F001	)CEANLAB HYDROGEOLOGY ALGARVE P	FIELD SHEET
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0	CLIENT AND PROPERTY DETAILS	
0.a	CLIENT	
0.b	Municipality (concelho) and parish (freguesia)	
0.c	ADDRESS	
0.d	TEL	
0.e	EMAIL	
0.f	Tax ID (NIF)	
0.g	TITLE / CADASTRAL DOCUMENT / Admin. Ref.	

1	1/ LOCATION	FICHE 001_SYMB_AB_112026
1.a	Latitude	
1.b	Longitude	
1.c	Altitude	
1.d	Geodetic coordinate system used	
1.e	GPS precision	
1.f	UTM coordinates (if available)	
1.g	Exact GPS point of the wellhead	

2	2/ SPATIAL CONTEXT	FICHE 001_SYMB_AB_112026
2.a	Distance to the nearest building	
2.b	Distance to a road	
2.c	Distance to a watercourse	
2.d	Distance to a septic tank / sewage system	
2.e	istance to land application/spreading areas	
2.f	Distance to cultivated crops	
2.g	Presence of reservoirs/tanks	
	Presence of other wells in the vicinity	

3	3. IDENTIFICATION OF WATER CAPTURE TYP	FICHE 001_SYMB_AB_112026
3.a	Developed spring	
3.b	Traditional well	
3.c	Cased well	
3.d	Masonry well	
3.e	Concrete well	
3.f	Dug well	
3.g	Diameter	
3.h	Depth	
3.i	Vertical / inclined borehole	
3.j	Apparent diameter	
3.k	Casing diameter	
3.l	Casing material	
3.m	Presence of a piezometric tube	
3.n	Open / closed wellhead	

4	4. BOREHOLE GEOMETRY	FICHE 001_SYMB_AB_112026
4.a	**Diameter**	
4.a.1	Inner diameter	
4.a.2	Outer diameter	
4.a.3	Casing diameter	
4.a.3	Well diameter (if open)	
4.b	**Casing**	
4.a.1	PVC	
4.a.2	Steel	
4.a.3	Other	
4.a.4	Diameter	
4.a.5	Casing depth	
4.a.6	Condition	
4.c	**Screen (well screen)**	
4.c.1	Depth at start of screen	
4.c.2	Depth at end of screen	
4.c.3	Length	
4.c.4	Diameter	
4.c.5	Type	
4.d	**Filter pack**	
4.d.1	Material	
4.d.2	Estimated thickness	
4.d.3	Depth	

5	5. Static water level (piezometric prob	FICHE 001_SYMB_AB_112026
5.a	Altitude of the reference point (RP)	
5.b	Measured water level (WL)	
5.c	**Piezometric level = RP - WL**	

6	6. TEMPERATURE AND PHYSICO-CHEM	FICHE 001_SYMB_AB_112026
6.a	temperature	
6.b	pH	
6.c	electrical conductivity	
6.d	TDS	
6.e	ORP/redox (if available)	
6.f	salinity	
6.g	dissolved oxygen (if available)	
6.h	turbidity	
6.i	high mineralization	
6.j	marine influence	
6.k	mixing of water sources	
6.l	pollution issues	

7	. VISUAL APPEARANCE OF THE WATE	FICHE 001_SYMB_AB_112026
7.a	**color**	
7.a.1	clear	
7.a.2	slightly cloudy	
7.a.3	cloudy	
7.a.4	yellowish	
7.a.5	brownish	
7.a.6	other	
7.b	**odor**	
7.b.1	none	
7.b.2	sulfurous	
7.b.3	organic	
7.b.4	hydrocarbon	
7.c	**particles**	
7.c.1	sand	
7.c.2	silt	
7.c.3	clay	
7.c.4	precipitates	
7.c.5	iron	
7.c.6	other	

8	8. PUMP	FICHE 001_SYMB_AB_112026
8.a	make	
8.b	model	
8.c	power	
8.d	voltage	
8.e	installation depth	
8.f	diameter	
8.g	type	
8.h	rated flow rate	
8.i	power supply	

9	9. FLOW RATE	FICHE 001_SYMB_AB_112026
9.a	**Instantaneous flow rate: Q = L/min or m³/h**	
9.b	Actually exploitable flow rate	
9.b.1	Q1 = initial flow rate	
9.b.2	Q2 = flow rate after 10 min	
9.b.3	Q3 = flow rate after 30 min	
9.b.4	Q4 = flow rate after 60 min	

10	10. AVAILABLE WATER VOLUME	FICHE 001_SYMB_AB_112026
	$V=\pi D^2/4 \times h$ (height of water column)	
10.a	**Volume of water stored in the borehole**	
10.b	**Estimated exploitable flow rate**	

11	11. PUMPING TEST	FICHE 001_SYMB_AB_112026
	Simultaneous measurements: time → water level → flow rate	**Niveau statique (m) et debit (L/min)**
11.a	0 min	
11.b	5 min	
11.c	11 min	
11.d	20 min	
11.e	30 min	
11.f	60 min	

12	12. RECOVERY TEST	FICHE 001_SYMB_AB_112026
	Time after pump shutdown	**Niveau statique (m)**
12.a	0 min	
12.b	5 min	
12.c	10 min	
12.d	20 min	
12.e	30 min	
12.f	60 min	

13	13. WATER QUALITY	FICHE 001_SYMB_AB_112026
13.a	***On-site (field) testing***	
13.a.1	Temperature and pH	
13.a.2	Conductivity	
13.a.3	TDS	
13.a.4	Turbidity	
13.a.5	ORP	
13.a.6	Dissolved O_2	
13.b	***Laboratory analysis (additional fees)***	**FICHE 001_SYMB_AB_112026**
13.b.1	E. coli	
13.b.2	Coliforms	
13.b.3	Enterococci	
13.b.4	Nitrates	
13.b.5	Nitrites	
13.b.6	Ammonium	
13.b.7	Chlorides	
13.b.8	Sulfates	
13.b.9	Sodium	
13.b.10	Potassium	
13.b.11	Calcium	
13.b.12	Magnesium	
13.b.13	Iron	
13.b.14	Manganese	
13.b.15	Fluorides	
13.b.16	Pesticides	
13.b.17	Hydrocarbons	
13.b.18	Heavy metals*	

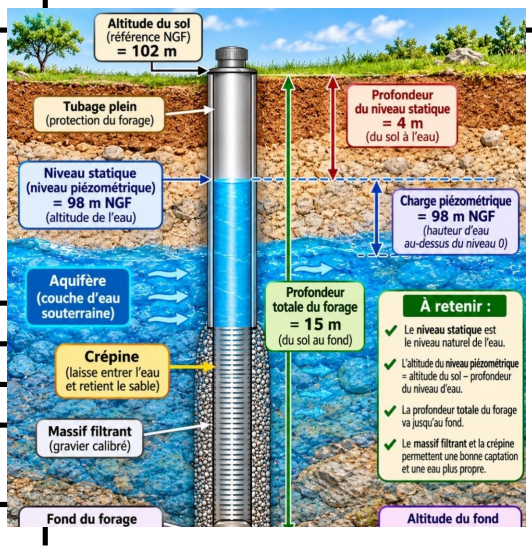
14	14. POLLUTION RISKS	FICHE 001_SYMB_AB_112026
14.a	septic tank	
14.b	individual sanitation system	
14.c	livestock farming	
14.d	manure	
14.e	fuel storage	
14.f	garage	
14.g	nt protection products (pesticides/herbicides)	
14.h	fertilizers	
14.i	illegal dumping site	
14.j	hydrocarbons	
14.k	industry	
14.l	workshop	
14.m	cemetery	
14.n	gas station	
14.o	intensive agricultural zone	

15	15. HYDROGEOLOGICAL CONTEXT	FICHE 001_SYMB_AB_112026
15.a	watershed	
15.b	groundwater body	
15.c	presumed aquifer	
15.d	lithology	
15.e	geological formations	
15.f	elevation	
15.g	slope	
15.h	drainage	
15.i	proximity to a watercourse	
15.j	proximity to the sea	
15.k	coastal setting	
15.l	risk of saltwater intrusion	
15.m	other known water abstraction points	
15.n	land use	

16	16. PHOTOS	FICHE 001_SYMB_AB_112026
16.a	**Photo 01 — general view of the property**	
16.b	**Photo 02 — general view of the abstraction point**	
16.c	**Photo 03 — wellhead**	
16.d	**Photo 04 — pump identification plate**	
16.e	**Photo 05 — casing**	
16.f	**Photo 06 — electricity meter**	
16.g	**Photo 07 — water meter / flow meter**	
16.h	**Photo 08 — electrical installation**	
16.i	**Photo 09 — storage tank**	
16.j	**Photo 10 — immediate surroundings**	
16.k	**Photo 11 — potential source of pollution**	

17	17. OWNER'S DOCUMENTS	
	property deed	**FICHE 001_SYMB_AB_112026**
17.a	cadastral reference	
17.b	previous permit/authorization	
17.c	eclaration/authorization for water abstraction)	
17.d	previous declaration	
17.e	drilling documentation	
17.f	drilling invoice	
17.g	declared depth	
17.h	declared flow rate	
17.i	previous water analyses	
17.j	electricity bills for the pump	
17.k	existing plans	
17.l		

18	18. ADMINISTRATIVE IDENTIFICATION	
	☐ **Documented abstraction point**	**FICHE 001_SYMB_AB_112026**
18.a	☐ Existing abstraction point, but documentation is incomplete	
18.b	☐ Abstraction point requiring regularization	
18.c	☐ Potentially problematic situation	
18.d	◯ Insufficient information	
	abstractions are managed within the "Recursos hídricos" (Water Resources) module of SILiAmb, and that there are, in particular, procedures for notification/authorization regarding private groundwater abstractions.	
	L'APA précise que les captations privées sont gérées dans le module « Recursos hídricos » du SILiAmb et qu'il existe notamment des procédures de communication/autorisation pour les eaux souterraines privées.	



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