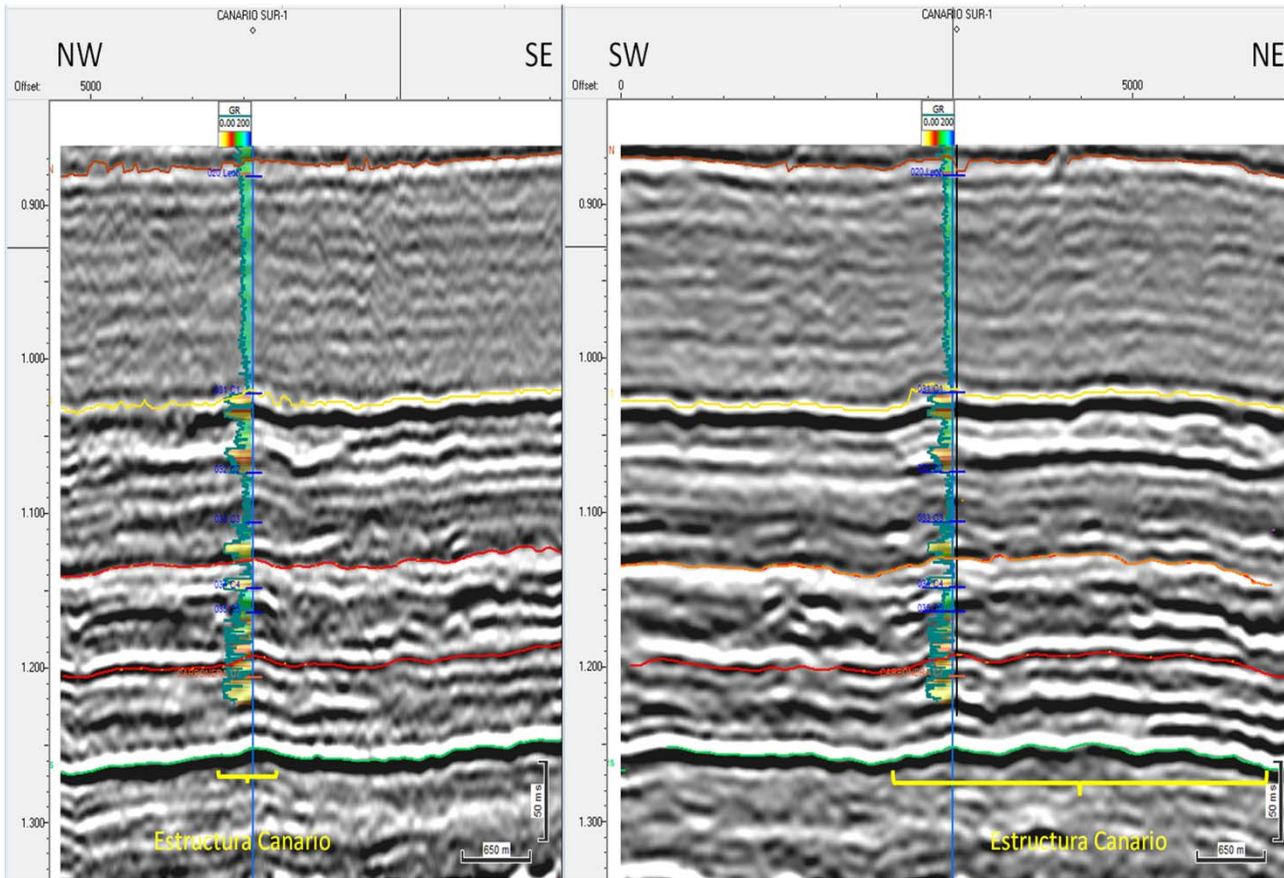


WELL_NAME	RTE	TD	WELL_SPUD
S-10 (STRAT XO-10)	459	3737	01/08/1958
S-10A (X-P-715) (STRAT-XP-10A)	430	6089	16/08/1958
CLARINERO SUR-1	419.5	4332	14/03/2011
AMAZILIA-1	404	3730	01/04/2011
MONTANA-1	427	4299	01/04/2011
CPE-2 EST-11	416.4	4145	08/03/2012
MOCHIMA	424.2	3794	28/01/2013
CANARIO SUR-1	372	4100	09/03/2013
AZUR-1	427	4030	21/02/2014

9 wells drilled

Main Reservoirs:
Carbonera Fm (C5)

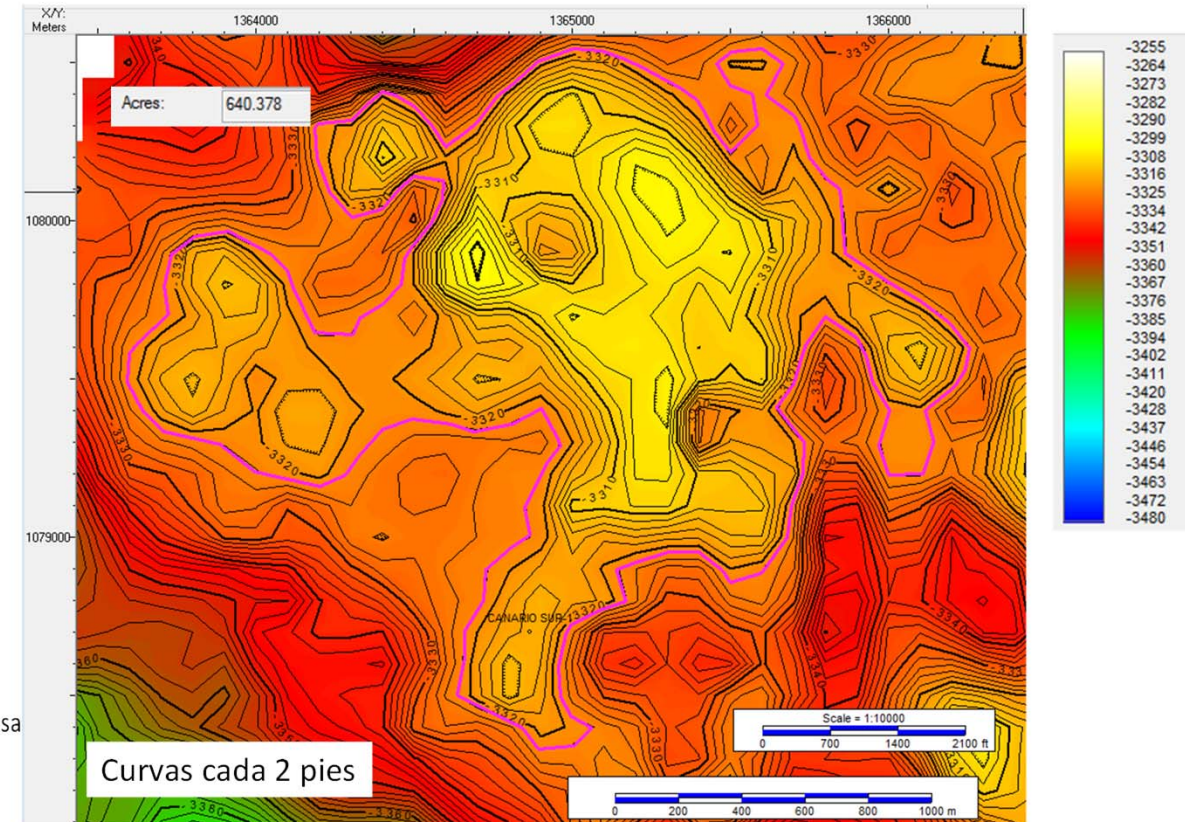




IL 82 – Dip Line

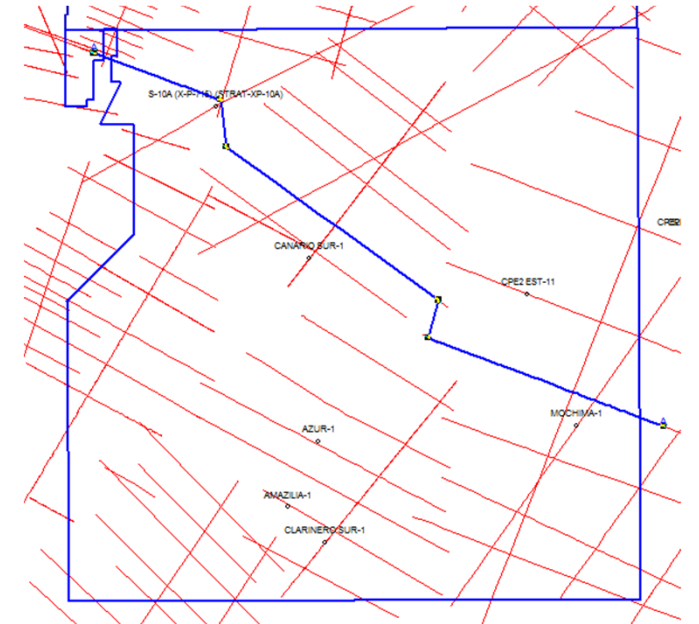
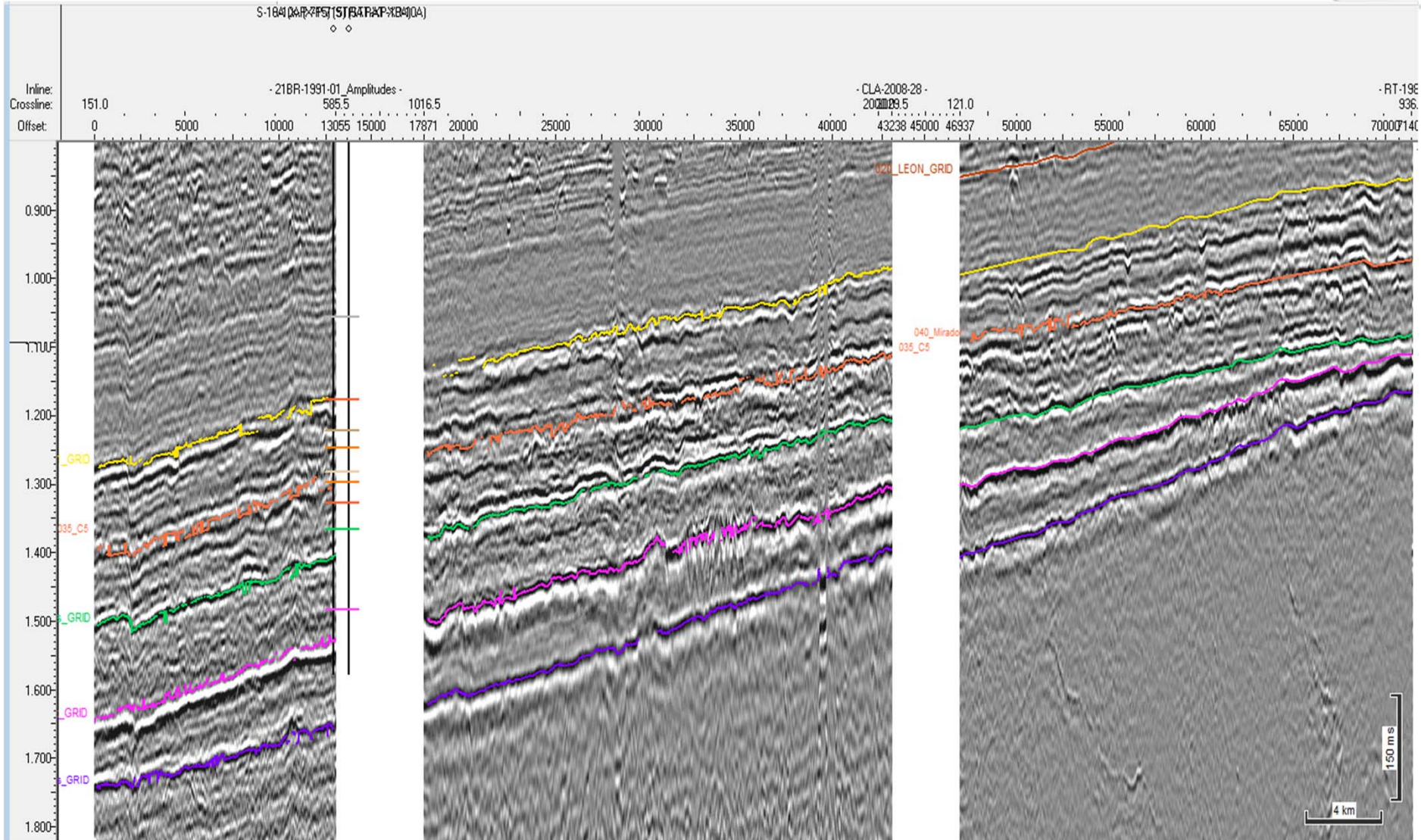
XL 330 – Strike Line

C1
C4
C7
Arenas Basa

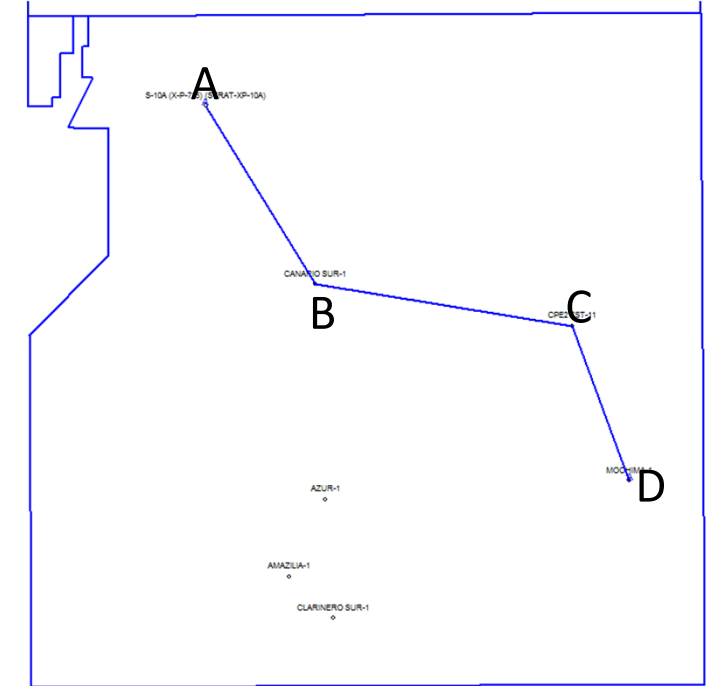
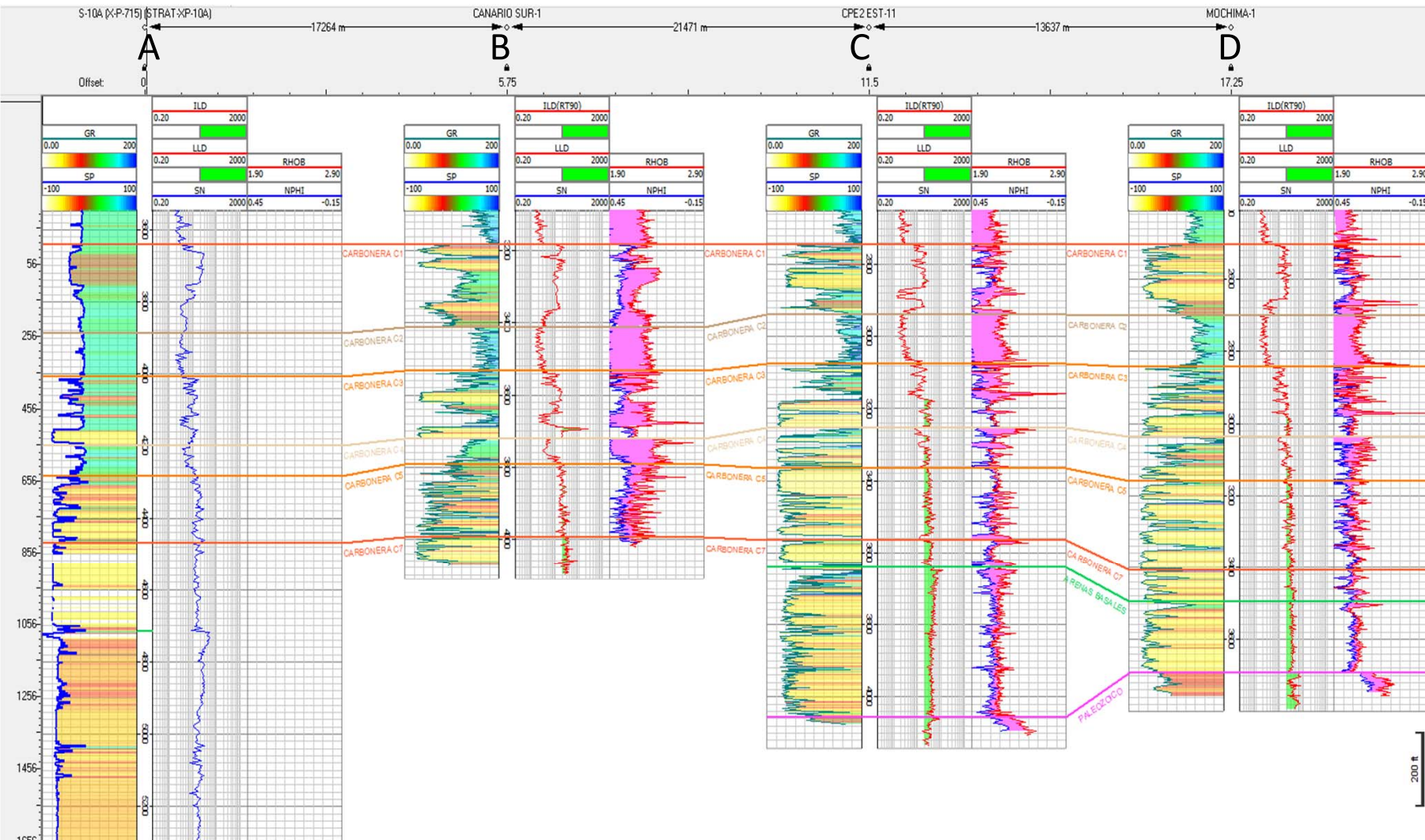


Curvas cada 2 pies

Result (D-Deterministic)	In-Place (STB)	Recoverable (STB)
Swanson's Mean	3.936 MM	983.961 M
P90	1.982 MM	491.311 M
P50	3.554 MM	891.284 M
P10	6.399 MM	1.600 MM
(D) CANARIO SUR-1_3322	5.308 MM	1.327 MM



CPO 2-2– Stratigraphic Correlation (C1 Datum)



Incorporated Areas

LLA 95

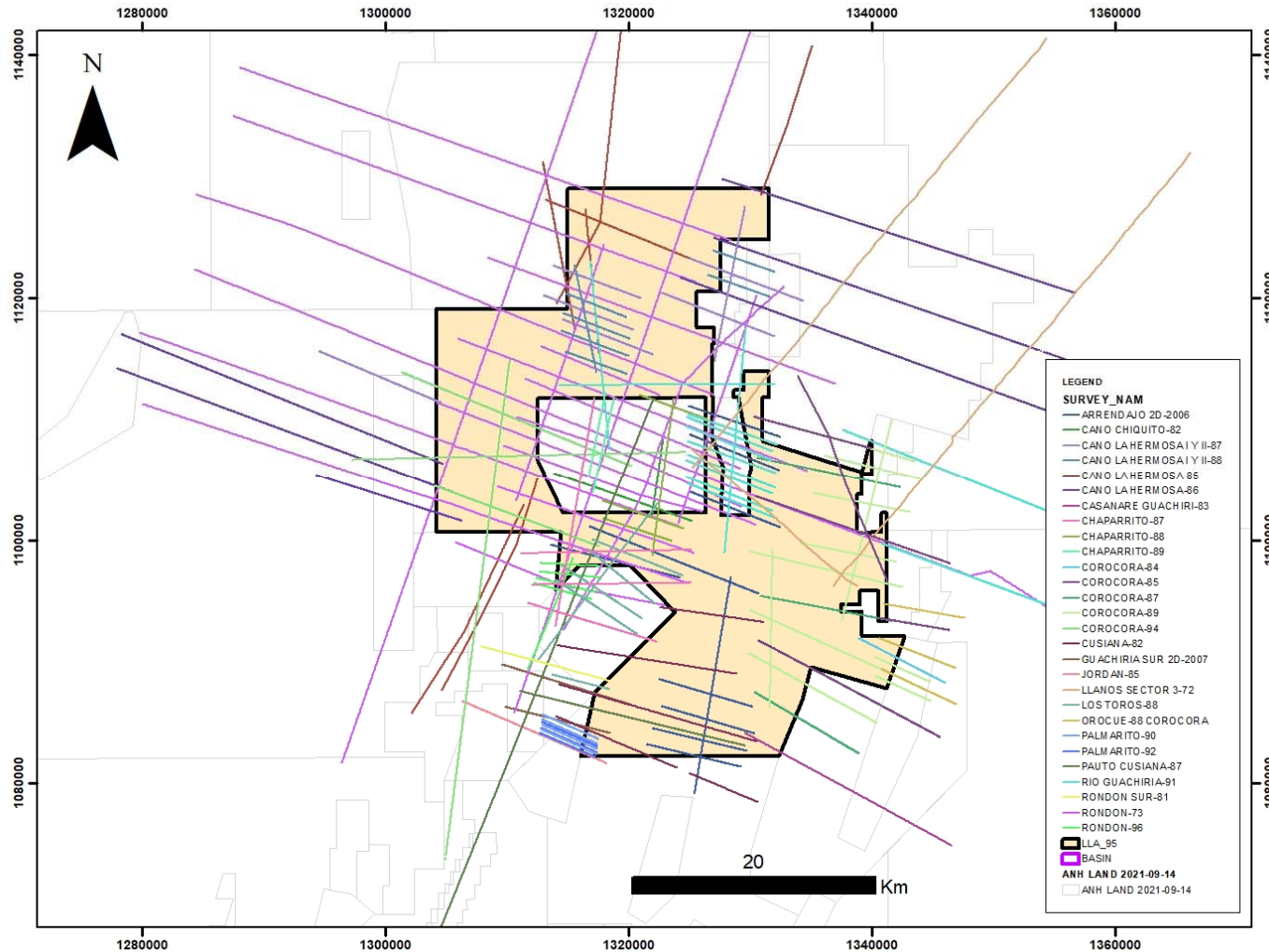


RONDA Database – 2D Seismic



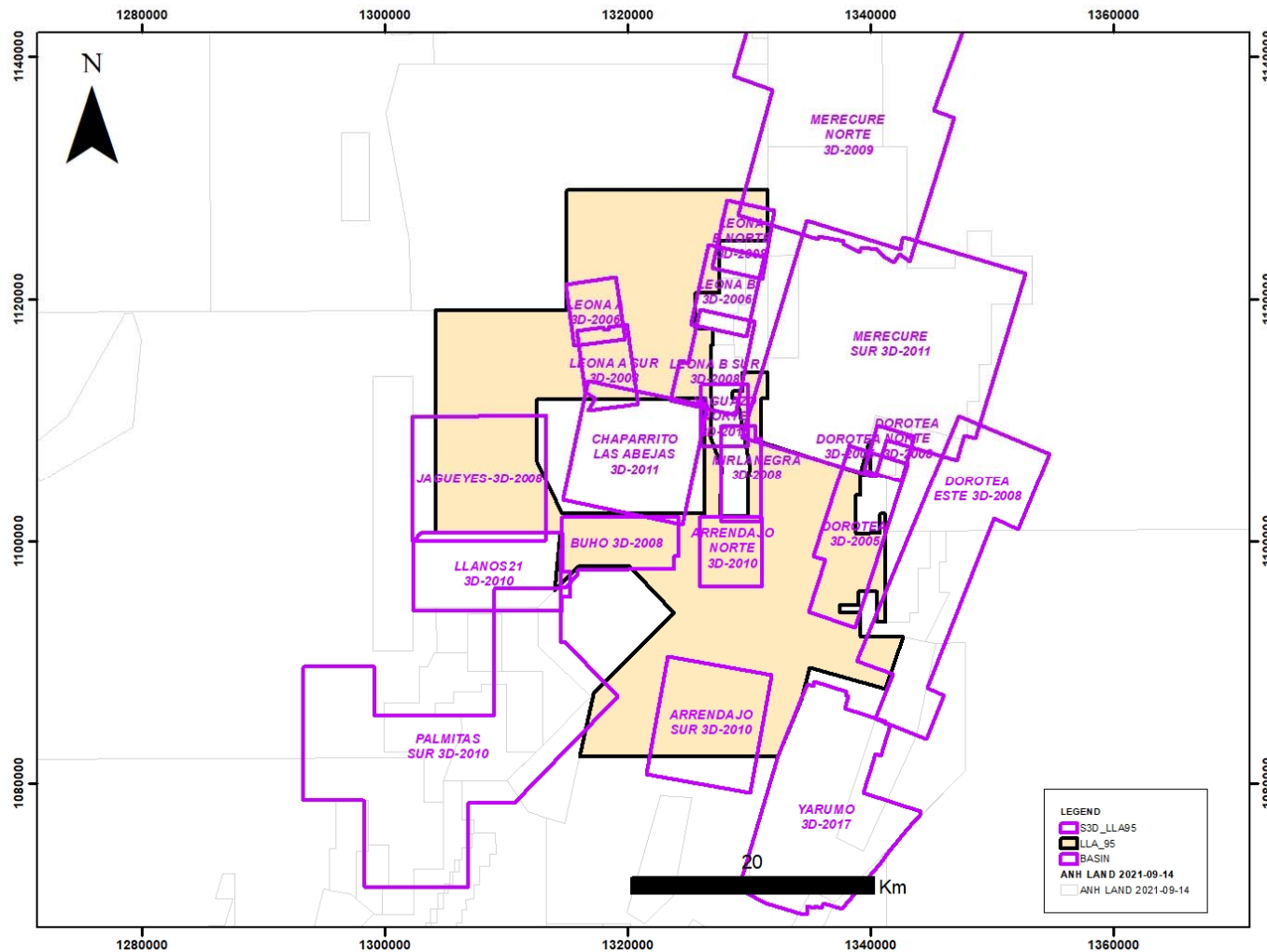
El futuro es de todos

Minenergía



SURVEY	LINES	TOTAL LENGTH	LENGTH INSIDE
ARREDAJO 2D-2006	10	100.2	78.2
CANO CHIQUITO-82	2	19.0	2.5
CANO LA HERMOSA I Y II-87	7	67.6	29.4
CANO LA HERMOSA I Y II-88	7	42.4	33.2
CANO LA HERMOSA-85	7	116.0	42.6
CANO LA HERMOSA-86	6	166.8	9.7
CASANARE GUACHIRI-83	1	19.4	3.3
CHAPARRITO-87	4	57.4	21.3
CHAPARRITO-88	4	32.1	14.4
CHAPARRITO-89	2	15.1	0.6
COROCORA-84	1	8.0	3.5
COROCORA-85	5	68.6	25.7
COROCORA-87	3	33.1	21.8
COROCORA-89	11	107.5	64.6
COROCORA-94	4	103.3	45.9
CUSIANA-82	4	57.6	35.9
GUACHIRIA SUR 2D-2007	2	20.0	5.0
JORDAN-85	1	13.0	0.8
LLANOS SECTOR 3-72	3	110.3	24.3
LOS TOROS-88	6	52.2	18.0
OROCUE-88 COROCORA	3	20.5	3.2
PALMARITO-90	4	20.3	4.9
PALMARITO-92	3	15.2	3.6
PAUTO CUSIANA-87	2	71.1	17.6
RIO GUACHIRIA-91	13	149.9	56.2
RONDON SUR-81	1	11.0	0.2
RONDON-73	21	779.2	257.4
RONDON-96	5	30.1	5.7
Total general	142	2307.1	829.7

28 Seismic Program (142 lines)
Total coverage 829 Km



3D SURVEY	AREA_TOTAL	AREA_INSIDE
JAGUEYES-3D-2008	114.3	84.8
ARREDAJO SUR 3D-2010	85.6	65.7
DOROTEA 3D-2005	67.1	44.2
BUHO 3D-2008	43.3	41.0
ARREDAJO NORTE 3D-2010	29.2	29.2
LEONA A SUR 3D-2008	26.8	24.3
LEONA A 3D-2006	21.5	21.5
LEONA B SUR 3D-2008	39.0	14.5
LEONA B NORTE 3D-2008	23.5	12.2
MIRLANEGRA 3D-2008	26.0	10.0
DOROTEA ESTE 3D-2008	163.8	8.6
CHAPARRITO LAS ABEJAS 3D-2011	101.5	7.8
MERECURE SUR 3D-2011	330.4	7.3
YAGUAZO NORTE 3D-2010	19.8	6.6
LEONA B 3D-2006	31.6	5.8
MERECURE NORTE 3D-2009	380.0	5.4
PALMITAS SUR 3D-2010	307.1	4.0
LLANOS21 3D-2010	79.8	2.2
DOROTEA NORTE 3D-2008	12.4	0.6
YARUMO 3D-2017	162.6	0.1
Total general	374.9	

20 Seismic Programs (375 Km²)
Total coverage 43%

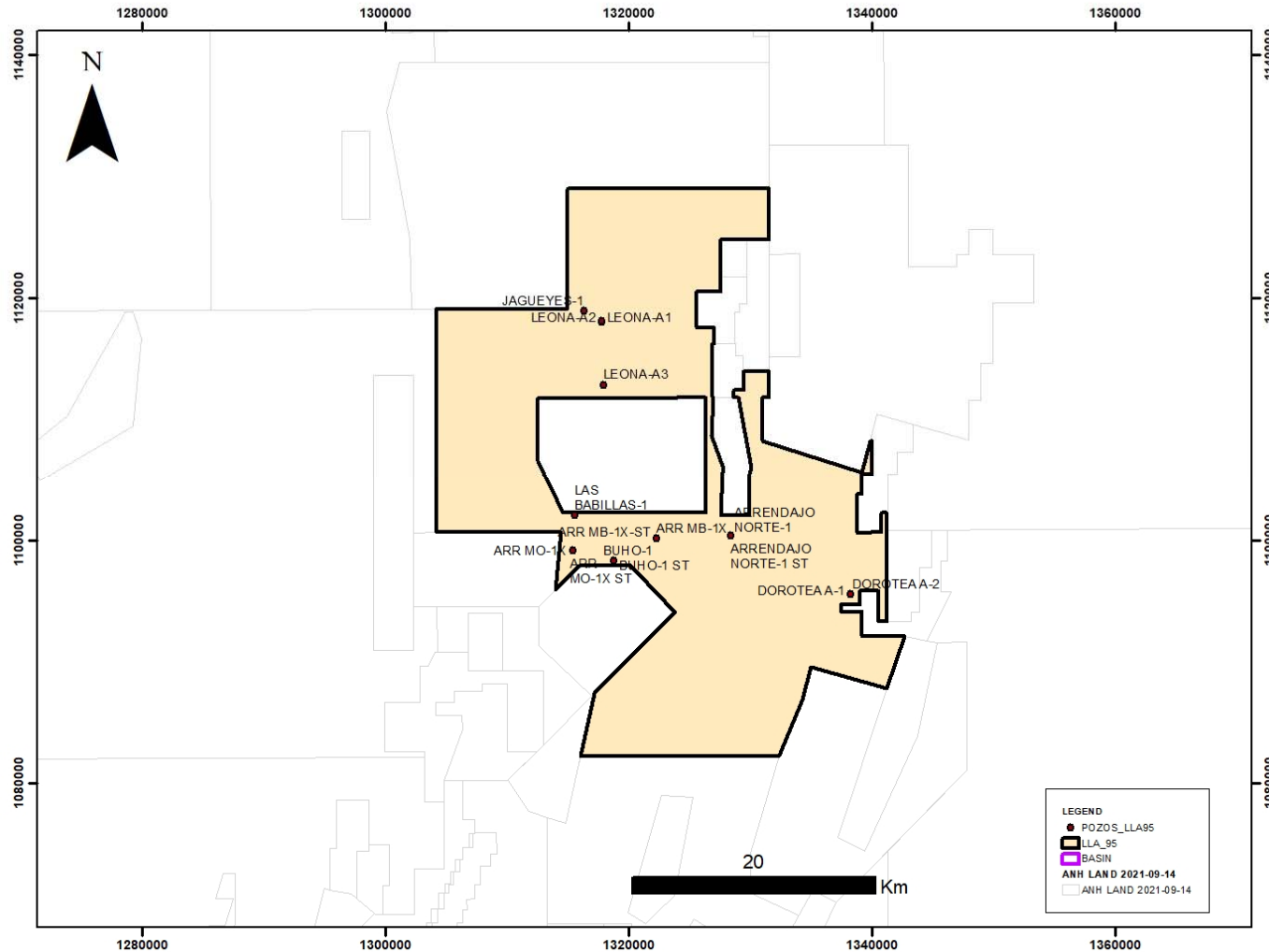


RONDA Database - Wells



El futuro es de todos

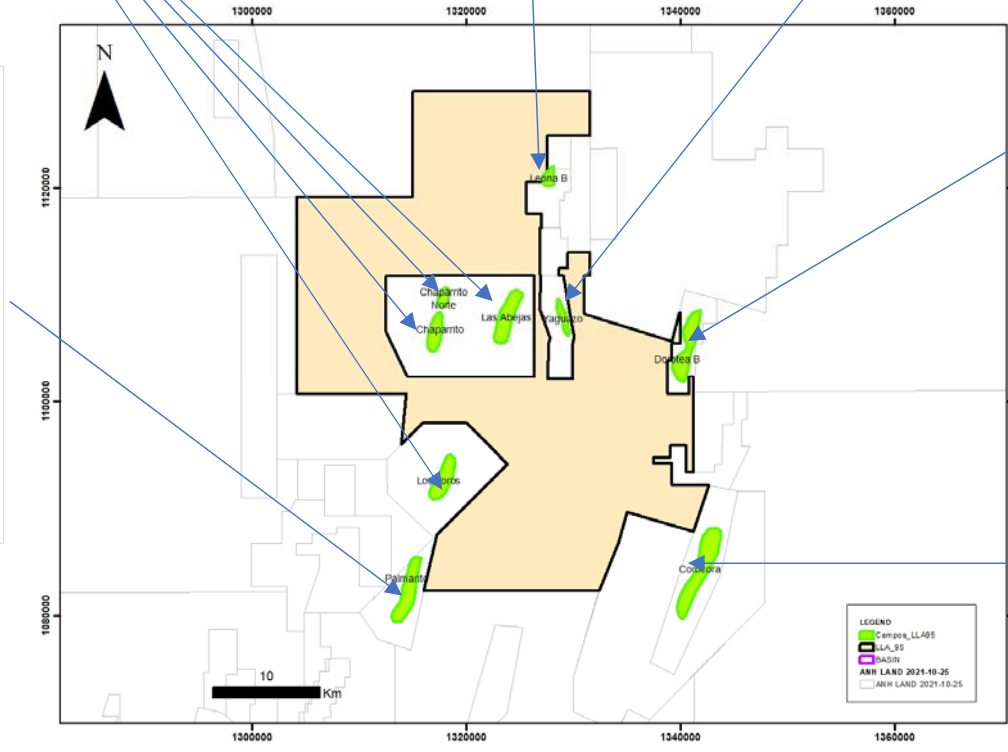
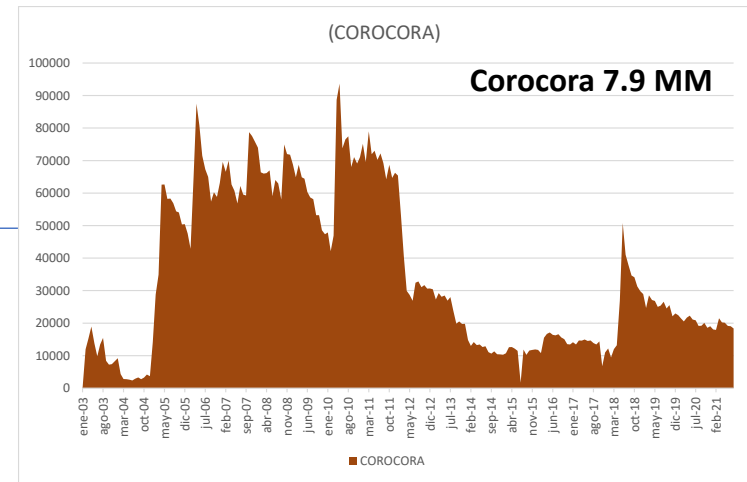
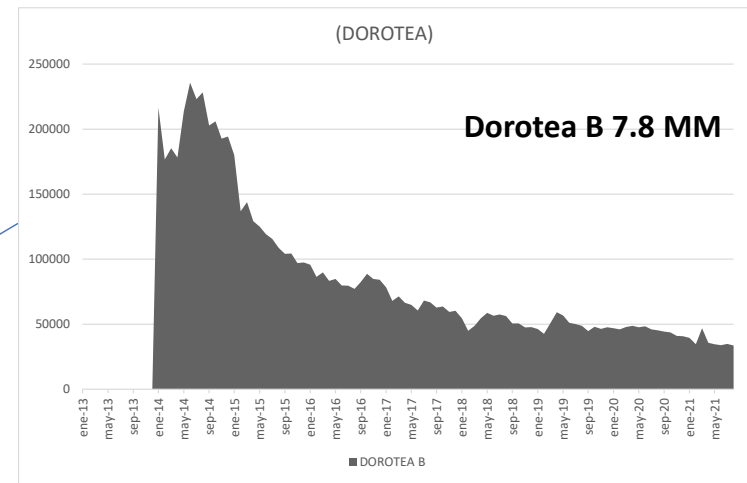
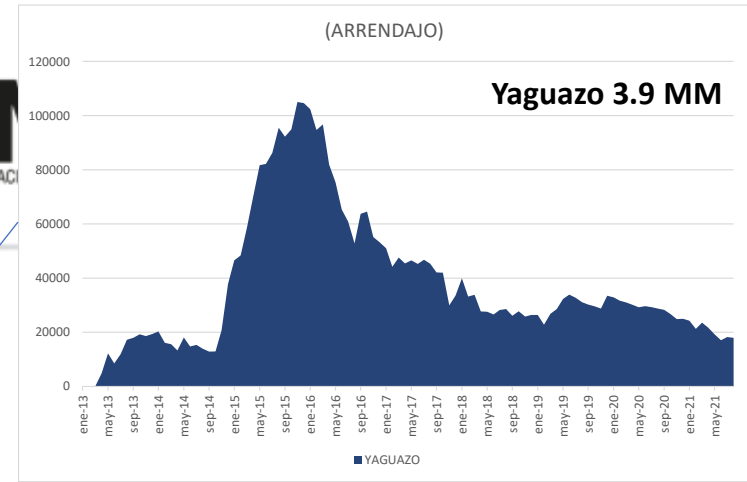
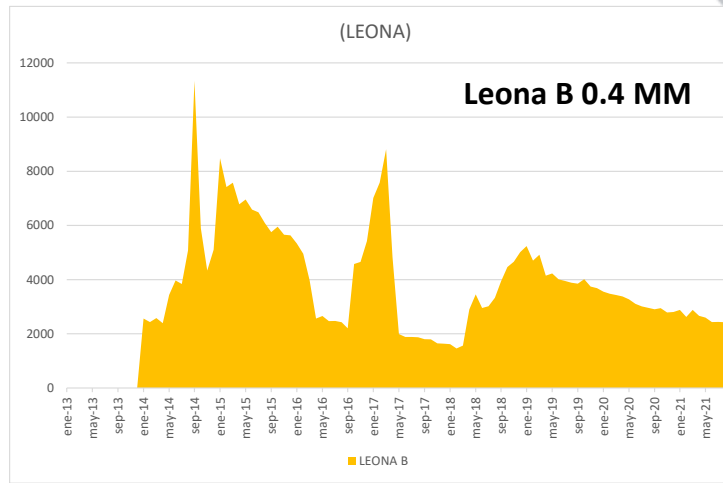
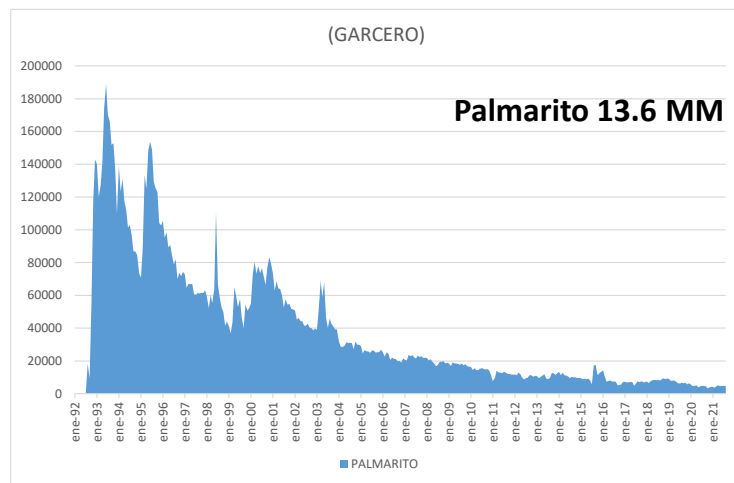
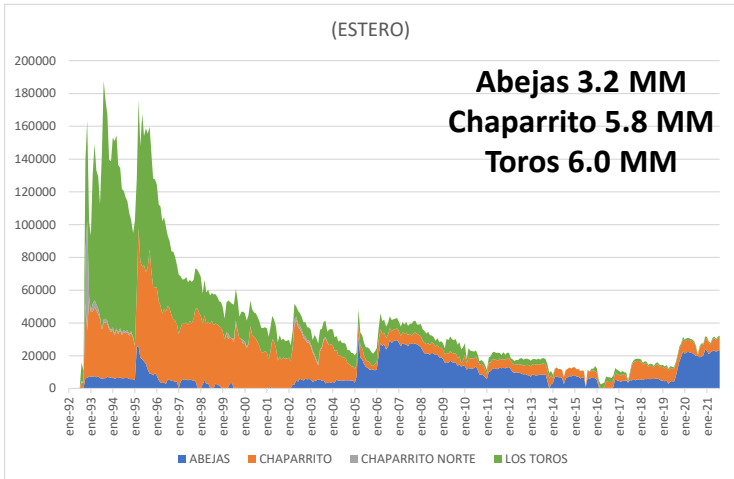
Minenergía



WELL_NAME	RTE	TD	WELL_SPUD
JAGUEYES-1	492	7950	02/03/1986
LAS BABILLAS-1	491	6150	01/03/2002
BUHO-1	453	6242	19/03/2007
LEONA-A1	476	7033	12/04/2007
DOROTEA A-1	424	5930	11/04/2008
LEONA-A2	475	8250	18/10/2008
LEONA-A3	469	6598	12/10/2009
DOROTEA A-2	420	5200	01/10/2010
ARREDAJO NORTE-1	482	6928	28/01/2012
ARREDAJO NORTE-1 ST	482	7343	19/02/2012
ARR MB-1X	451	6780	16/05/2013
ARR MB-1X-ST	451	6780	26/05/2013
BUHO-1 ST	451	7035	06/02/2014
ARR MO-1X	473	7864	10/03/2014
ARR MO-1X ST	473	5881	21/03/2014

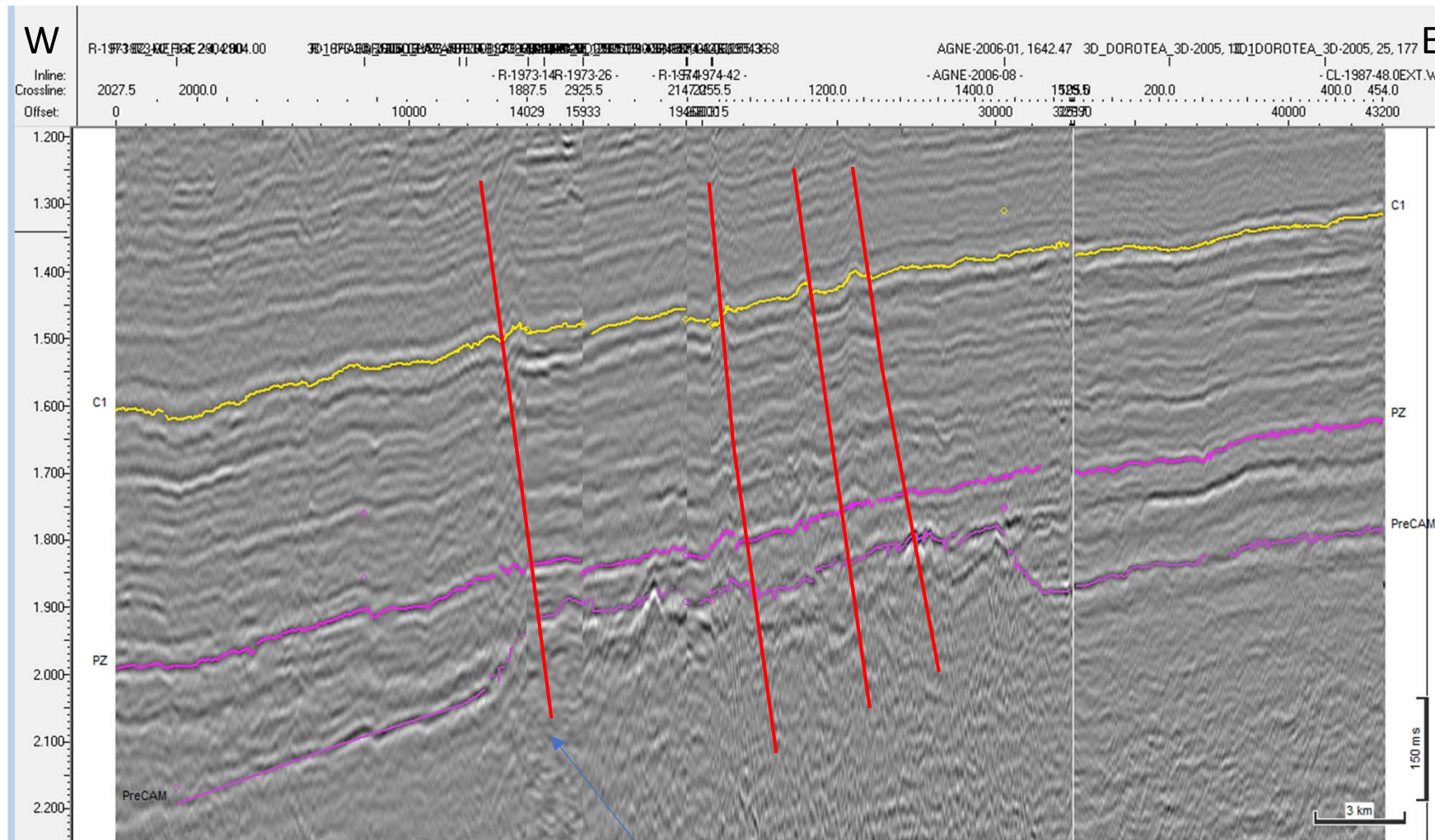
15 wells drilled

RONDA Near Oil fields
COLOMBIA 2021

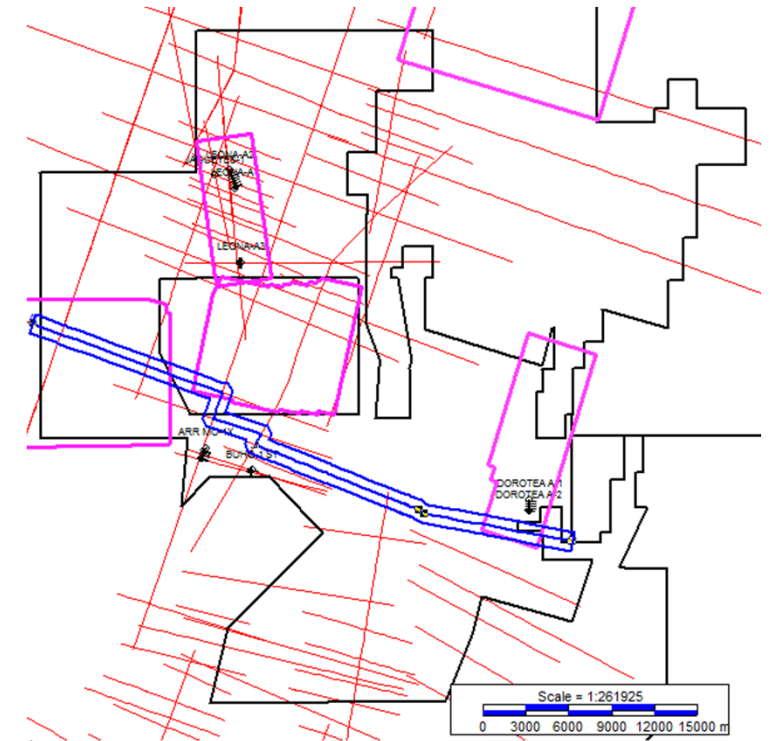


AGENCIA NACIONAL DE HIDROCARBUROS

Main Reservoirs:
Carbonera Fm (C7 & C5)



Chaparrito fault



It is possible to observe several normal antithetic faults with possibilities of generating traps.

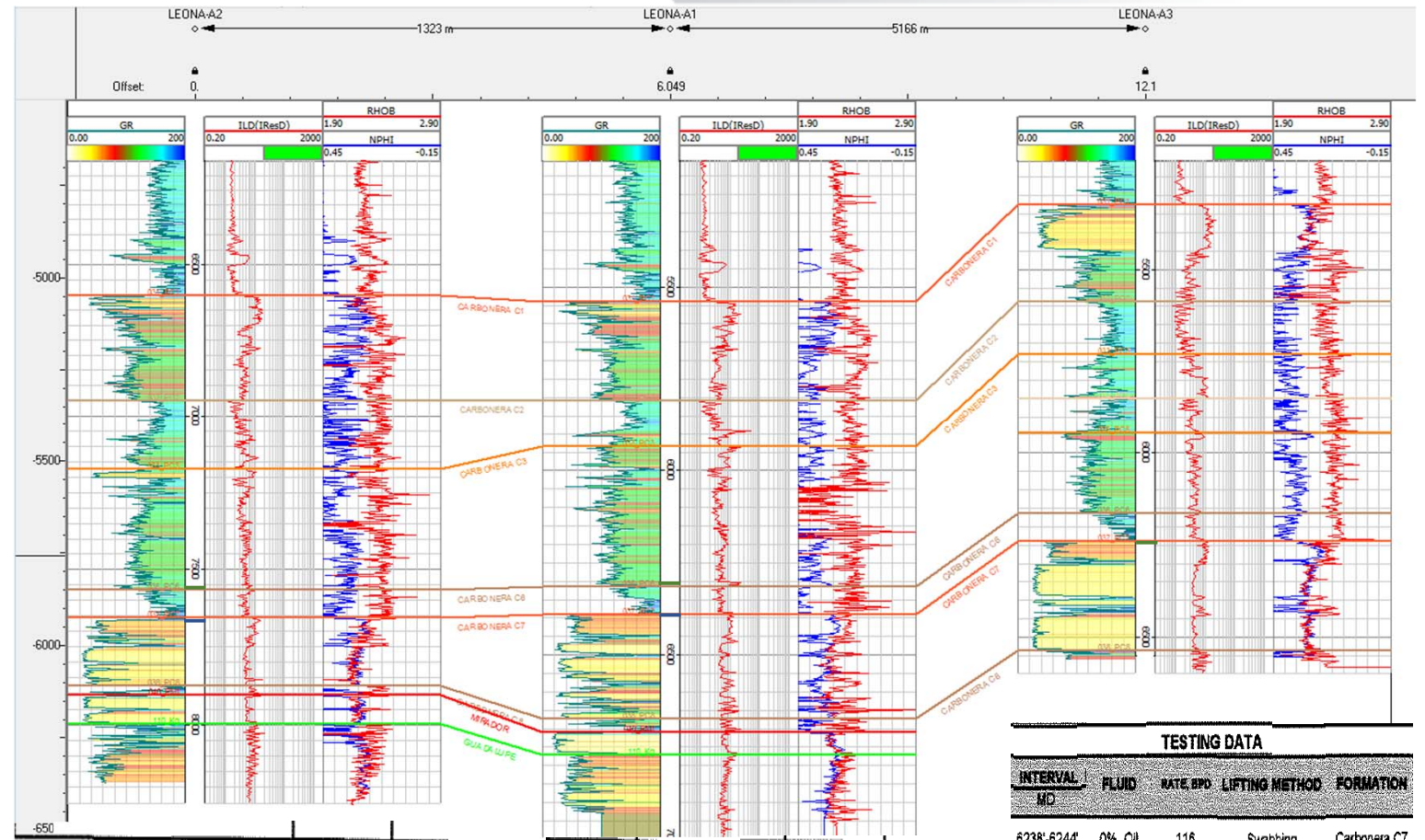
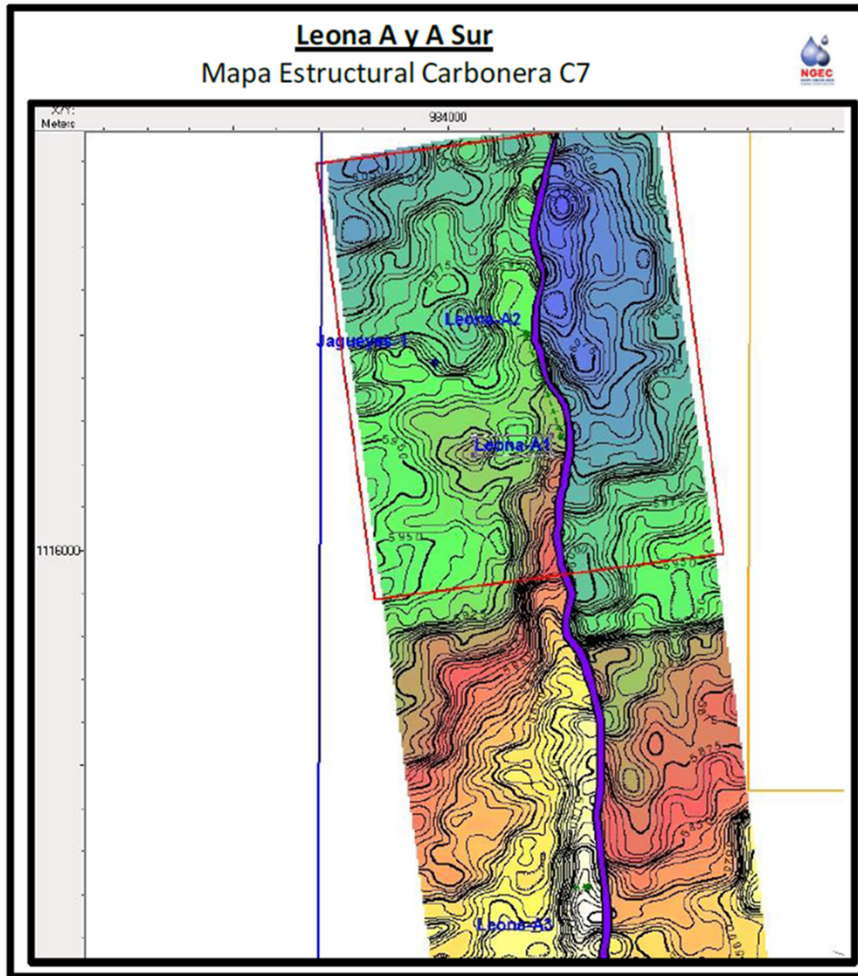


RONDA LLA 95 – Leona A

COLOMBIA 2021



El futuro es de todos Minenergía



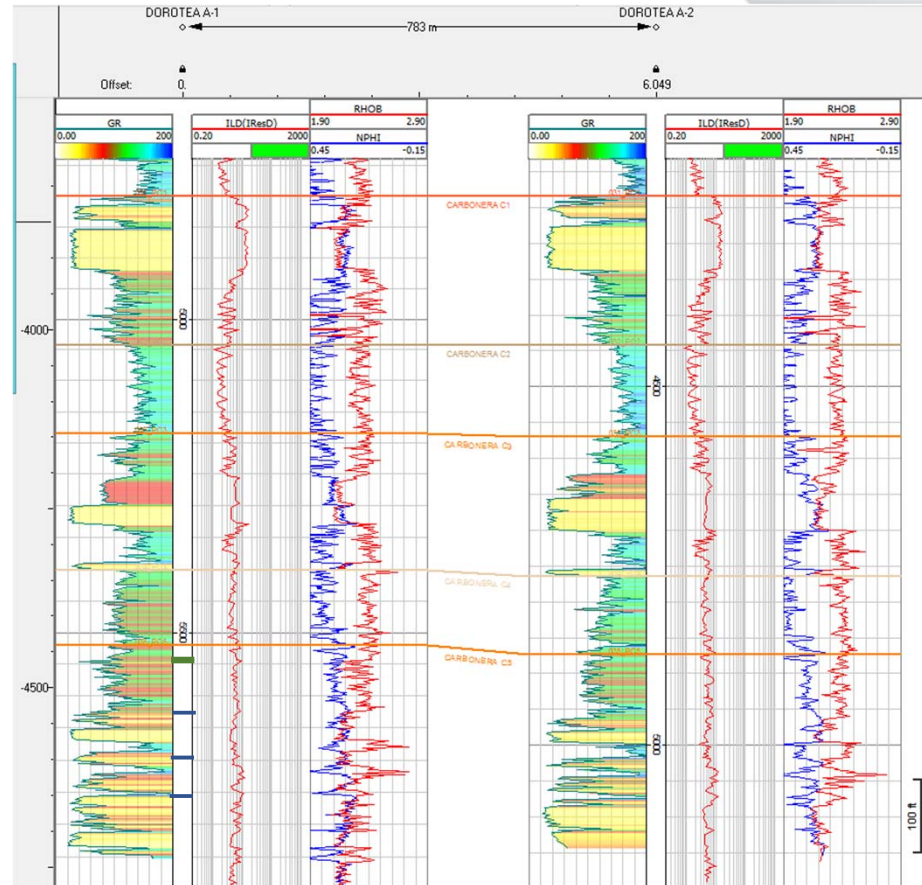
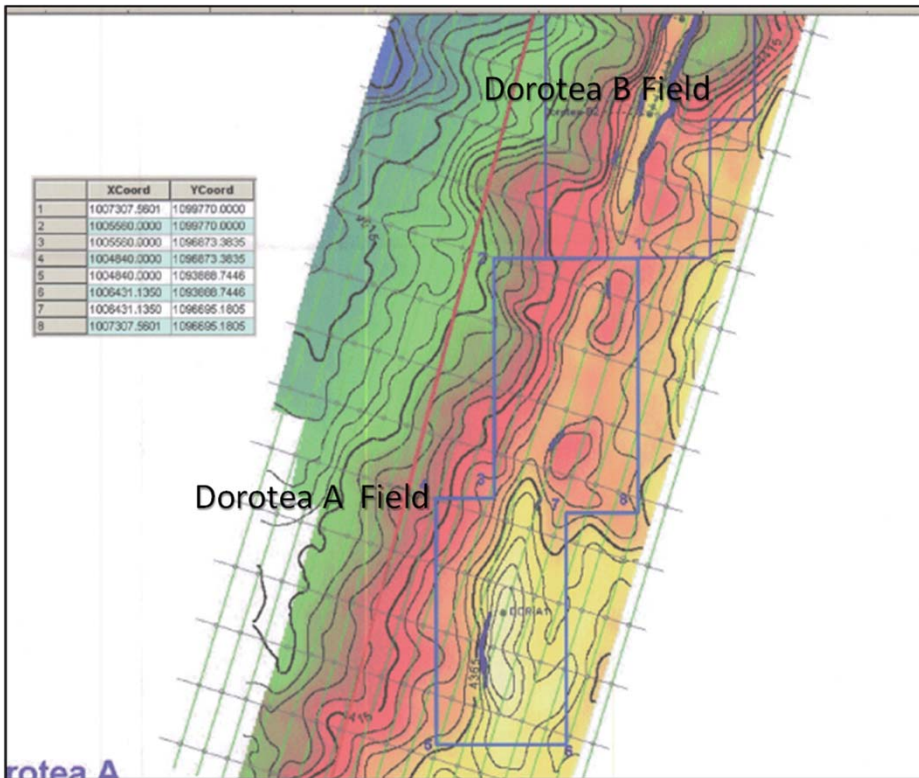
TESTING DATA				
MD	FLUID	RATE, BPD	LIFTING METHOD	FORMATION
7662' - 7666'	100%water	296	Swabbing	Carbonera_C7M
7661' - 7668'	100%water	252	Swabbing	Carbonera_C7M
7661' - 7668'	99,7%water	649	Swabbing	Carbonera_C7M
7563' - 7569'	56,1%oil	198	Swabbing	Carbonera_C5

TESTING DATA				
INTERVAL MD	FLUID	RATE, BPD	LIFTING METHOD	FORMATION
6385' - 6392'	0% oil	387	Swabbing	Carbonera C7-M
6305'-6309'	11,4% Oil	430	Swabbing	Carbonera C5
6305'-6309'	0% oil	328	Swabbing	Carbonera C5
6305'-6309'	0% oil	525	Swabbing	Carbonera C5
6302' - 6309'	43% oil	296	Swabbing	Carbonera C5

TESTING DATA				
INTERVAL MD	FLUID	RATE, BPD	LIFTING METHOD	FORMATION
6238'-6244'	0% Oil	116	Swabbing	Carbonera C7
6238'-6244'	26% Oil	457	Swabbing	Carbonera C7

Accumulated production

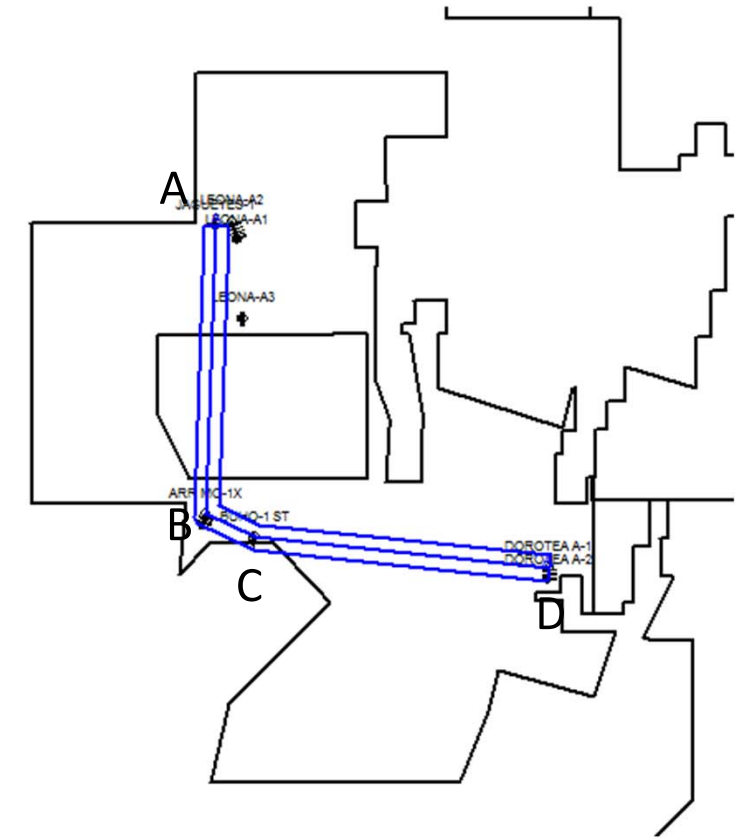
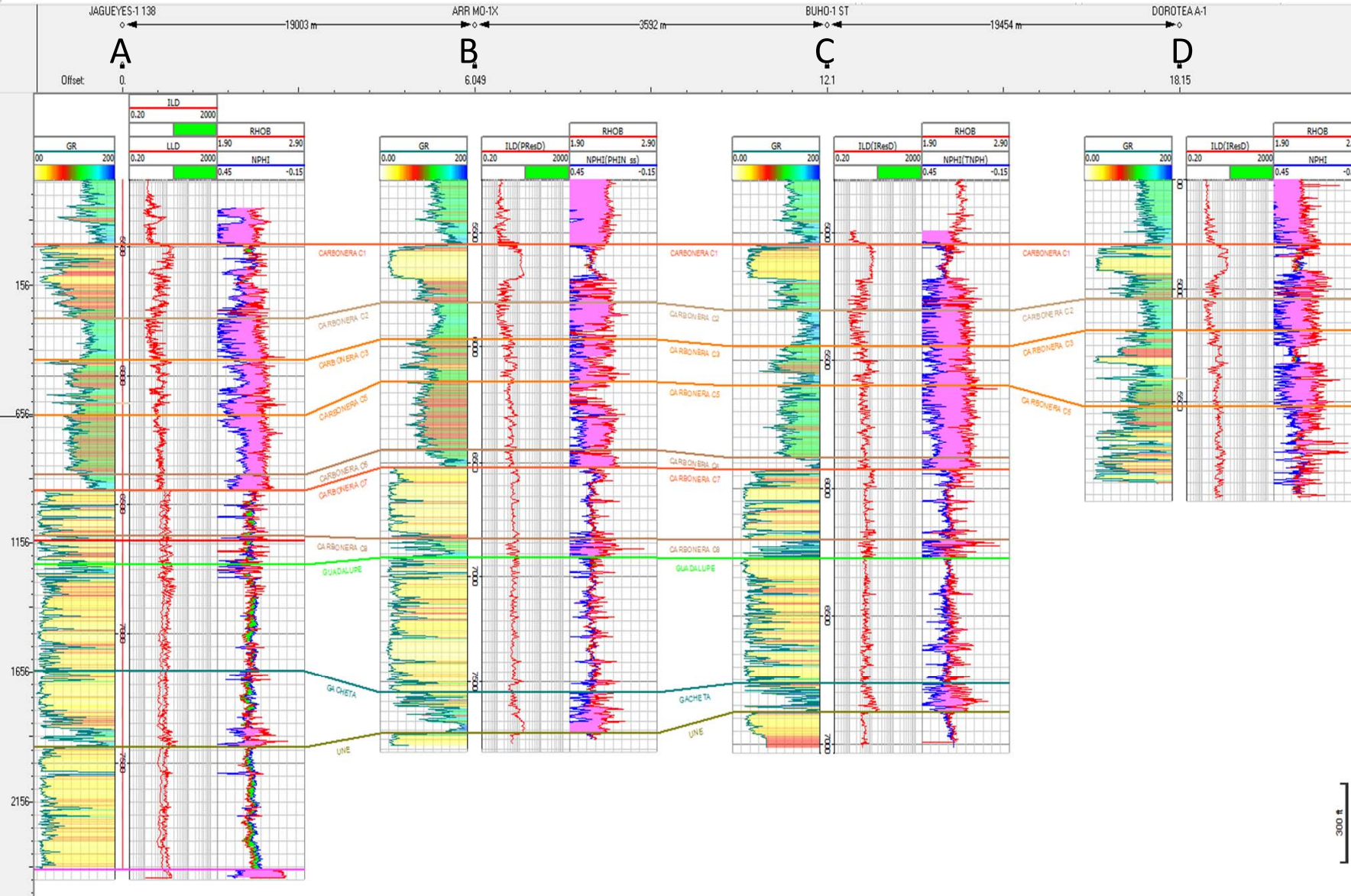
- Leona A1: 24124 Bls Oil, 22104 bls water (408 days)
- Leona A2: 30514 Bls Oil, 7936 bls water (675 days)
- Leona A3: 32282 Bls Oil, 306631 bls water (394 days)



TESTING DATA				
INTERVAL MD	FLUID	RATE, BPD	LIFTING METHOD	FORMATION
5755' - 5758'	96,8% wate	1572	Swabbing	Carbonera C7M
5695' - 5698'	96,7% wate	924	Swabbing	Carbonera C7M
5628' - 5631'	96,3% wate	693	Swabbing	Carbonera C7M
5628' - 5631'	91,4% wate	1781	Swabbing	Carbonera C7M
5628' - 5631'	87,7% wate	2030	Swabbing	Carbonera C7M
5545' - 5547'	98,3% oil	552,00	Swabbing	Carbonera C5 - C
5543' - 5550'	21,57% oil	139,00	Swabbing	Carbonera C5 - C

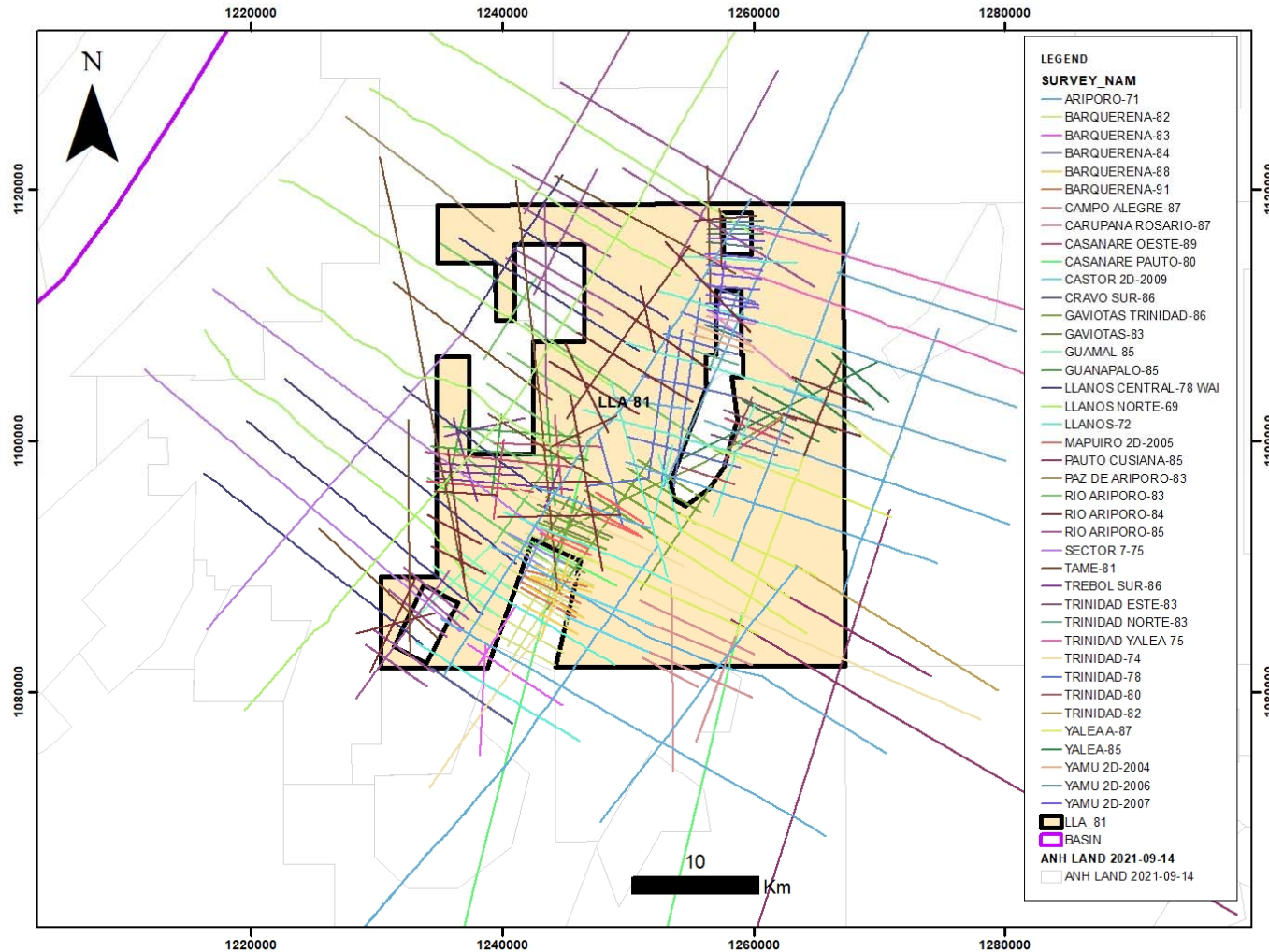
Accumulated production
Dorotea A1: 19561 Bls Oil, 70640 bls water (1117 days)

RONDA COLOMBIA 2021 **LLA 95 – Stratigraphic Correlation (C1 Datum)**



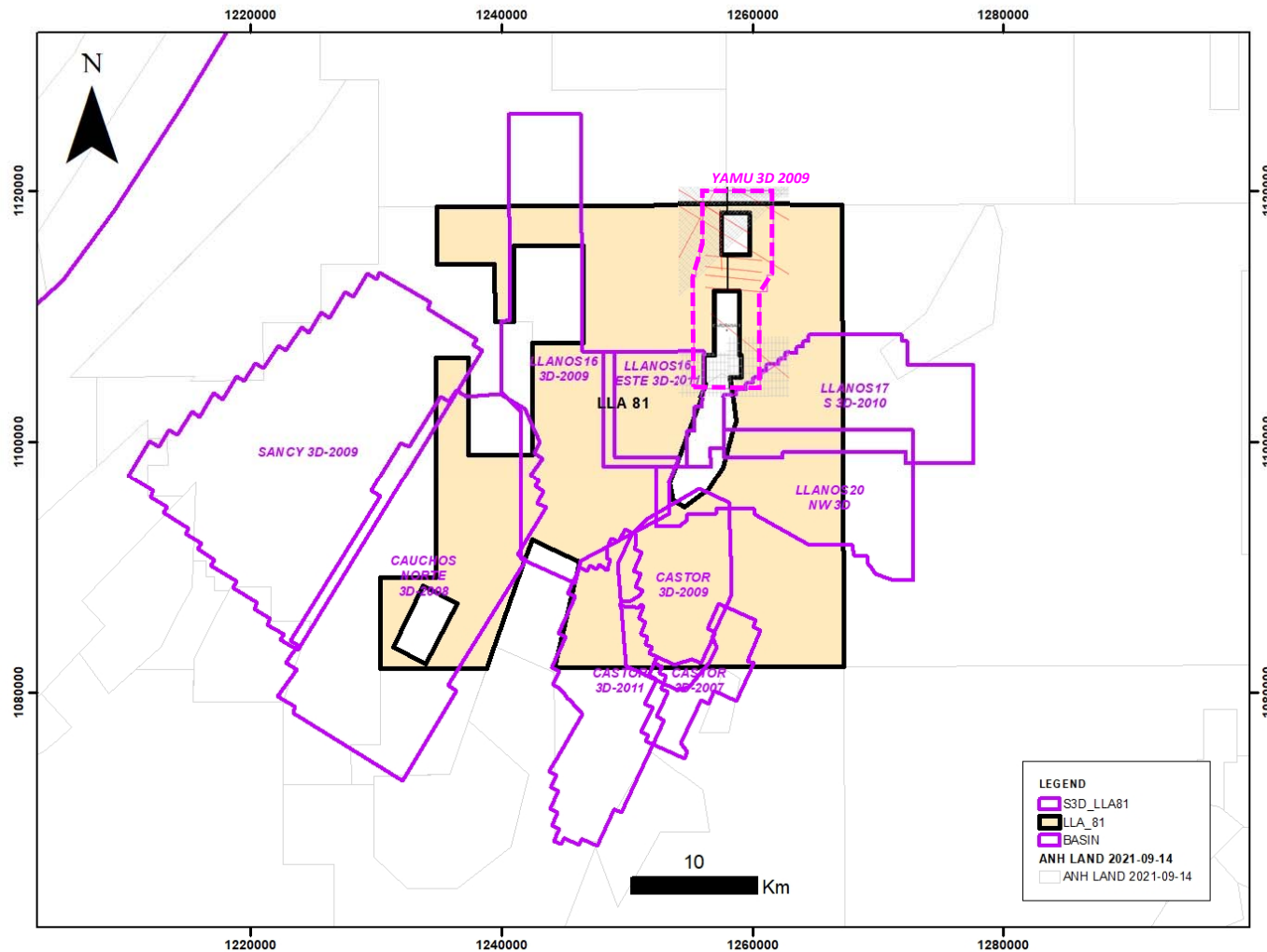
Incorporated Areas

LLA 81



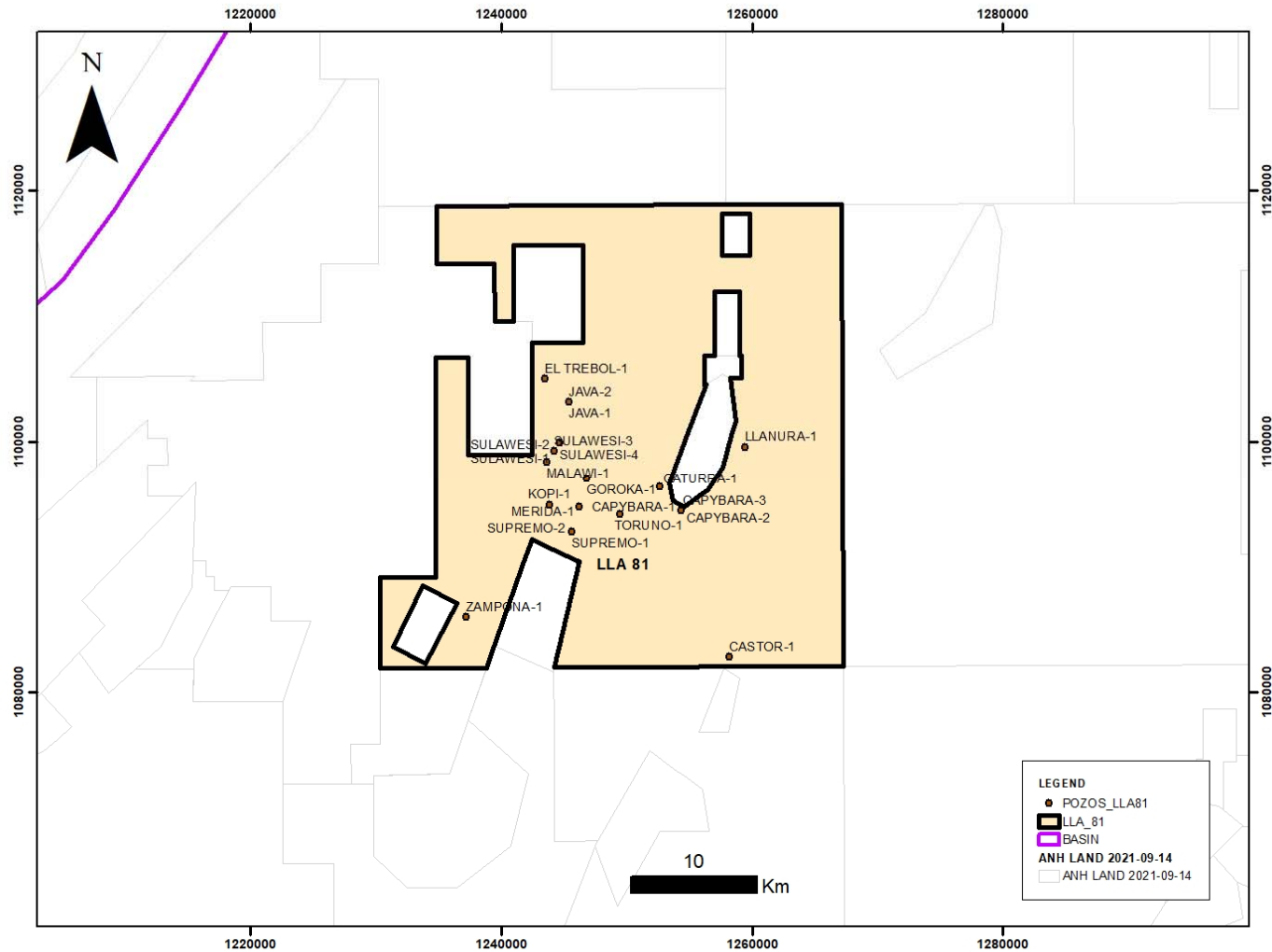
SURVEY	LINES	TOTAL LENGTH	LENGTH INSIDE
ARIPORO-71	17	461.1	181.8
BARQUERENA-82	9	73.9	25.8
BARQUERENA-83	3	23.6	7.6
BARQUERENA-84	3	14.5	5.1
BARQUERENA-88	6	32.4	6.9
BARQUERENA-91	4	20.0	3.1
CAMPO ALEGRE-87	6	57.2	32.9
CARUPANA ROSARIO-87	2	12.7	8.2
CASANARE OESTE-89	7	53.6	46.3
CASANARE PAUTO-80	3	88.1	17.6
CASTOR 2D-2009	2	14.0	13.9
CRAVO SUR-86	1	7.9	0.1
GAVIOTAS TRINIDAD-86	13	115.6	96.0
GAVIOTAS-83	4	19.4	19.4
GUAMAL-85	4	27.2	23.2
GUANAPALO-85	5	45.8	33.3
LLANOS CENTRAL-78 WAI	7	130.1	50.8
LLANOS NORTE-69	6	264.0	46.9
LLANOS-72	11	140.7	114.5
MAPUIRO 2D-2005	5	21.1	21.1
PAUTO CUSIANA-85	3	115.5	15.5
PAZ DE ARIPORO-83	1	15.0	3.4
RIO ARIPORO-83	9	98.9	61.5
RIO ARIPORO-84	22	174.7	157.4
RIO ARIPORO-85	16	187.8	69.3
SECTOR 7-75	3	97.4	15.1
TAME-81	8	153.2	65.6
TREBOL SUR-86	6	42.3	37.2
TRINIDAD ESTE-83	4	23.2	19.6
TRINIDAD NORTE-83	2	10.6	1.7
TRINIDAD YALEA-75	2	55.7	19.6
TRINIDAD-74	3	66.4	34.0
TRINIDAD-78	10	86.1	73.3
TRINIDAD-80	1	4.6	1.6
TRINIDAD-82	1	19.0	4.7
YALEA A-87	7	90.8	79.8
YALEA-85	6	51.0	34.5
YAMU 2D-2004	2	10.4	6.3
YAMU 2D-2006	5	22.1	11.1
YAMU 2D-2007	9	40.3	29.5
Total general	238	2987.7	1495.5

40 Seismic Program (238 lines)
Total coverage 1495 Km



3D SURVEY	AREA_TOTAL	AREA_INSIDE
CASTOR 3D-2007	50.3	18.0
CASTOR 3D-2009	109.8	102.7
CASTOR 3D-2011	144.3	53.6
CAUCHOS NORTE 3D-2008	356.5	133.8
LLANOS16 3D-2009	269.9	161.0
LLANOS16 ESTE 3D-2011	67.4	66.0
LLANOS17 S 3D-2010	160.1	68.3
LLANOS20 NW 3D	161.1	88.2
SANCY 3D-2009	400.6	8.4
Total general		626.1

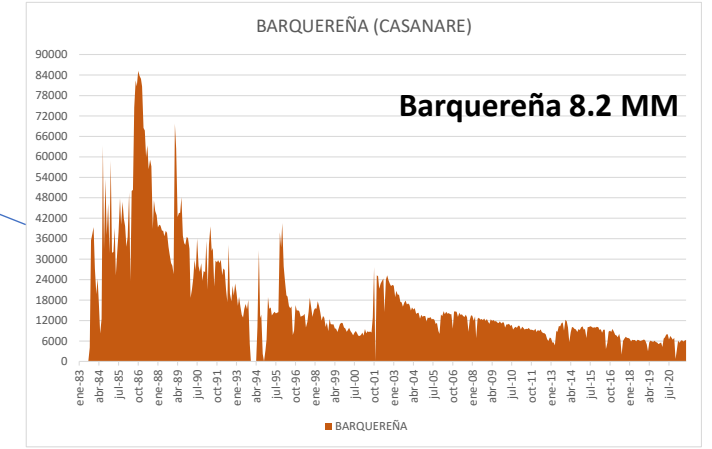
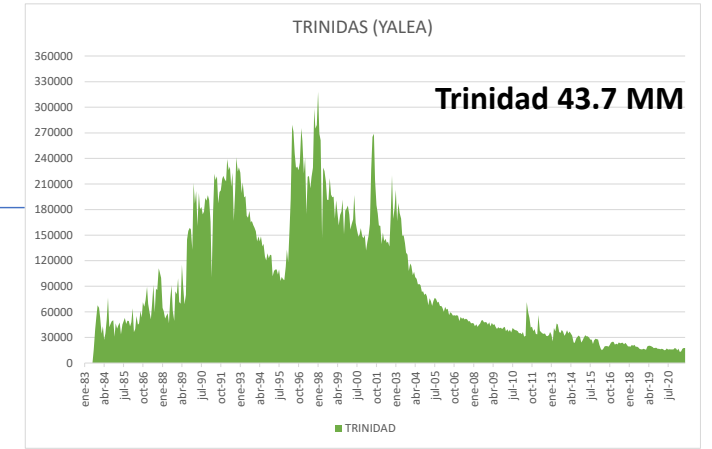
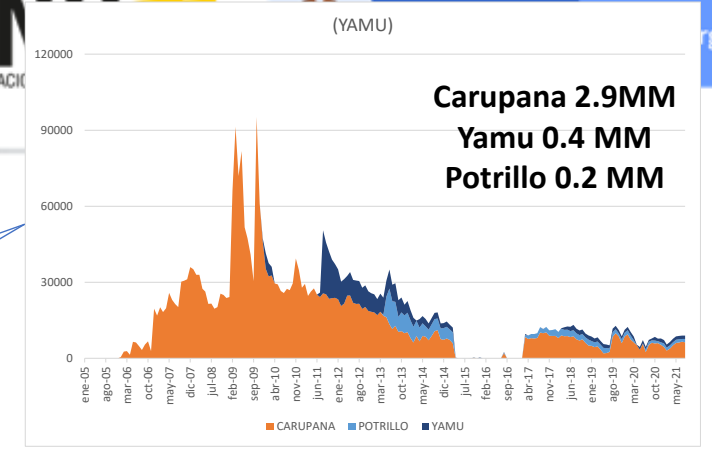
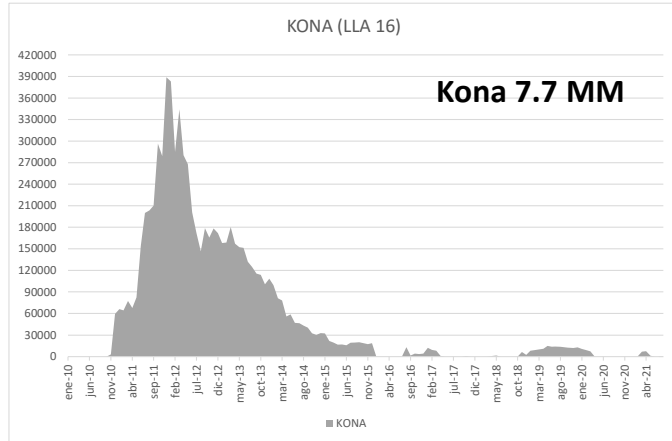
9 Seismic Programs (626 Km²)
Total coverage 63%



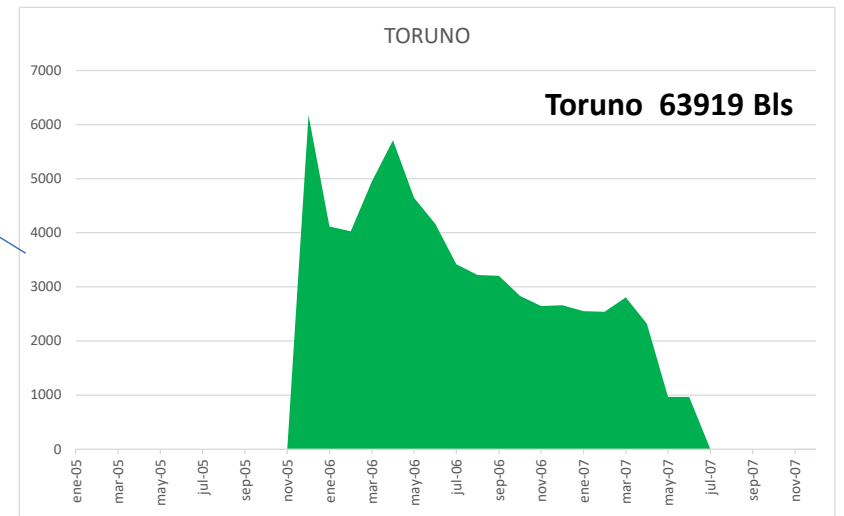
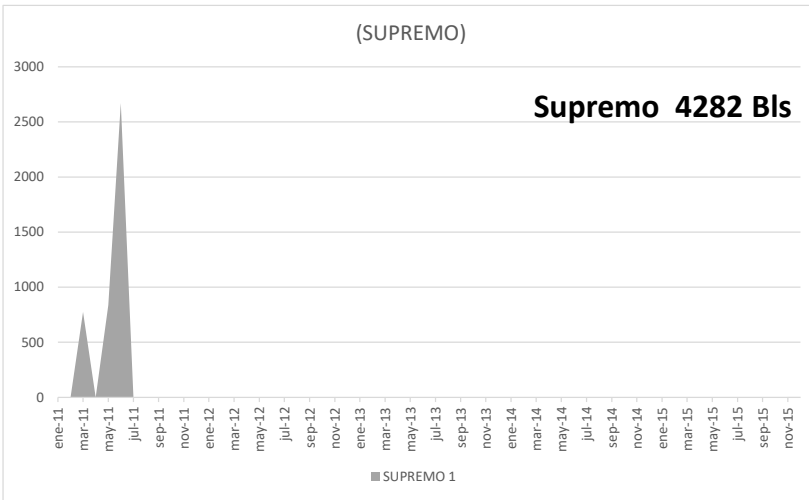
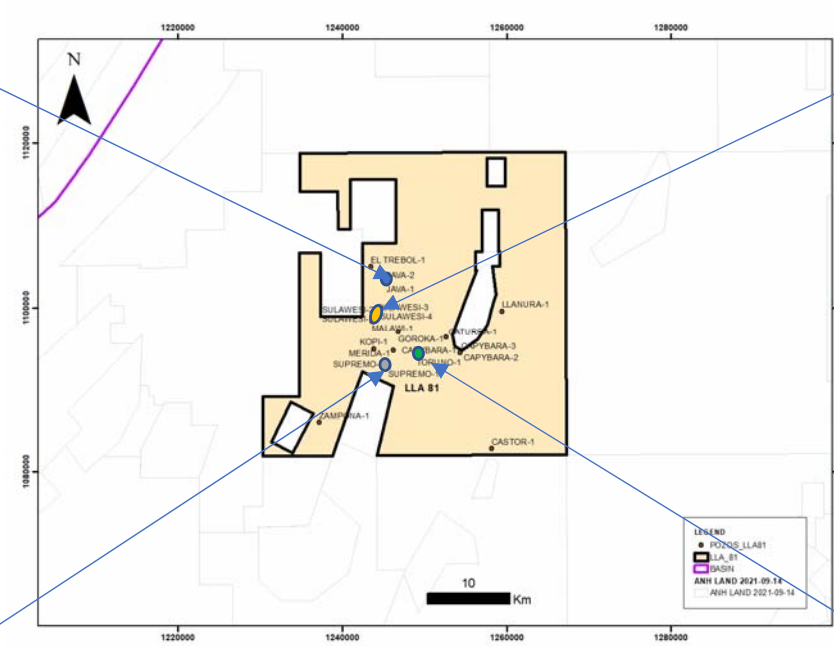
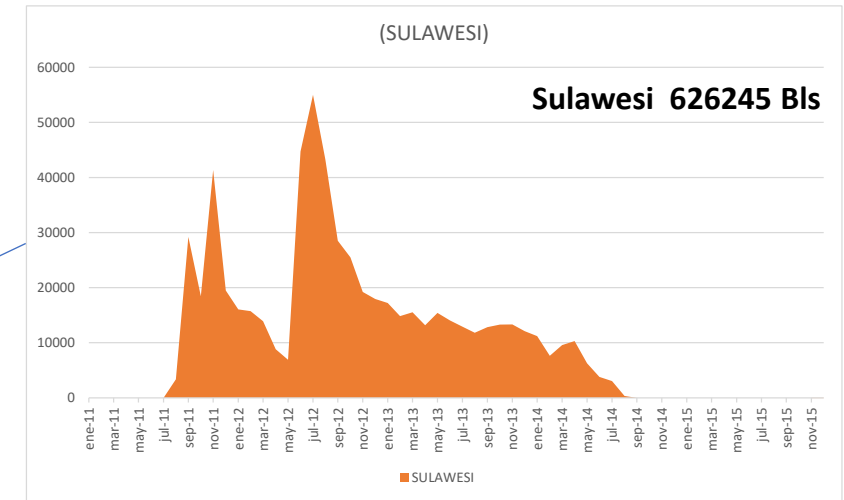
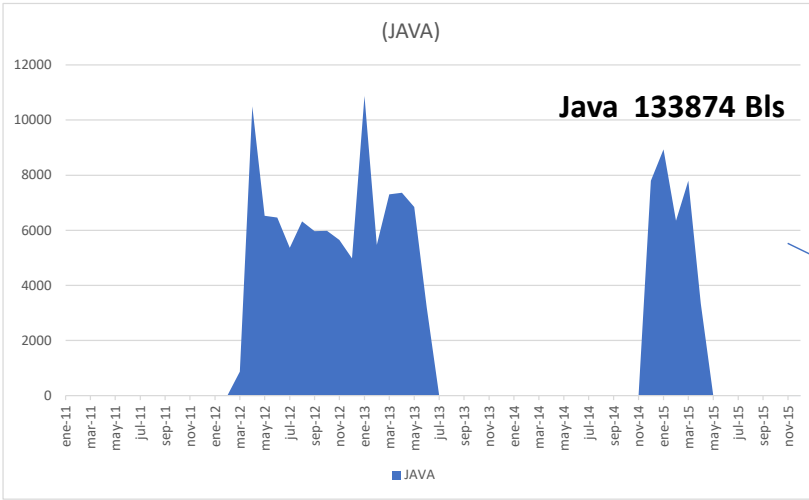
WELL_NAME	RTE	TD	WELL_SPUD
EL TREBOL-1	640	12000	07/02/1984
LLANURA-1	613	11410	26/04/1990
TORUNO-1	600	10610	11/11/2005
CASTOR-1	570	10604	26/05/2008
CAPYBARA-1	601	11535	01/03/2010
GOROKA-1	615	12037	01/11/2010
SUPREMO-1	621	12040	02/11/2010
KOPI-1	626	10993	19/01/2011
JAVA-1	648	12660	26/02/2011
JAVA-2	648	12973	01/04/2011
CAPYBARA-2	600	11880	04/04/2011
SULAWESI-1	639	11791	16/07/2011
SULAWESI-3	639	11490	29/08/2011
SUPREMO-2	620	10785	09/10/2011
MERIDA-1	605	11851	14/11/2011
SULAWESI-2	625	11472	27/12/2011
SULAWESI-4	638	12415	24/01/2012
CATURRA-1	618	11940	26/02/2012
MALAWI-1	637	13170	01/05/2012
CAPYBARA-3	599	12438	01/10/2013
ZAMPONA-1	632	12693	01/10/2014

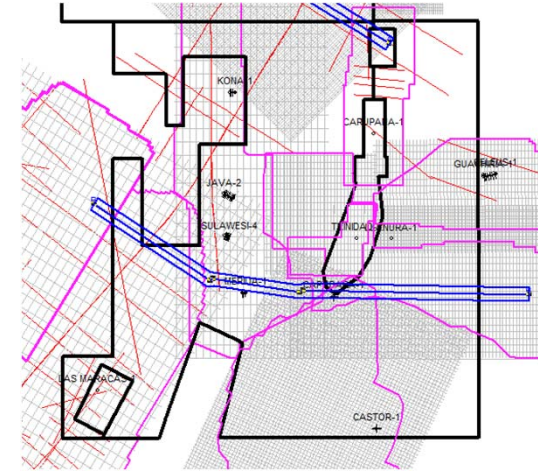
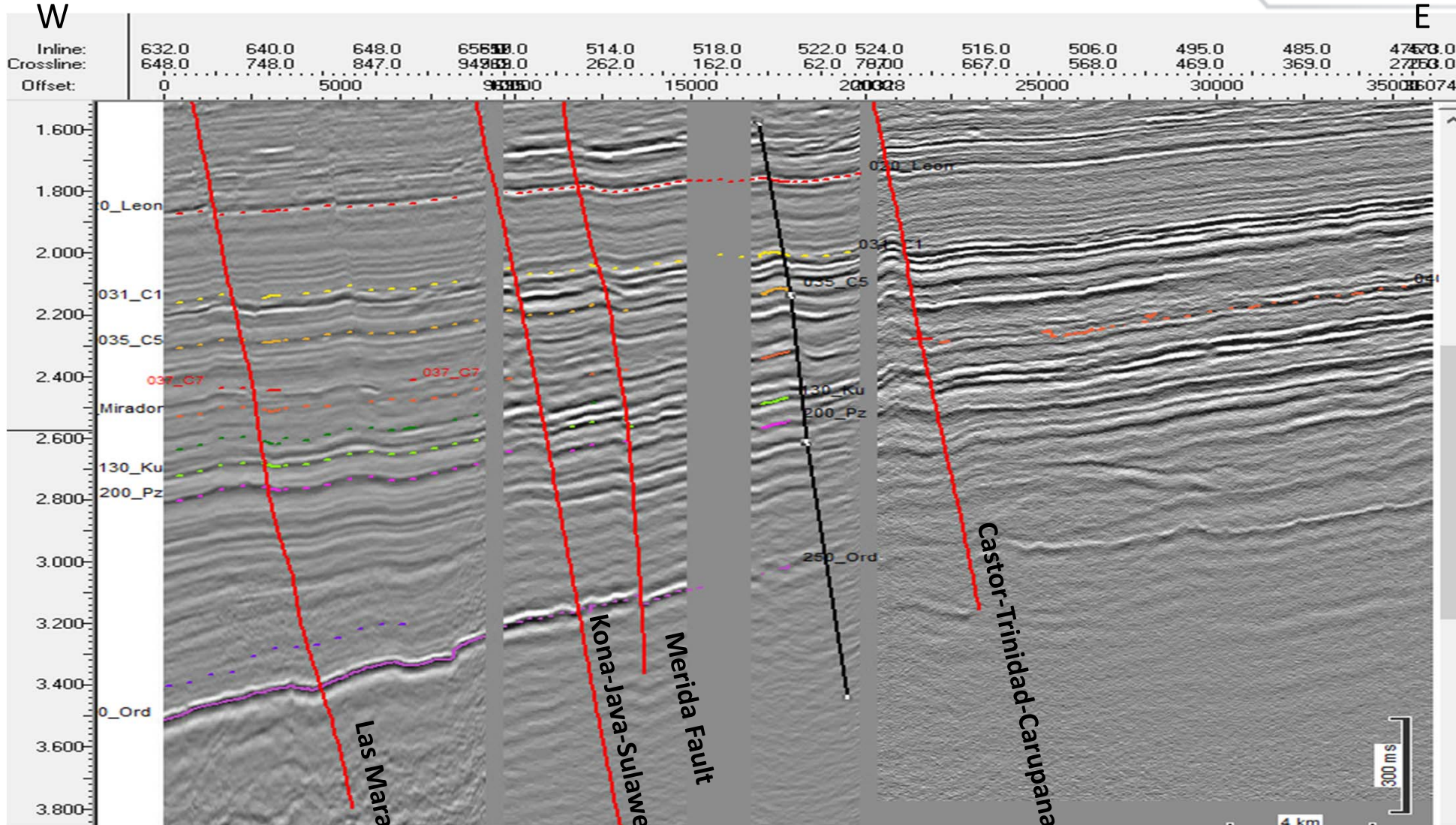
21 wells drilled

Main Reservoirs:
Mirador Fm

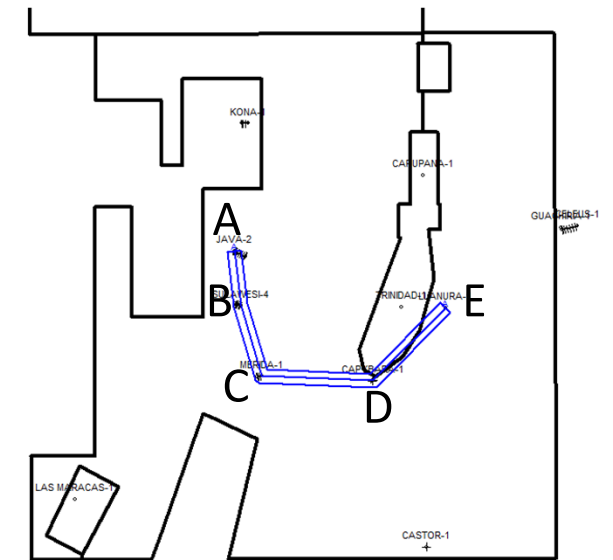
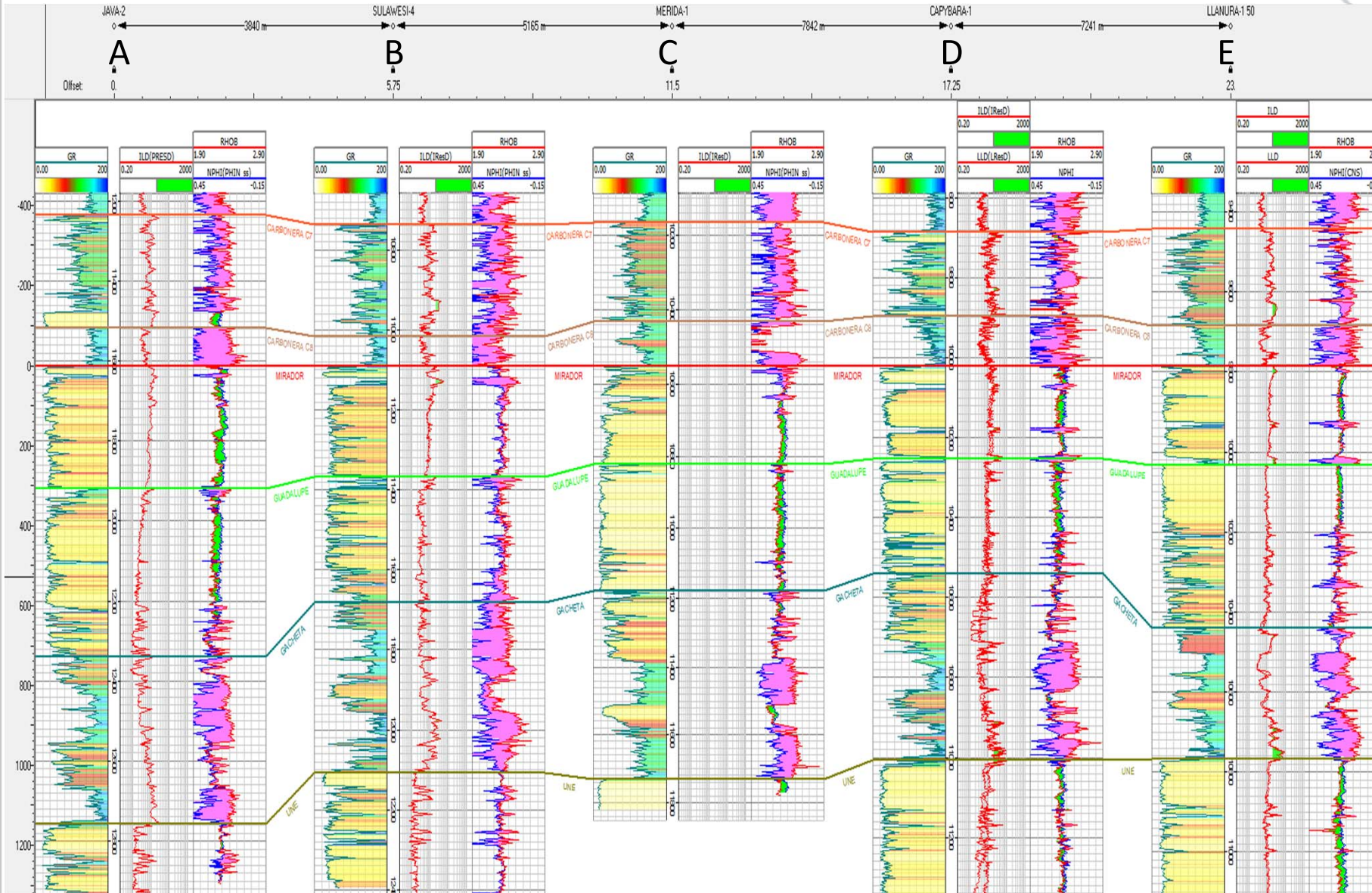


LLA 81 – Java, Sulawesi, Toruno & Supremo



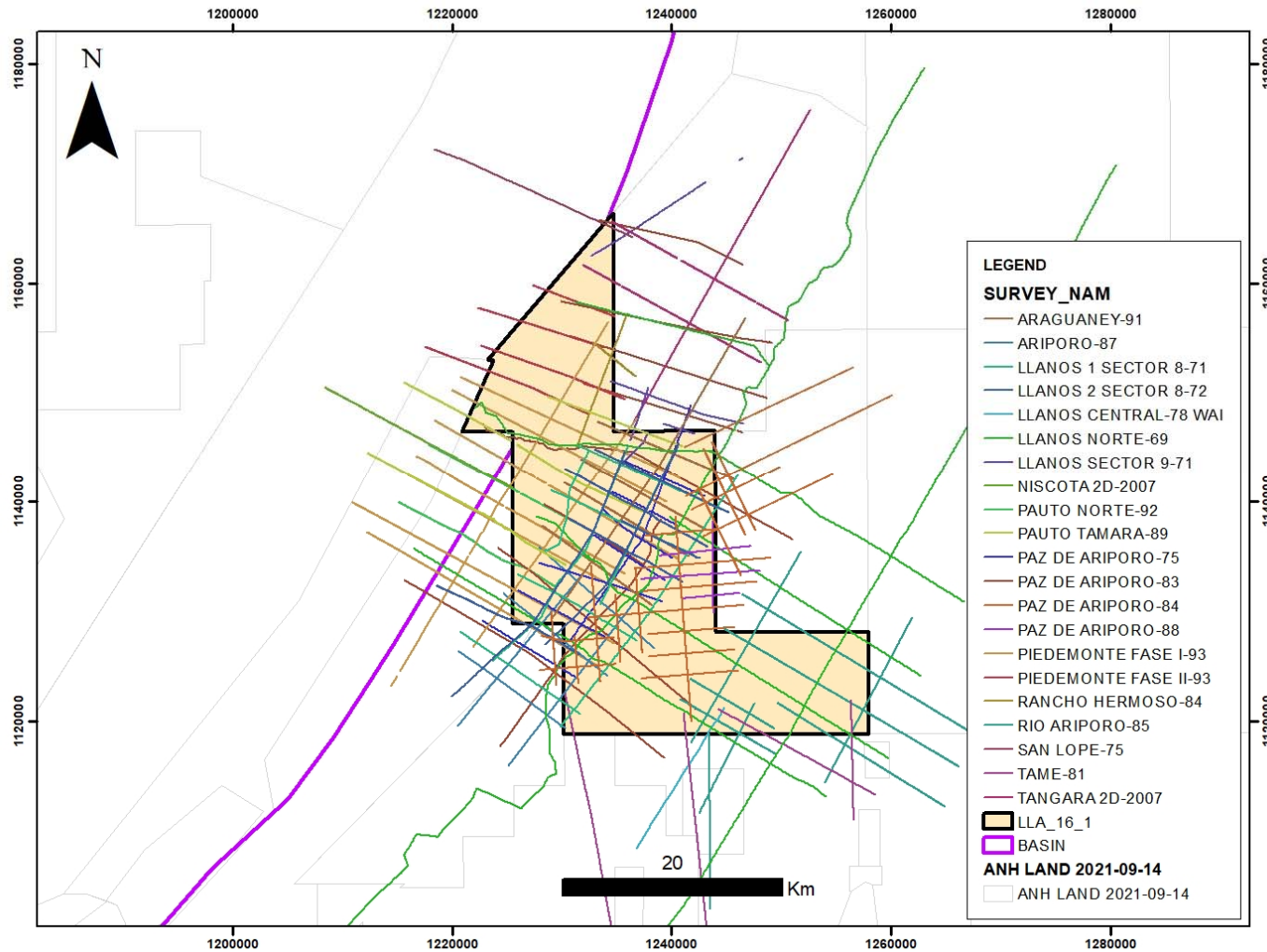


LLA 81 – Stratigraphic Correlation (Mirador Datum)



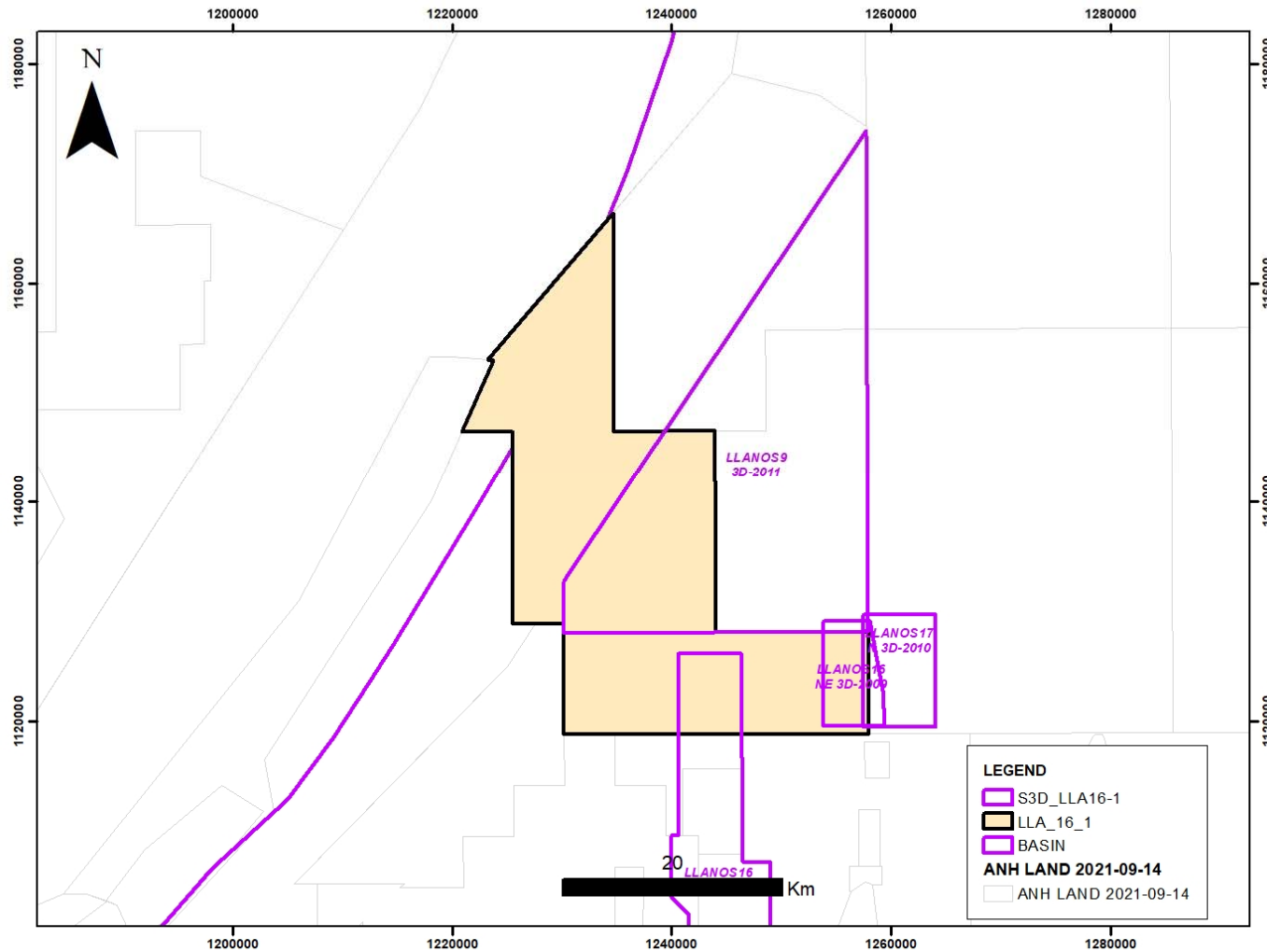
Incorporated Areas

LLA 16-1



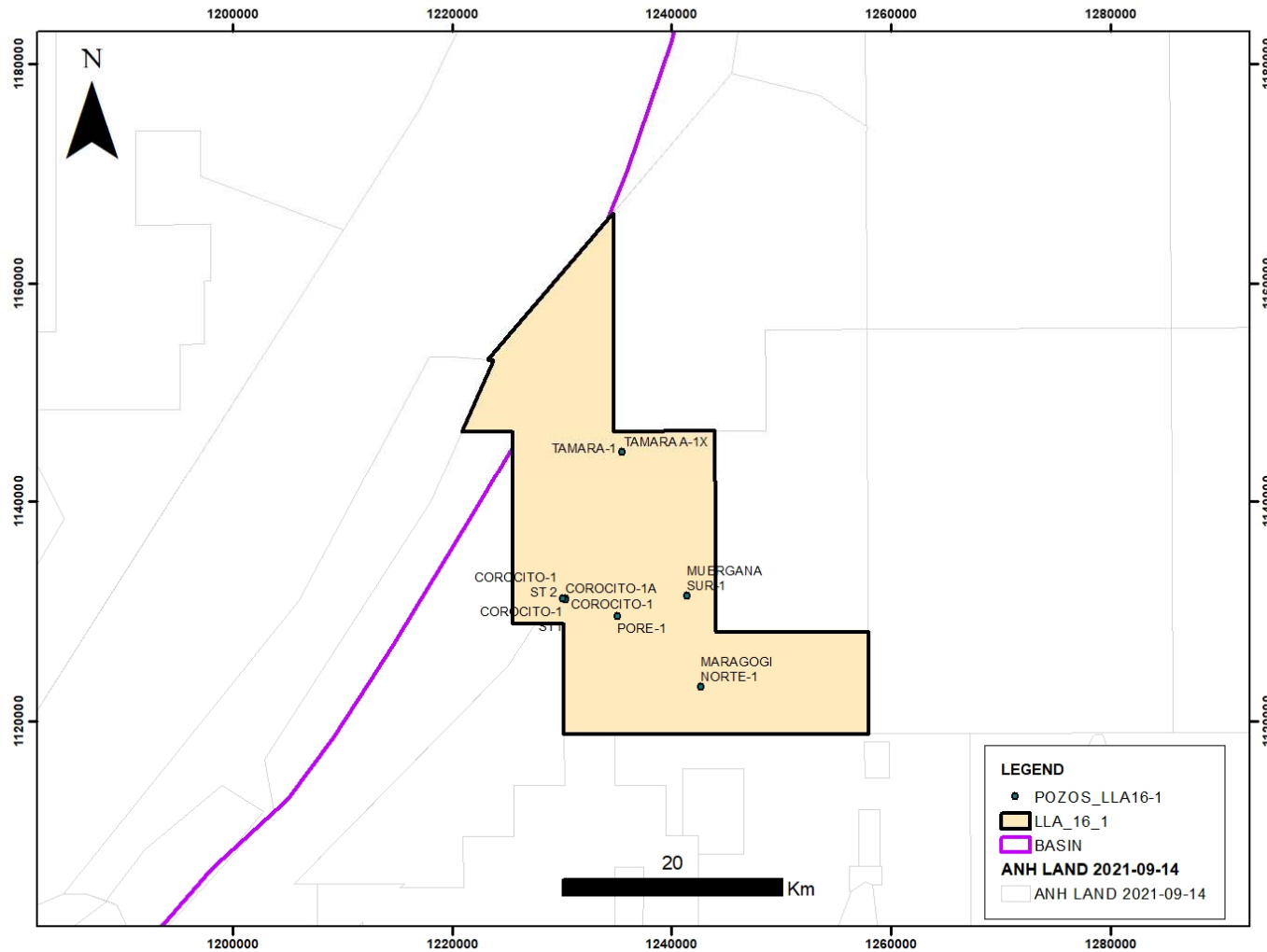
SURVEY	LINES	TOTAL LENGTH	LENGTH INSIDE
ARAGUANAY-91	5	84.9	70.3
ARIPORO-87	5	78.6	42.7
LLANOS 1 SECTOR 8-71	8	133.0	110.6
LLANOS 2 SECTOR 8-72	7	113.3	87.7
LLANOS CENTRAL-78 WA	1	15.1	2.9
LLANOS NORTE-69	10	421.3	130.0
LLANOS SECTOR 9-71	5	38.1	8.5
NISCOTA 2D-2007	1	19.7	0.1
PAUTO NORTE-92	2	31.9	11.6
PAUTO TAMARA-89	4	58.4	32.1
PAZ DE ARIPORO-75	8	85.2	73.9
PAZ DE ARIPORO-83	11	194.8	94.2
PAZ DE ARIPORO-84	22	224.9	131.1
PAZ DE ARIPORO-88	5	43.9	30.3
PIEDEMONTE FASE I-93	9	227.1	128.8
PIEDEMONTE FASE II-93	4	50.3	35.8
RANCHO HERMOSO-84	2	18.1	11.8
RIO ARIPORO-85	9	151.1	59.4
SAN LOPE-75	1	19.8	0.9
TAME-81	4	96.1	13.7
TANGARA 2D-2007	3	72.1	5.6
Total general	126	2177.4	1082.0

21 Seismic Program (129 lines)
Total coverage 1082 Km



3D SURVEY	AREA_TOTAL	AREA_INSIDE
LLANOS17 N 3D-2010	67.5	3.9
LLANOS16 NE 3D-2009	48.6	35.4
LLANOS16 3D-2009	269.9	42.3
LLANOS9 3D-2011	698.2	191.5
Total general		269.2

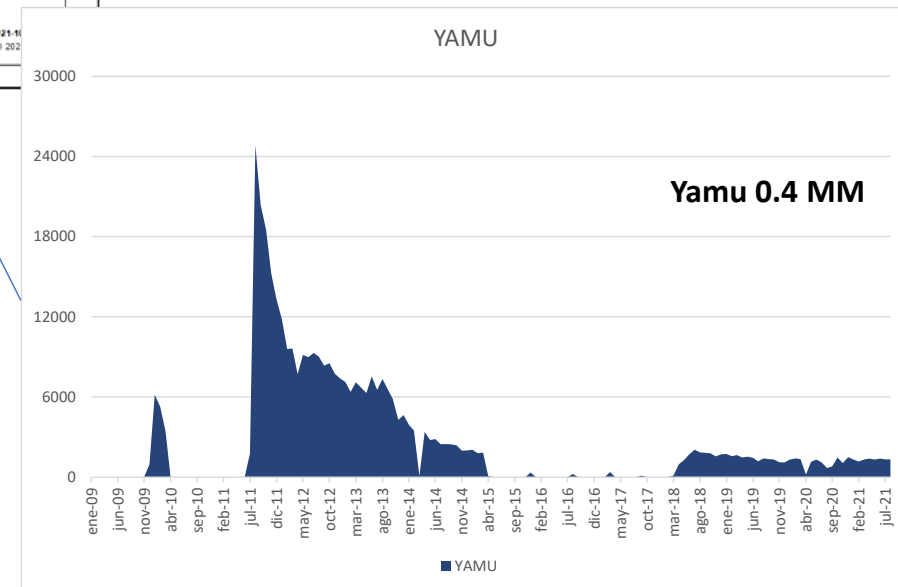
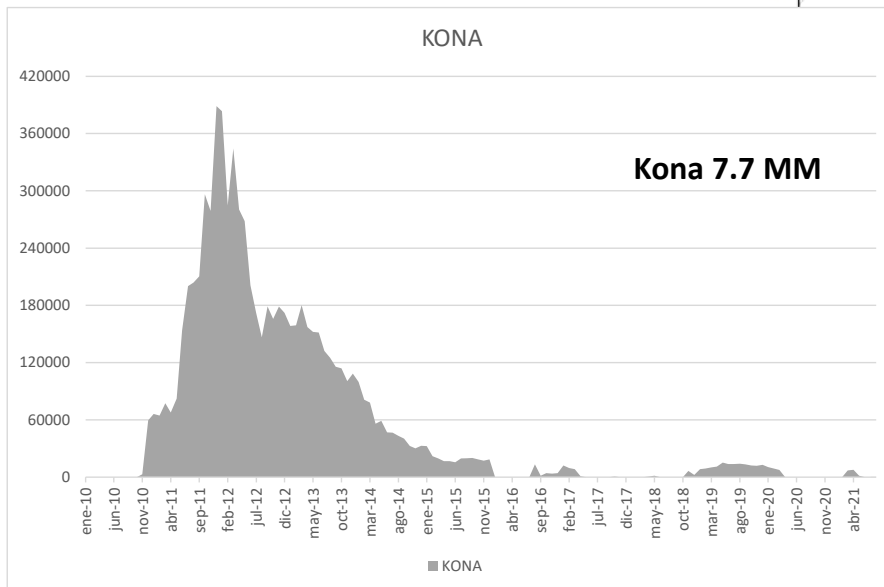
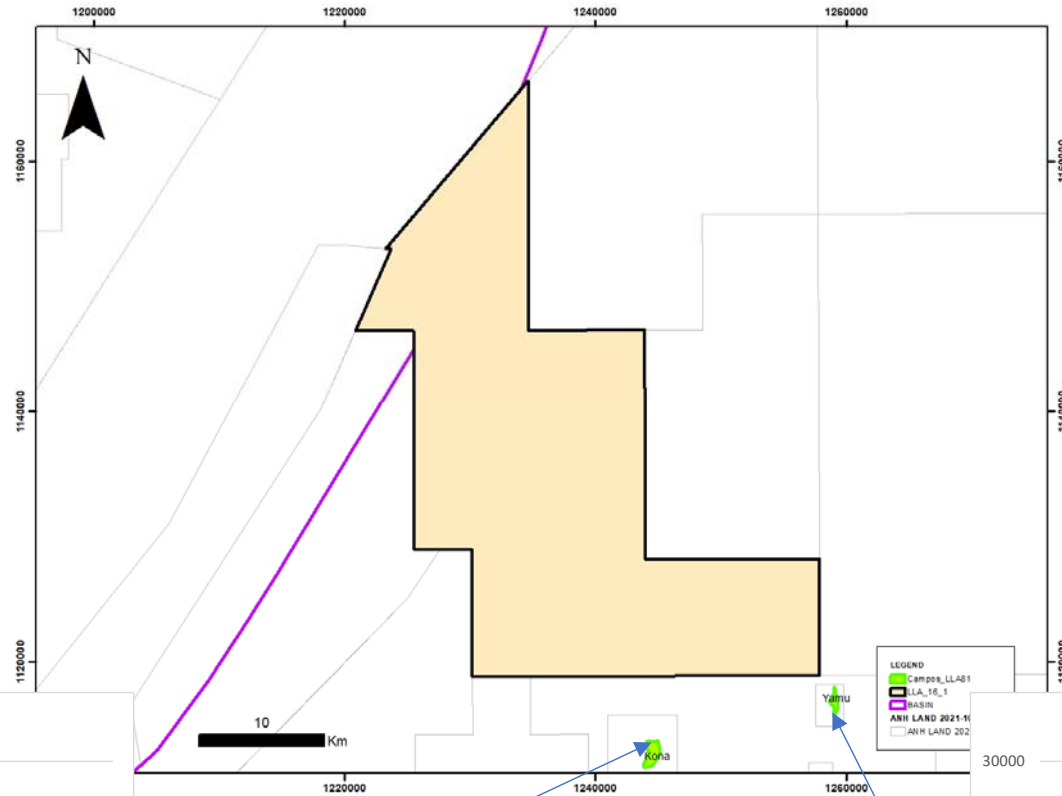
4 Seismic Programs (269 Km²)
Total coverage 36%



WELL_NAME	RTE	TD	WELL_SPUD
PORE-1	972	15000	09/04/1987
COROCITO-1	1525	10060	14/09/1987
COROCITO-1A	1527	15365	08/02/1988
TAMARA A-1X	1165	16456	06/03/1991
TAMARA-1	1167	18420	06/03/1991
MARAGOGI NORTE-1	743	13800	26/01/2013
MUERGANA SUR-1	815	14288	10/06/2015

7 wells drilled

Main Reservoirs:
Mirador Fm

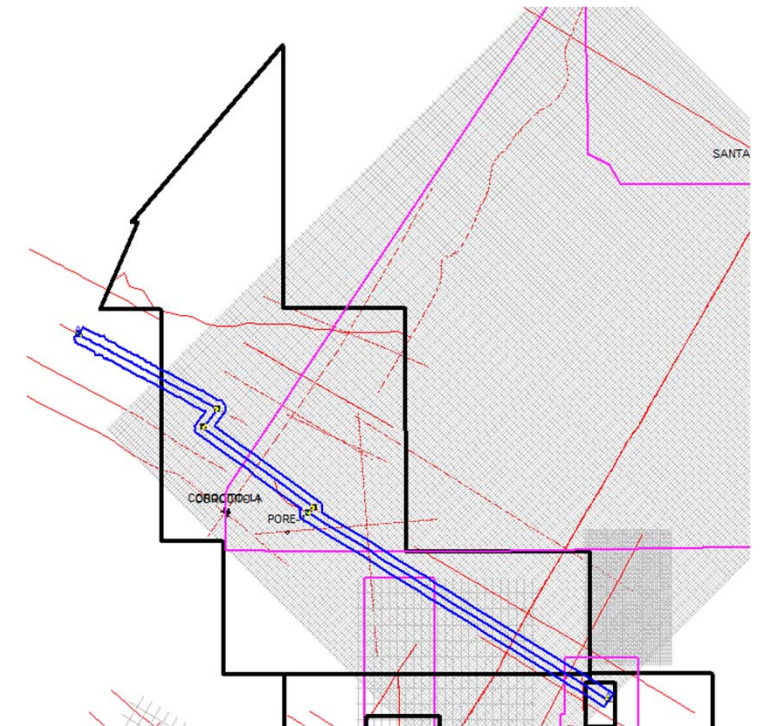
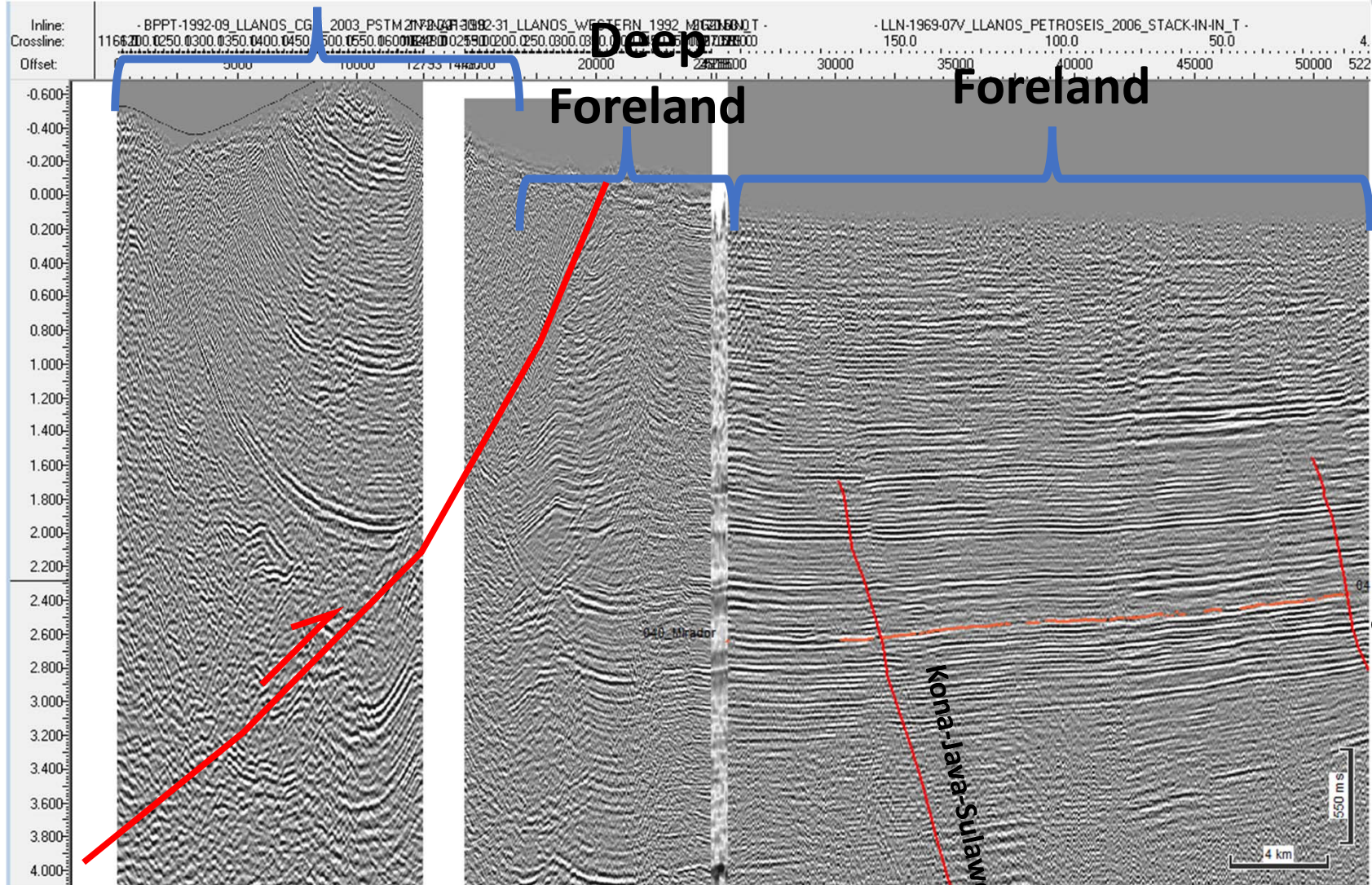




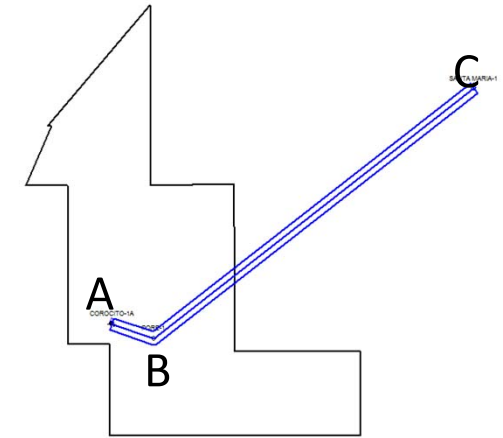
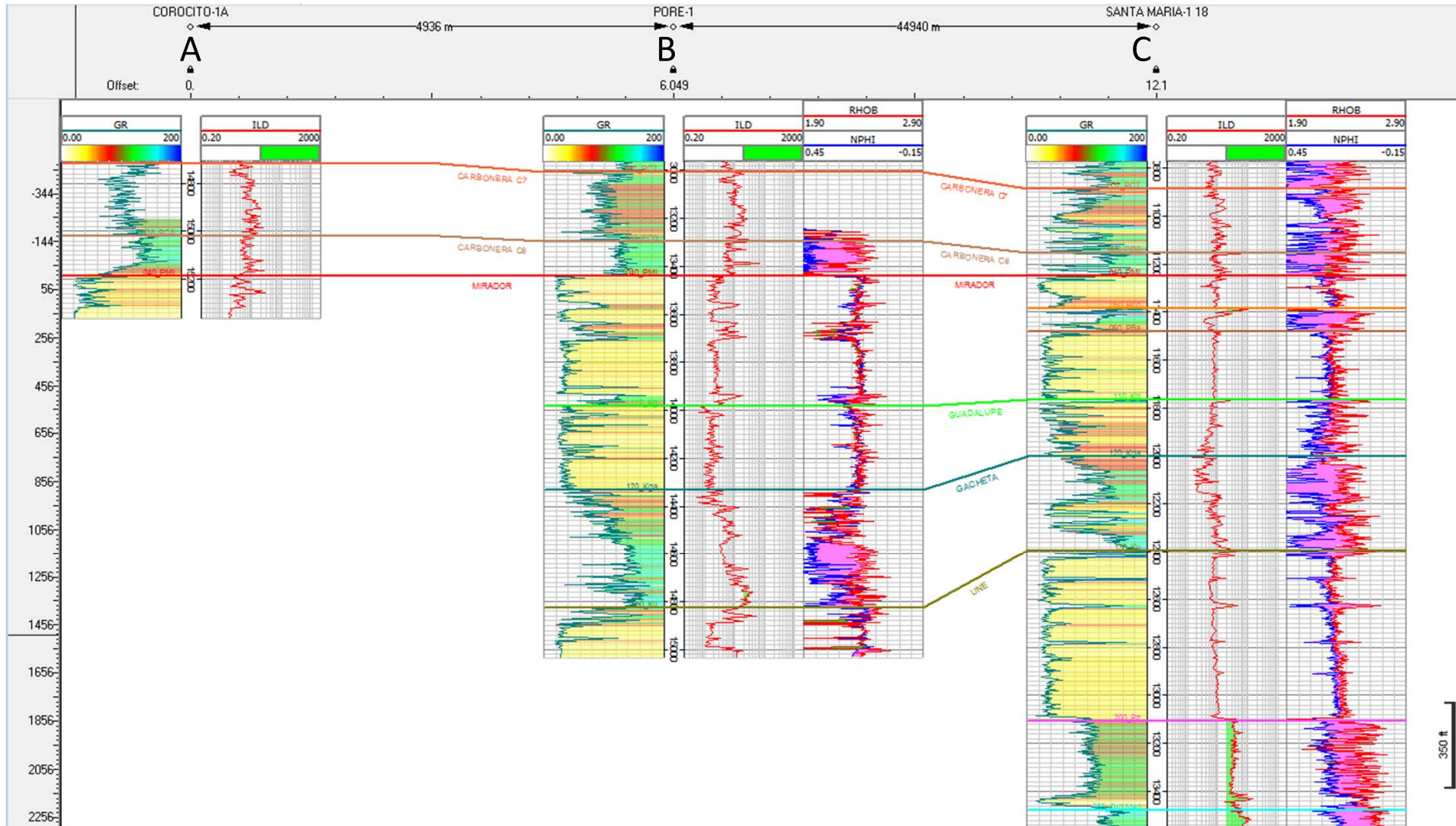
RONDA LLA 16-1

COLOMBIA 2021

Foot Hills

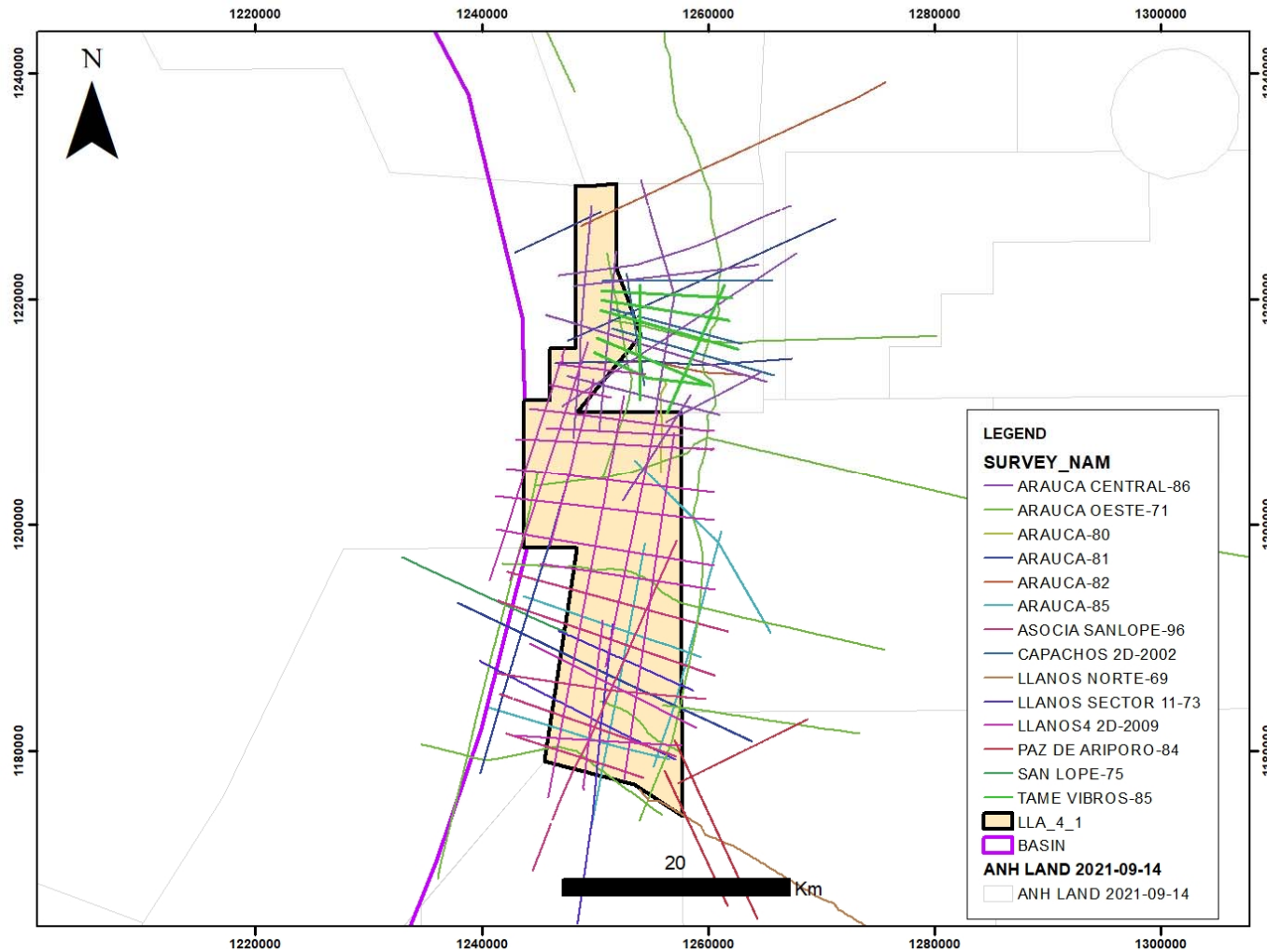


LLA 16-1 – Stratigraphic Correlation (Mirador Datum)



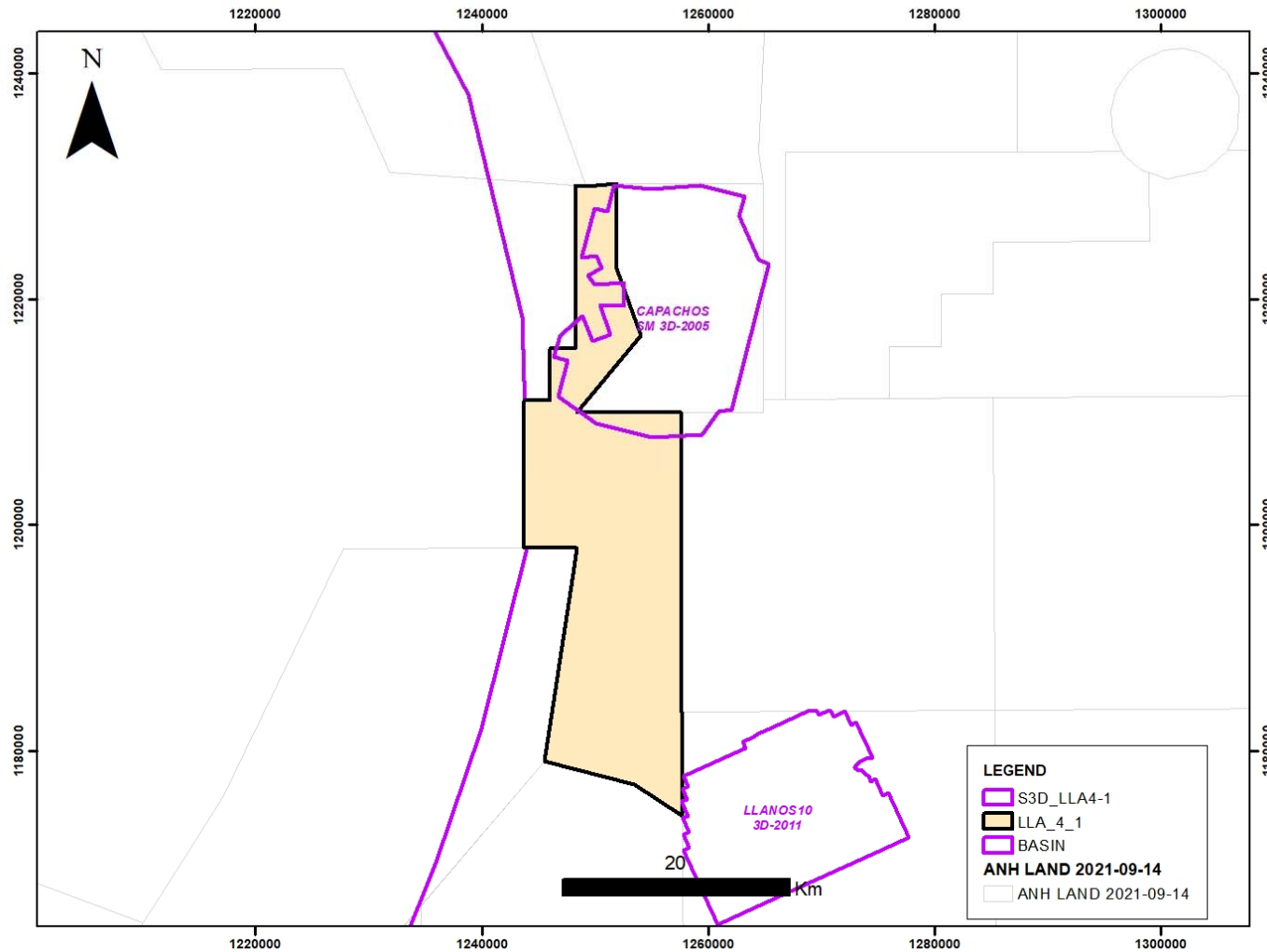
Incorporated Areas

LLA 4-1



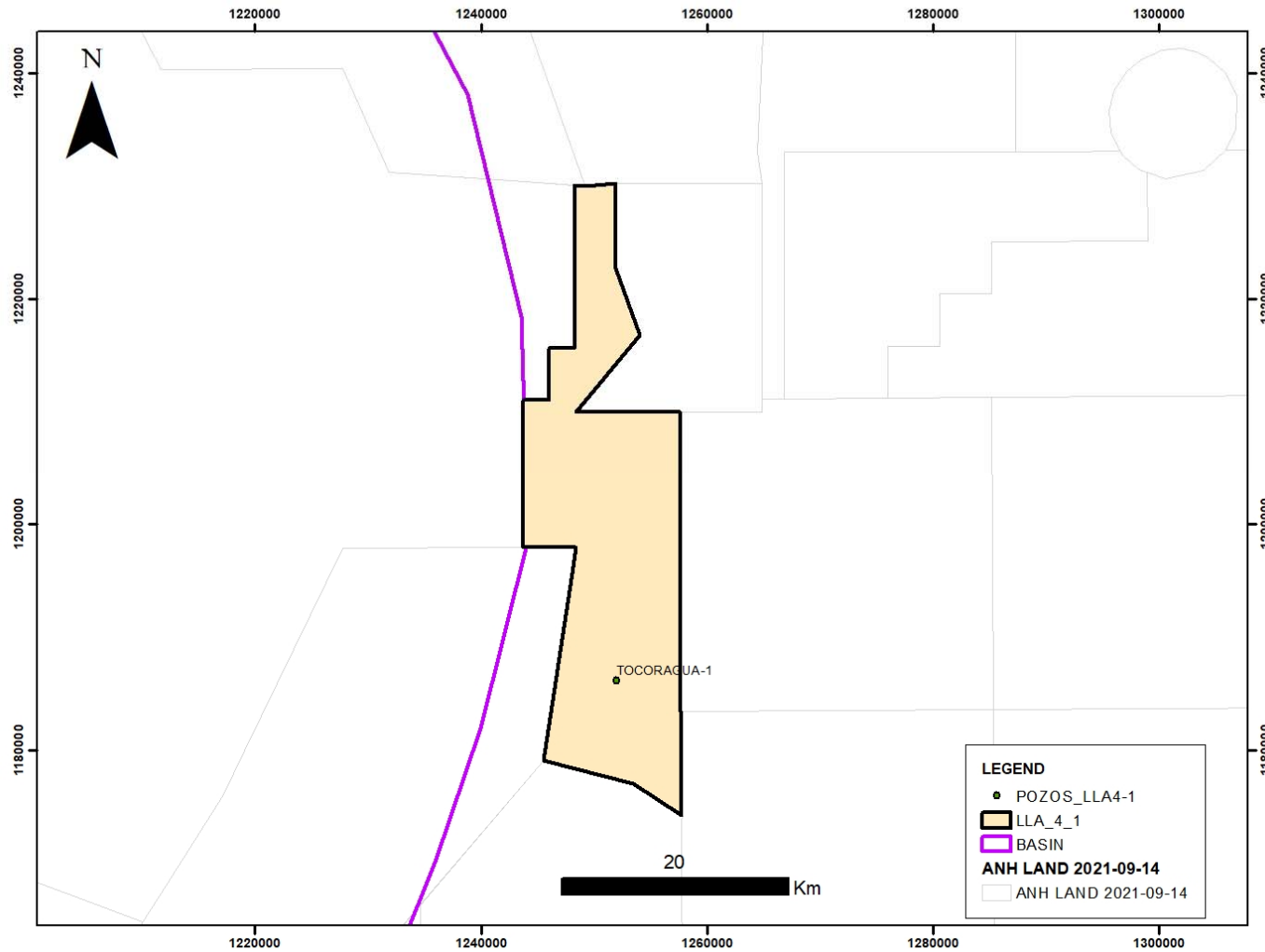
SURVEY	LINES	TOTAL LENGTH	LENGTH INSIDE
ARAUCA CENTRAL-86	10	175.3	65.4
ARAUCA OESTE-71	8	402.1	72.8
ARAUCA-80	1	14.4	6.0
ARAUCA-81	5	111.8	32.4
ARAUCA-82	2	43.1	5.3
ARAUCA-85	5	99.5	56.3
ASOCIA SANLOPE-96	6	119.5	74.6
CAPACHOS 2D-2002	4	51.9	8.6
LLANOS NORTE-69	1	29.5	2.3
LLANOS SECTOR 11-73	3	59.2	36.8
LLANOS4 2D-2009	18	329.0	265.9
PAZ DE ARIPORO-84	3	43.4	5.5
SAN LOPE-75	1	16.0	0.3
TAME VIBROS-85	21	241.6	41.1
Total general	88	1736.2	673.4

14 Seismic Program (88 lines)
Total coverage 673Km



3D SURVEY	AREA_TOTAL	AREA_INSIDE
LLANOS10 3D-2011	234.3	0.0
CAPACHOS SM 3D-2005	302.3	65.0
Total general		65.0

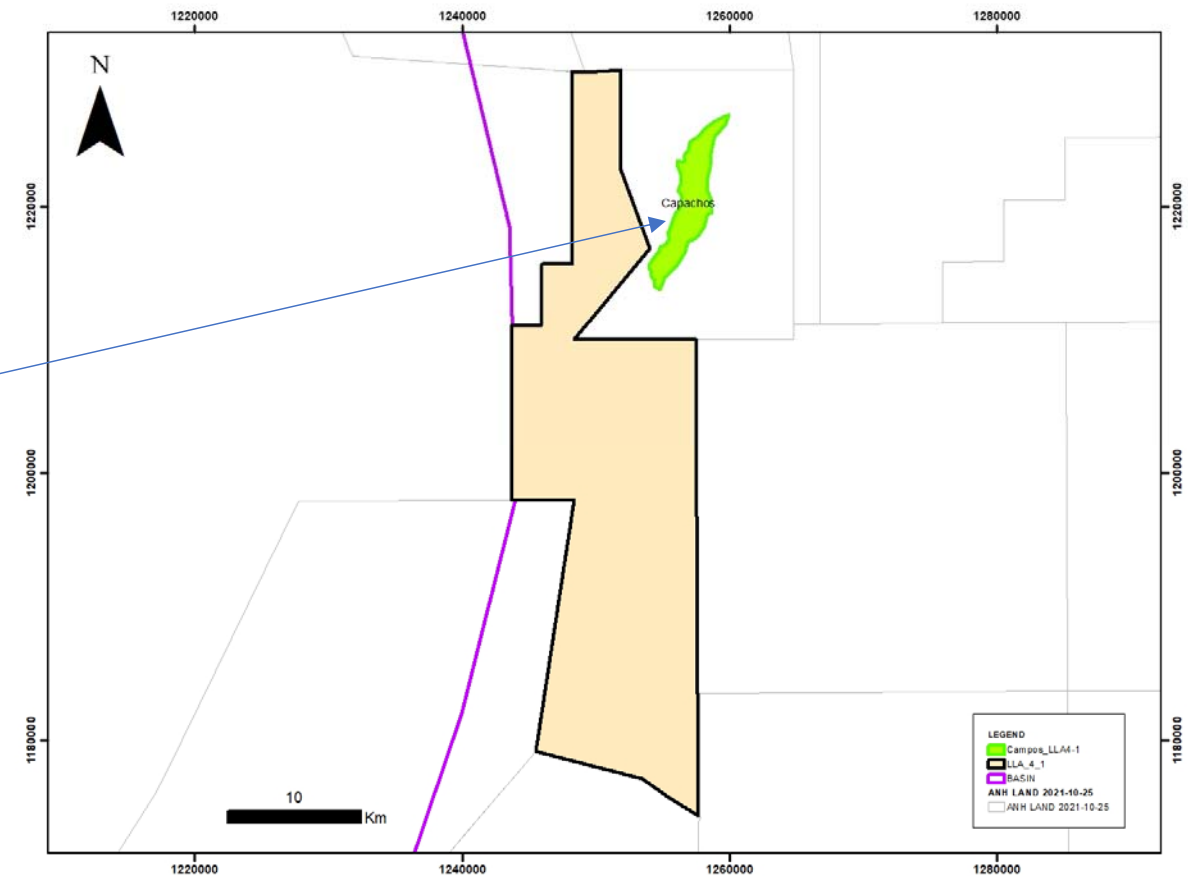
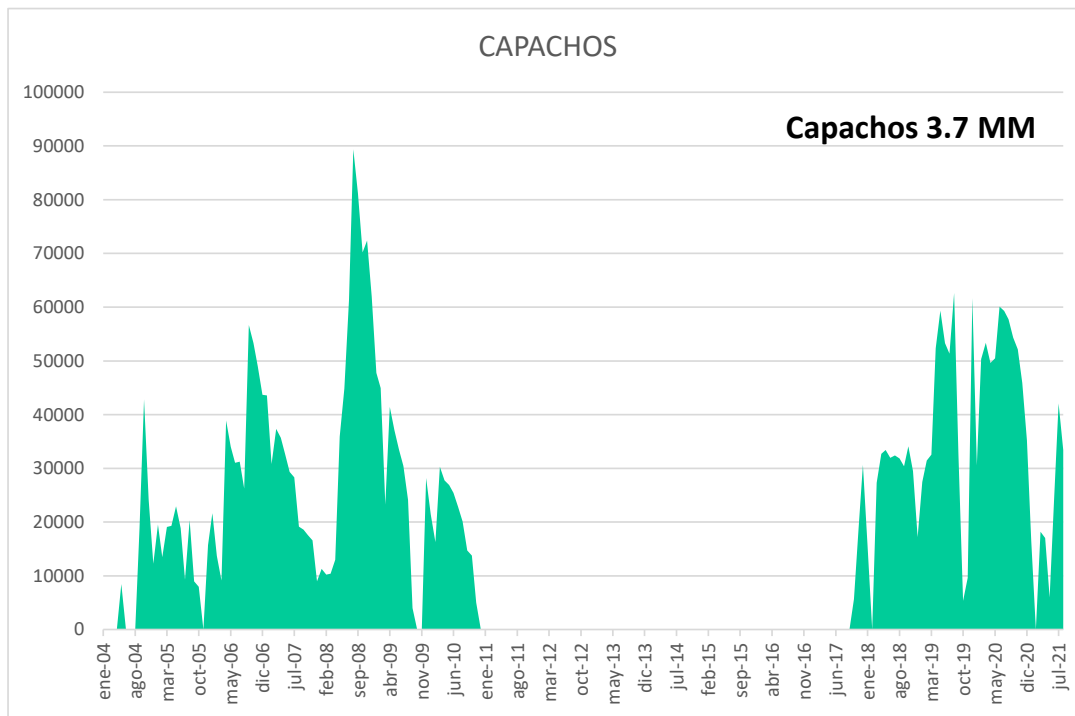
2 Seismic Programs (576 Km²)
Total coverage 14%



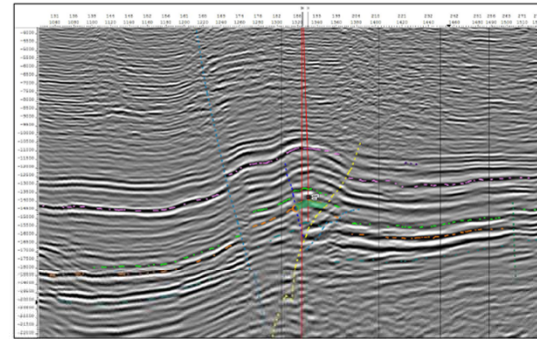
WELL_NAME	RTE	TD	WELL_SPUD
TOCORAGUA-1	1714	19000	18/05/1998

1 well drilled

Main Reservoirs:
Guadalupe Fm (34°API)



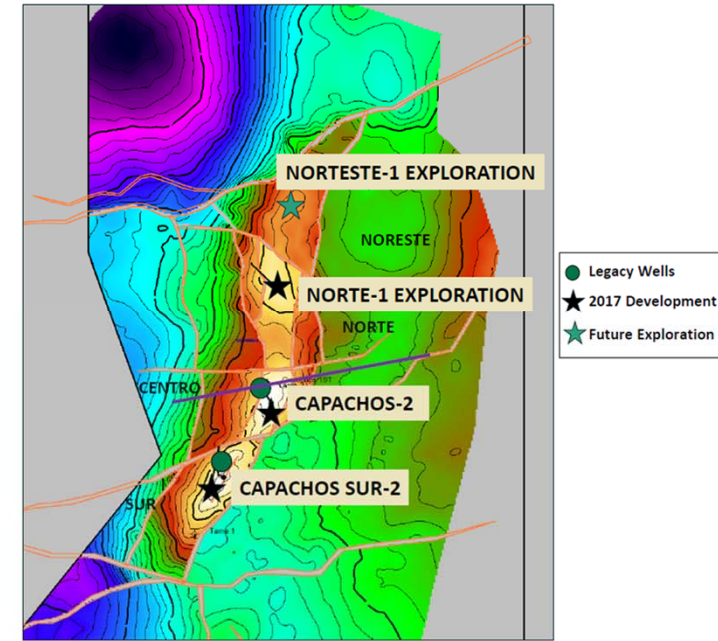
CAPACHOS DEVELOPMENT AND EXPLORATION POTENTIAL



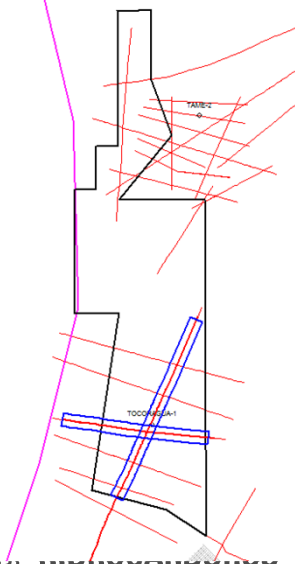
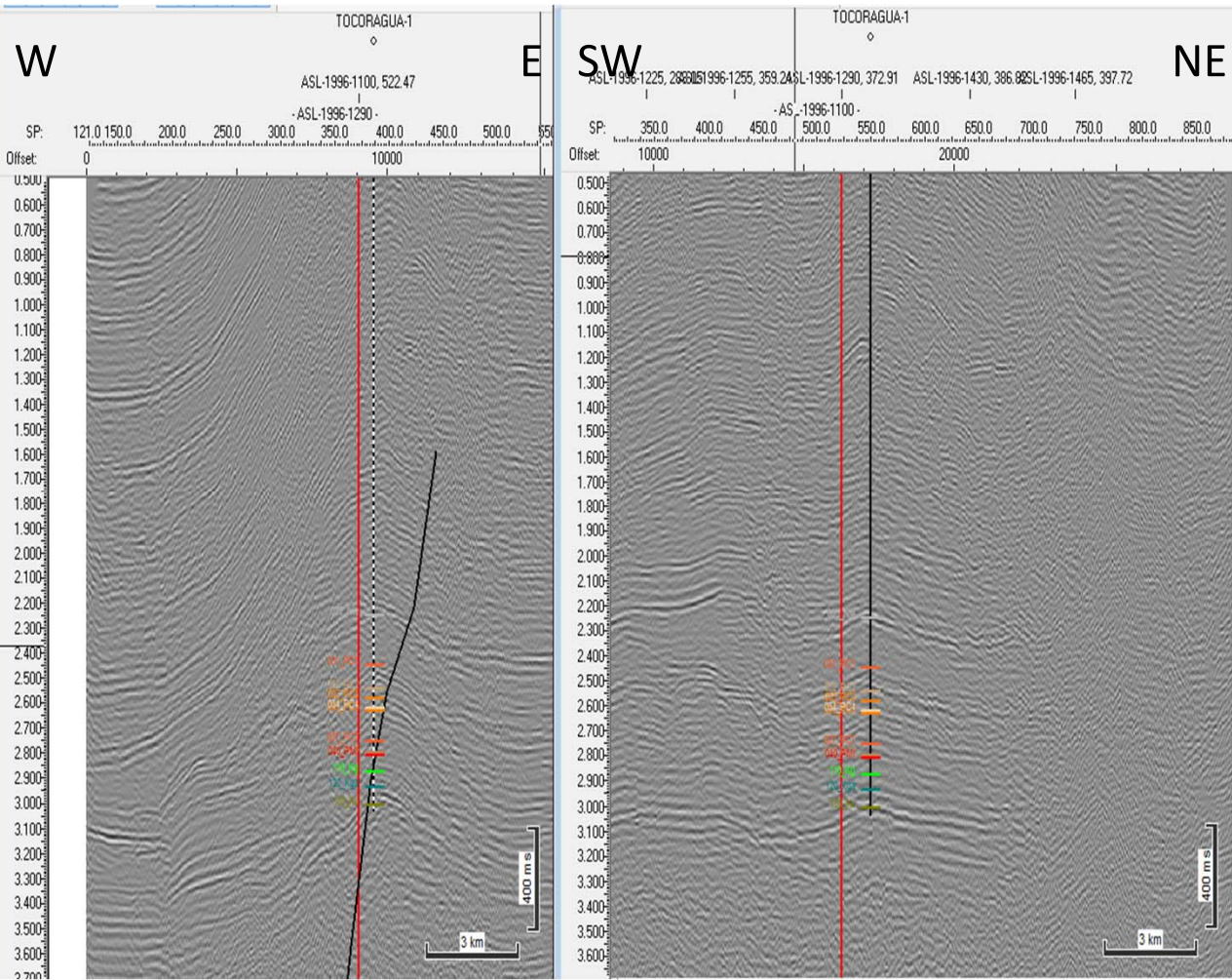
- Drill 2 firm development wells (Capachos-2 and Capachos Sur-2) to earn 50% in the block.
- Drill 1 firm exploration well at Capachos Norte-1 targeting Guadalupe, Mirador, & Une
- Development wells are targeting proven structural compartments that have produced ~2 mmbbls
- Targeting ~34 API Oil in the Guadalupe Formation
- Planned 60 day drill (spud to rig release)

PAREX Source: internal company reports

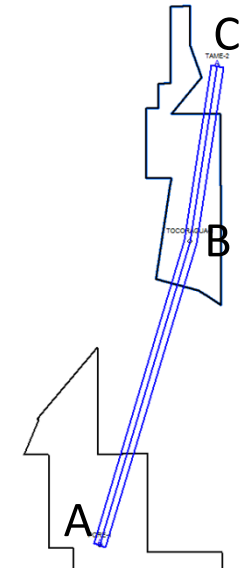
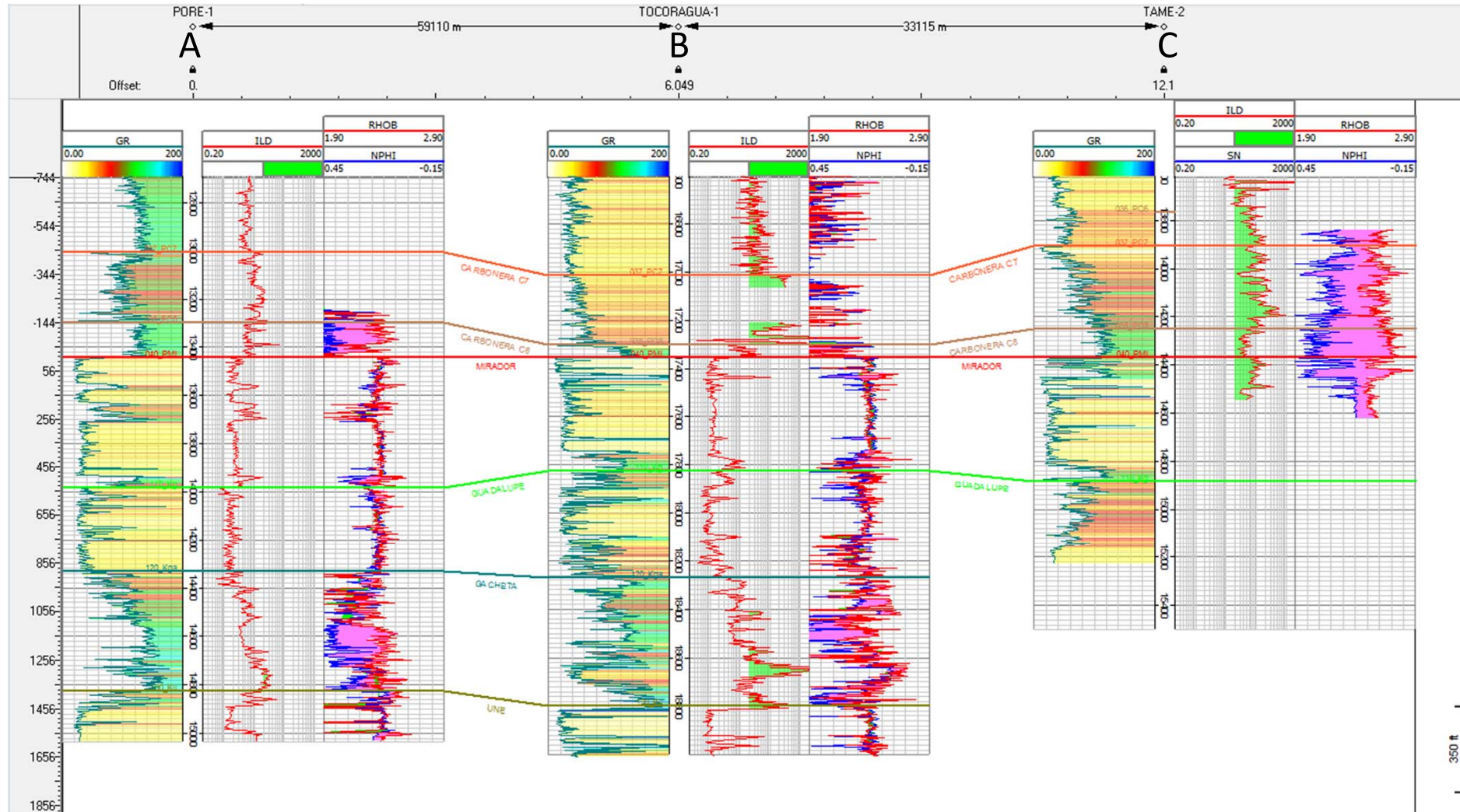
GUADALUPE DEPTH STRUCTURE



Taken from Parex Corporate Presentation March 2017

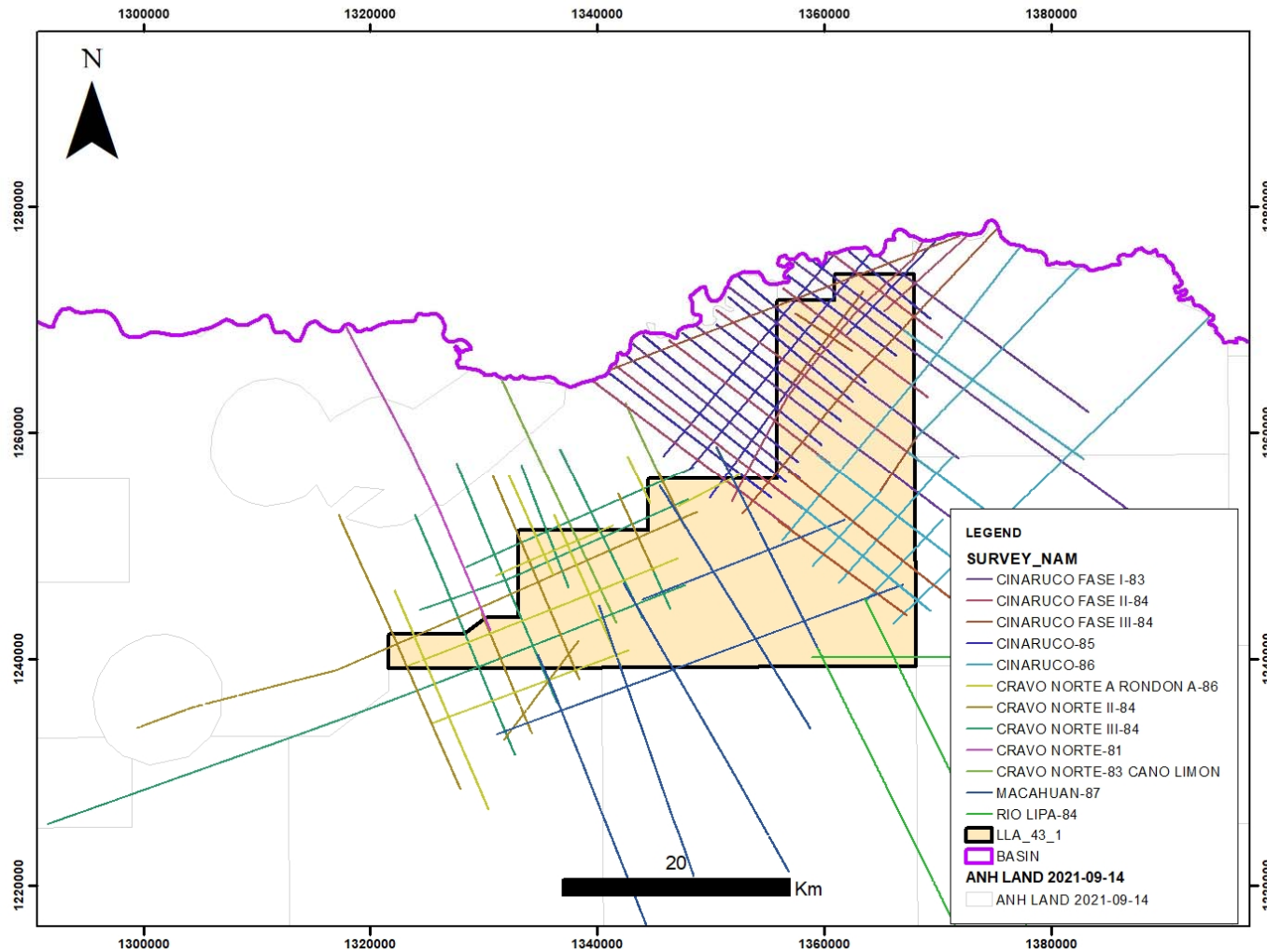


LLA 4-1 – Stratigraphic Correlation (Mirador Datum)



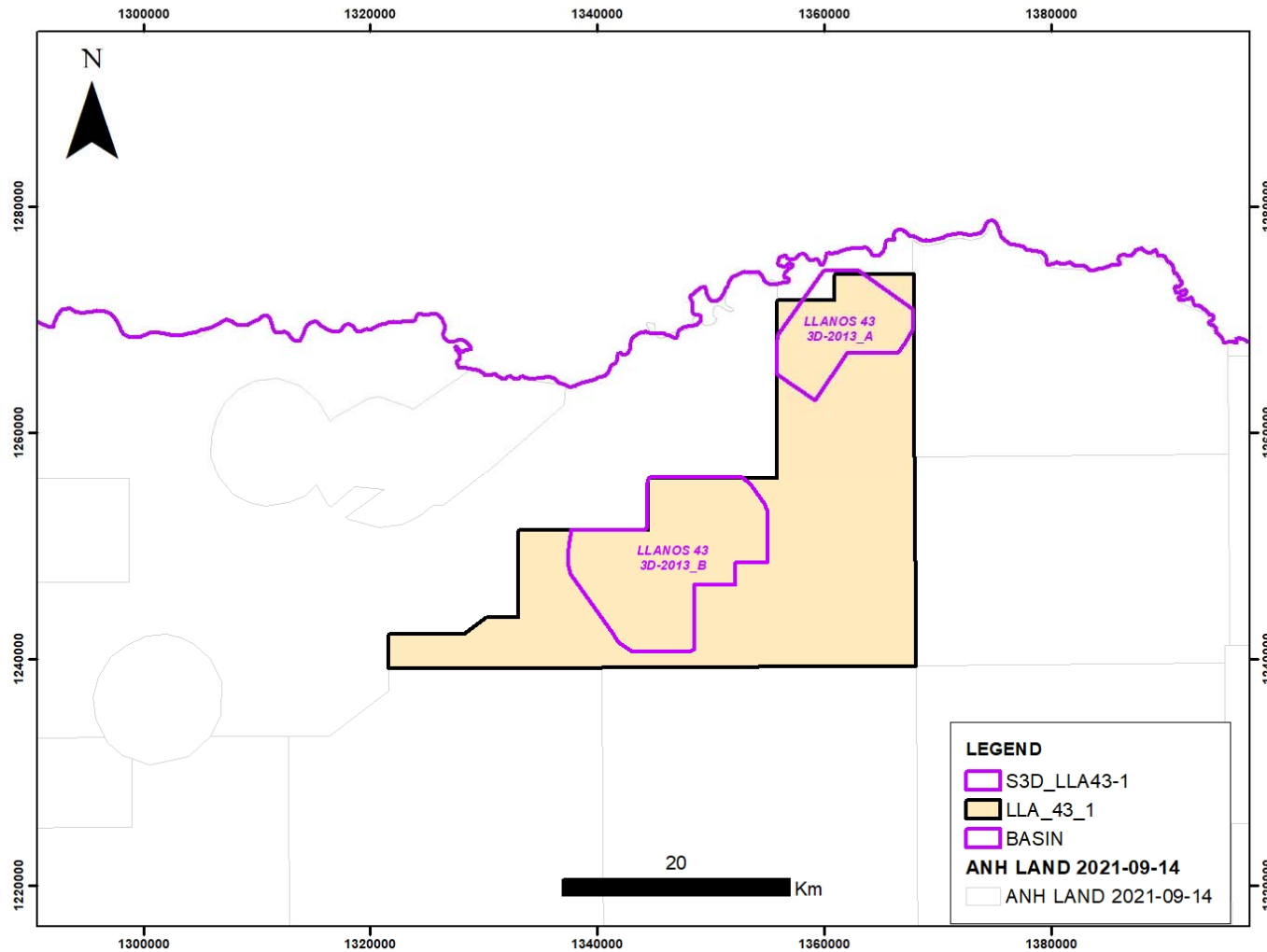
Incorporated Areas

LLA 43-1



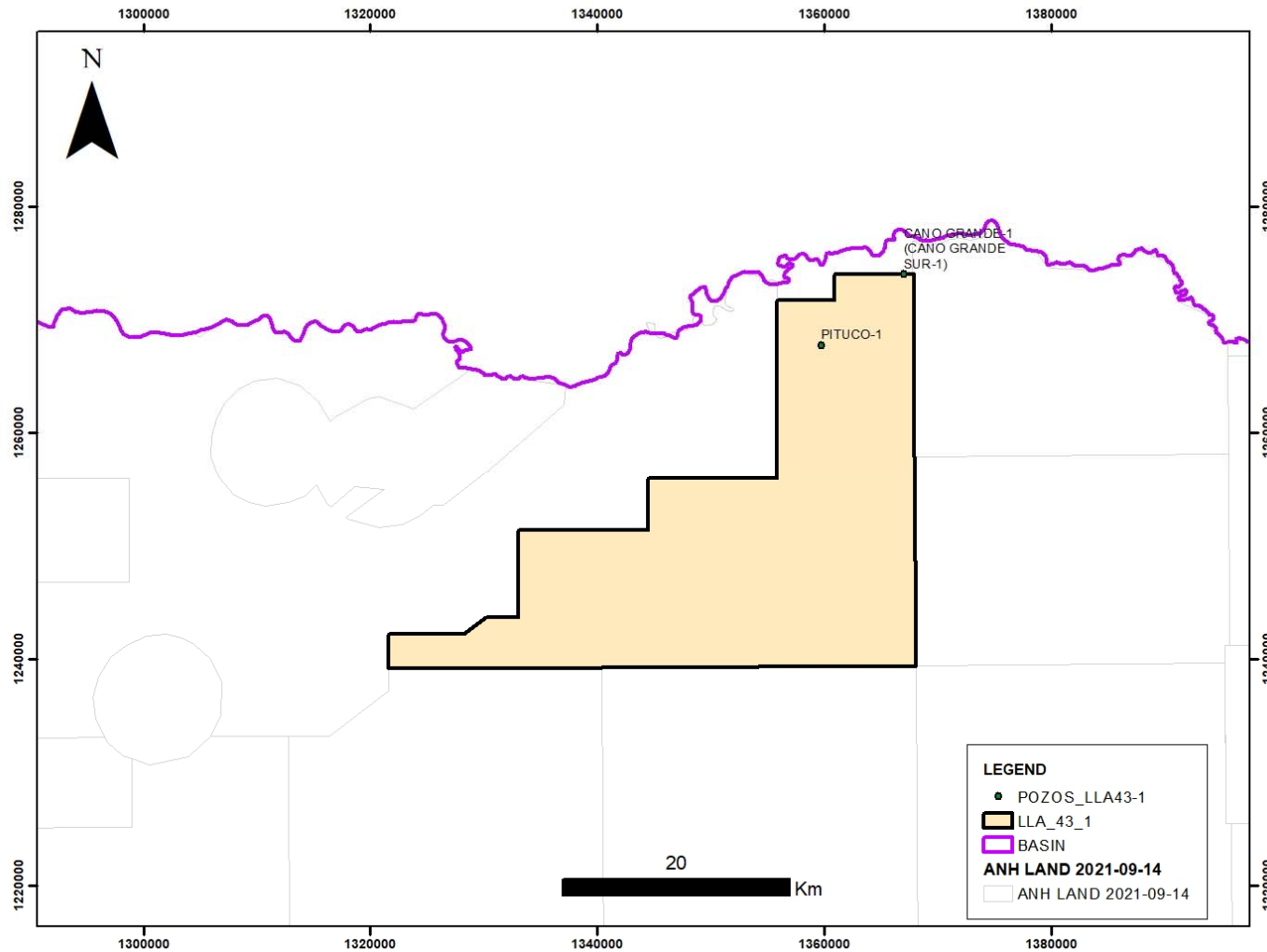
SURVEY	LINES	TOTAL LENGTH	LENGTH INSIDE
CINARUCO FASE I-83	5	140.0	42.7
CINARUCO FASE II-84	8	150.1	73.8
CINARUCO FASE III-84	7	122.3	76.3
CINARUCO-85	14	218.7	84.1
CINARUCO-86	11	216.0	88.5
CRAVO NORTE A RONDON	8	110.6	63.8
CRAVO NORTE II-84	7	133.2	52.6
CRAVO NORTE III-84	8	186.9	66.1
CRAVO NORTE-81	1	29.8	1.2
CRAVO NORTE-83 CANO	2	31.8	9.6
MACAHUAN-87	7	187.0	92.7
RIO LIPA-84	3	93.0	17.5
Total general	81	1619.5	668.9

12 Seismic Program (81 lines)
Total coverage 669 Km



3D SURVEY	AREA_TOTAL	AREA_INSIDE
LLANOS 43 3D-2013_B	172.4	171.4
LLANOS 43 3D-2013_A	81.6	75.8
Total general		247.3

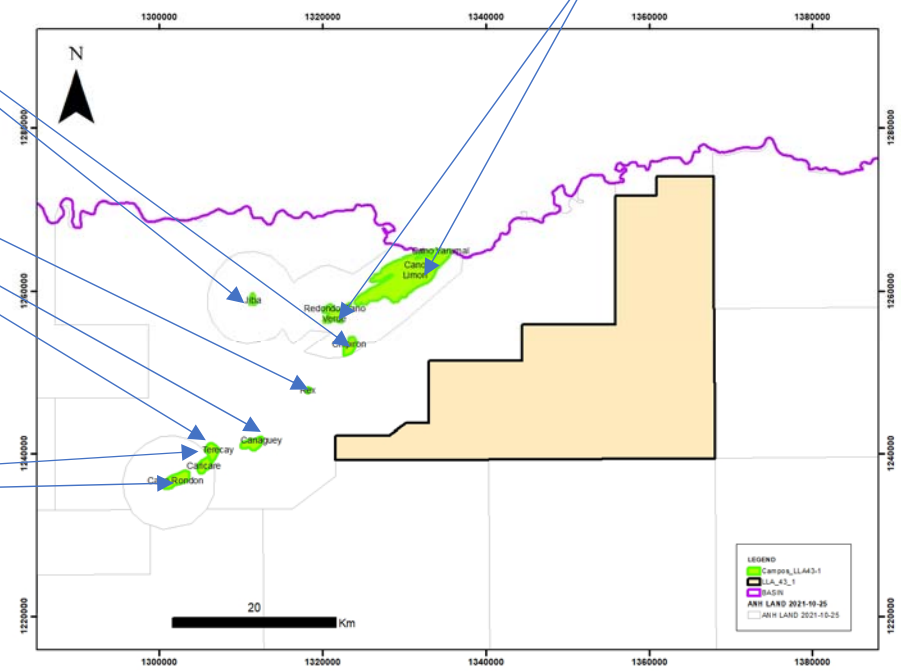
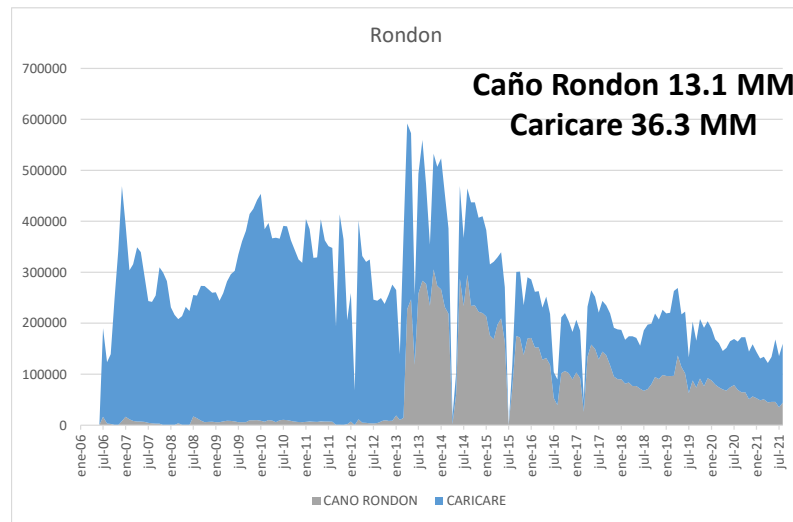
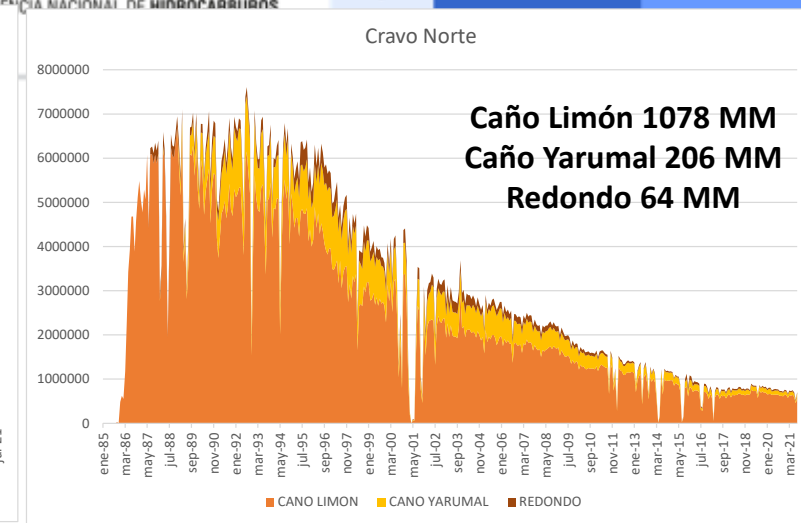
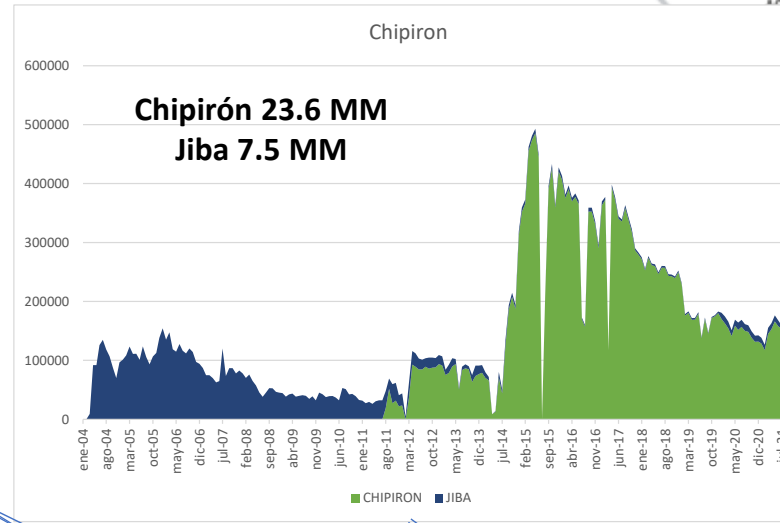
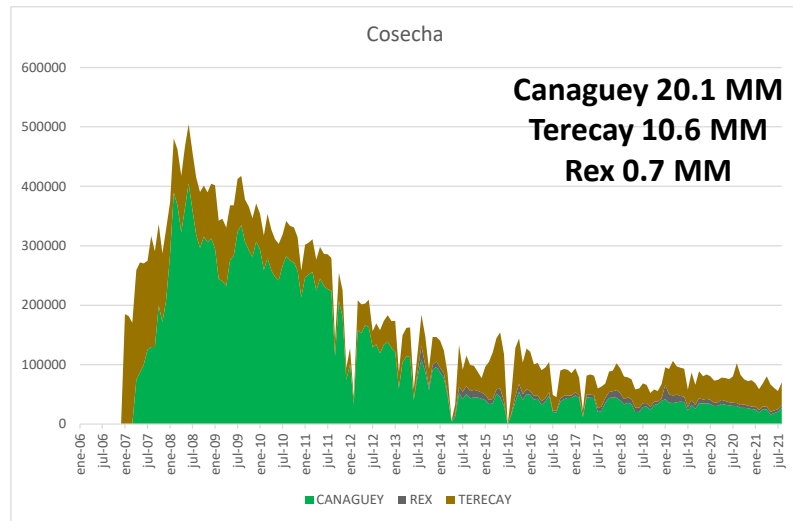
2 Seismic Programs (247 Km²)
Total coverage 32%

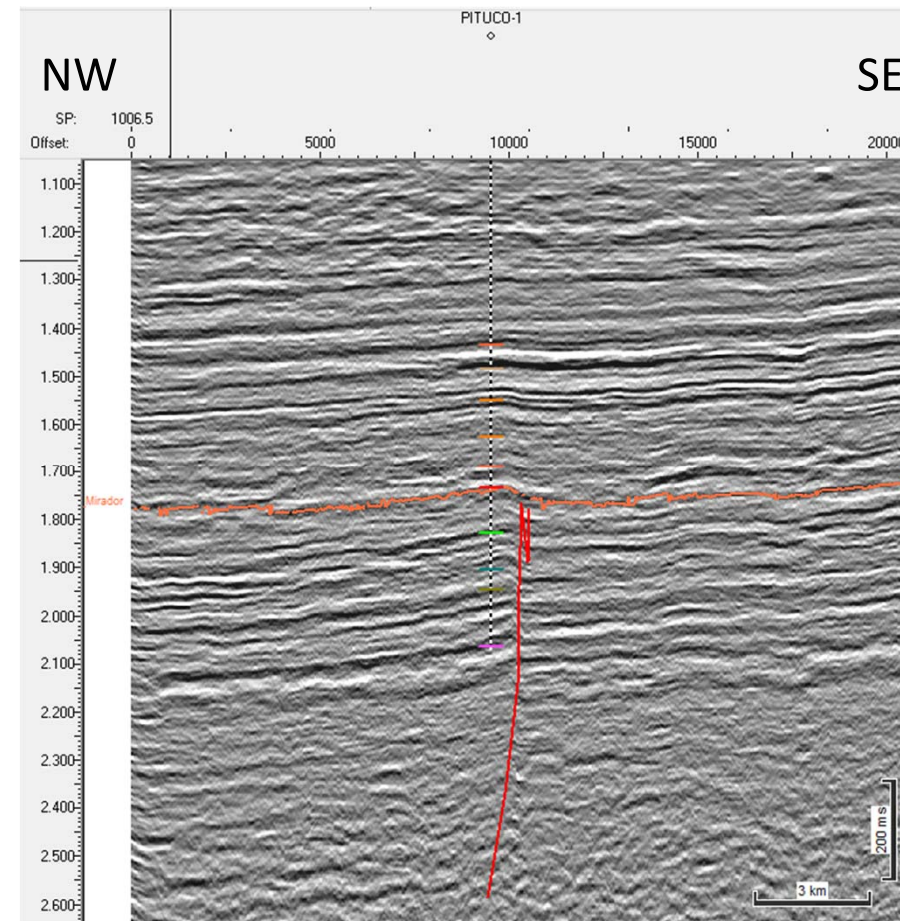
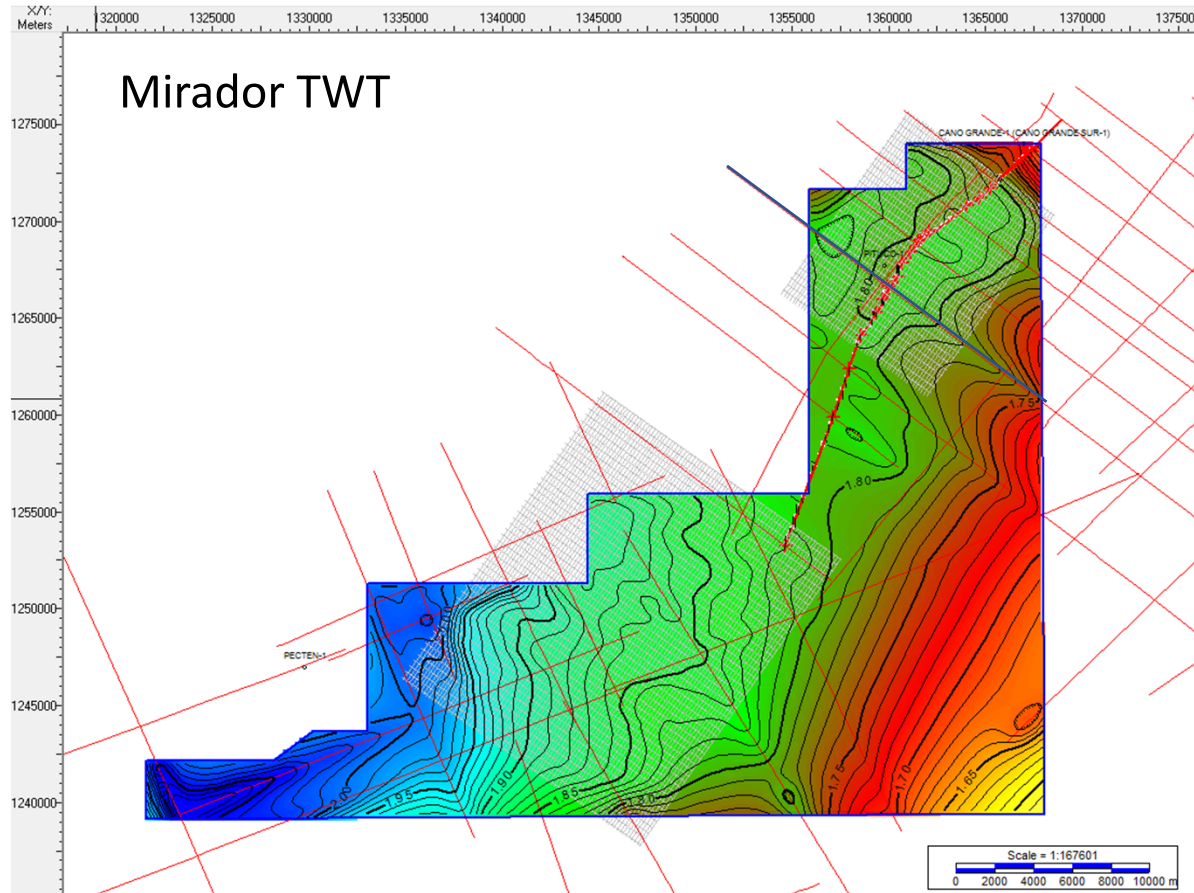


WELL_NAME	RTE	TD	WELL_SPUD
PITUCO-1	446	8764	05/05/1985
CANO GRANDE-1 (CANO GRANDE SUR-1)	450	8200	02/02/1987

2 wells drilled

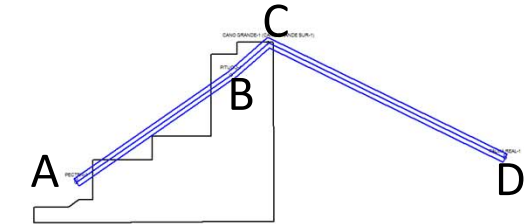
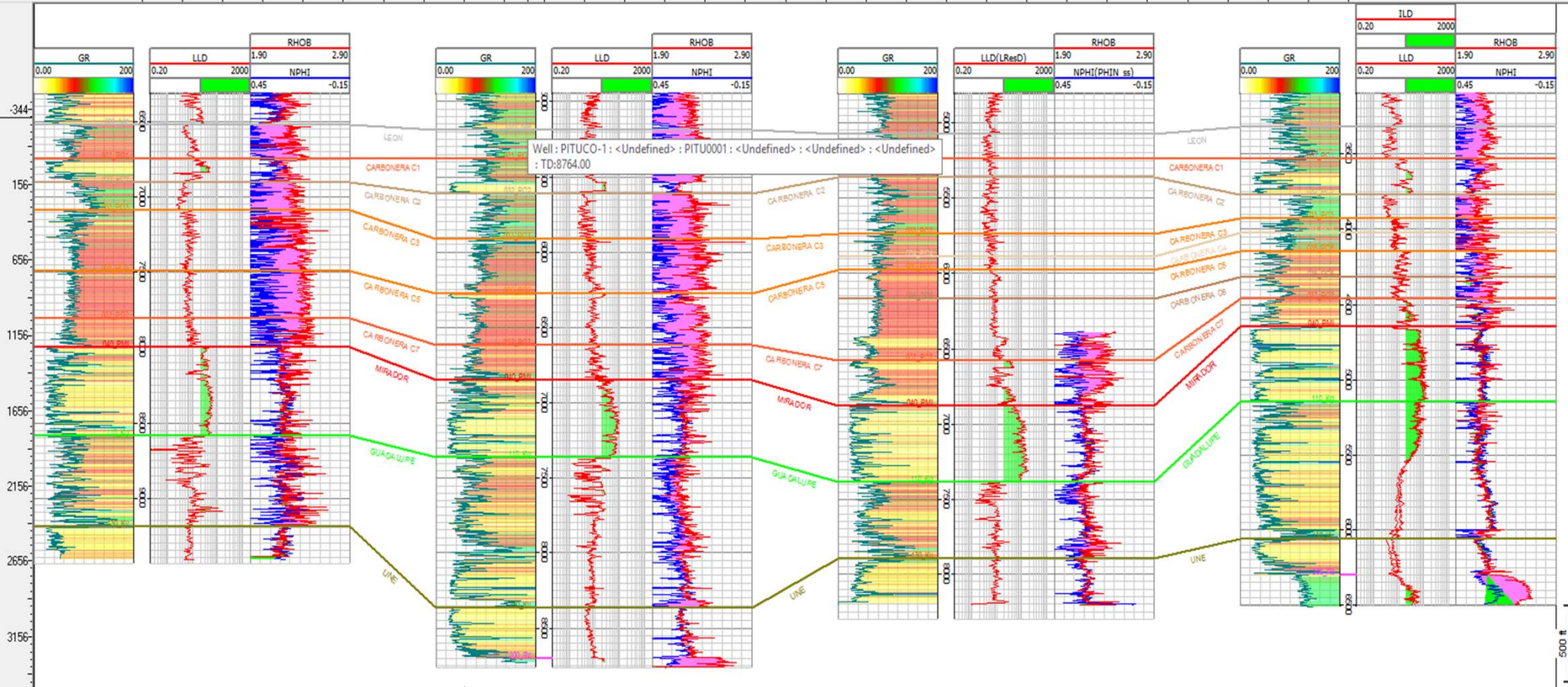
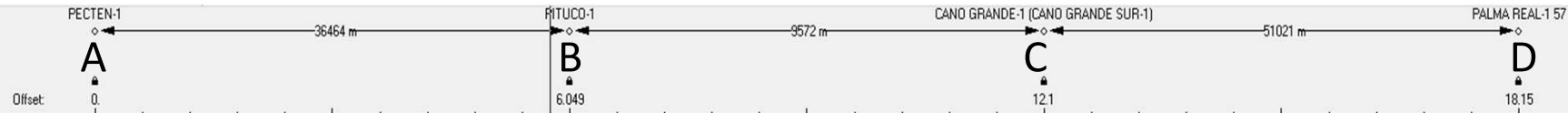
Main Reservoirs:
Lower Carbonera & Cretaceous K2-K3





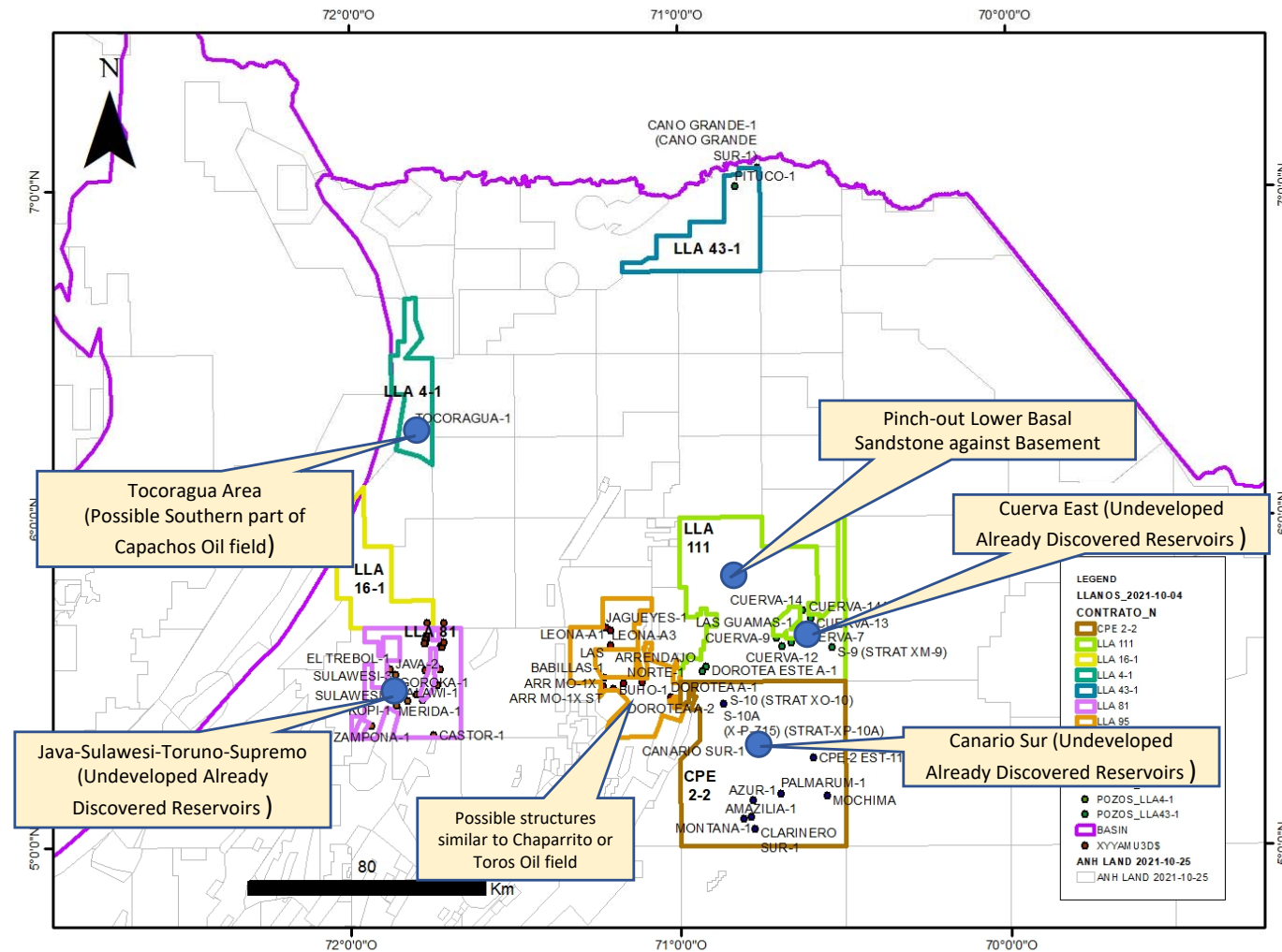
the structure of Pituco is open to the north

LLA 43-1 – Stratigraphic Correlation (Mirador Datum)



No.	DATE	INTERVAL	FORMATION	BOPD	API	MHP
DST # 1 Prod	July 1, 1985	7410'-7450'	Cretaceous K-1 of water	Recv: 39.3 Bb1	-	10 psf
DST # 2 Prod	July 3, 1985	7220'-7310'	Mirador	Recv: 37.4 Bb1	-	27 psf
DST # 3 Prod	July 6, 1985	7100'-7150'	Mirador	Recv: 47.7 Bb1	-	27 psf

- The eastern blocks have a marked characteristic to have stratigraphic traps in the levels of Carbonera and pinch-outs of the basal sands unit.
- It is possible to observe some anticlinal traps against normal antithetical fault within the Llanos eighty one block and there are some possibilities of revision of the wells with production in the past.
- The Llanos sixteen one block was not possible to observe structures of interest in the foreland zone, but would have potential in the northern zone using the existing 2D seismic.
- The structure of Tocaragua in the Llanos four one block is analogous to the structure developed in the Capachos field.
- In block forty-three one no visible structure is observed and the possibility near the Pituco well tends to be open to the north



Thanks