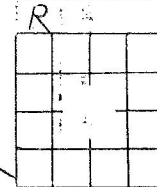


NWFO-3182 DA 40 NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT **EAFO Field #4** FILE NO. **01-10**
WELL NUMBER _____ BASIN _____ LAT. **30°30'12"** LONG. **86°35'14"** COUNTY **OKALOOSA** DATE **8/29/78** PERMIT NO. **(Federal - not Needed)**
LOCATION T **1S** R **23W** SEC **18** SE $\frac{1}{4}$ of NE $\frac{1}{4}$ of NW $\frac{1}{4}$ MAP OR QUAD _____ **0A58**

OWNER **NWFNMD - USGS** ADDRESS _____
WELL DEPTH **1011** ft. CASING **0** ft. OPEN HOLE _____ ft. WELL FINISHED: SCREENED _____ OPEN HOLE _____
START OF LOG LSD **TD = 1031** + _____ ft. TOP OF CASING TO LSD _____ DEPTH LOGGED TOP _____ ft. BOTTOM _____ ft. TOTAL FT. LOGGED **9/8 2852**
CONDITION _____ DATE DRILLED _____ GROUTED _____ DATE _____ CAPPED _____ TYPE OF CASING **seamless** SIZE **6" 4870**
FLOWING _____ GPM _____ HEAD _____ IN. TOP OF LS LSD _____ MSL _____ ELEVATION OF LSD TO MSL **92**
FORMATION _____ FORMATION TOP REFERENCE TO LSD _____ ft. MSL _____ ft.
AQUIFER **Lower Floridan** WATER LEVEL REFERENCE TO LSD _____ ft. MSL _____ ft. ARTESIAN HEAD _____ ft.

TYPE OF LOG	INTERVAL TO	VERT. SCALE	HORZ. SCALE	DIRECTION LOGGED	SPEED FT./MIN.	REMARKS
2 Gamma w/ccl TC=2	$\frac{1}{4}$ 1009	1"20ft	200 CPS	UP		BESIDE STEM 8/29/78
2 Caliper-Arms=	$\frac{1}{8}$ 987					INSIDE STEM 9/8/78
Temp w/ccl	$\frac{1}{8}$ 901					
Fluid Resistivity						
Electric /SP Res.	0 150	20				9/8/78
Flow Meter						
16" spacing	0 150	20				9/8/78
64" spacing	0 100	20				"
CCL	0 650	20	-	UP/DN	20	"

LOCATION:



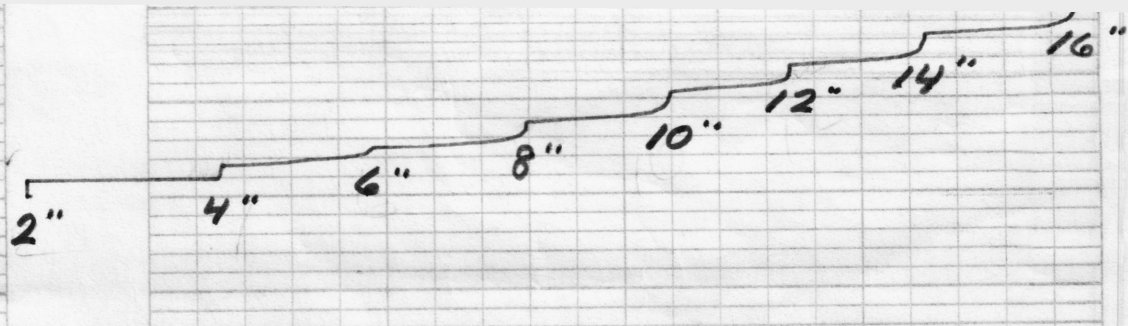
USE OF WELL Anode Drainage Observation Oil-Gas Recharge Test Abandoned Withdrawal Waste Irrigation Public Supply
QUALITY WATER SAMPLE Yes No Date _____ Depth(s) _____ pH _____ Salinity _____ Conductivity _____ Temp. _____ Chloride _____
DRILLER **Red Horse Unit / Albrighton** TYPE OF RIG **Rotary** PUMP INTAKE DEPTH _____ TYPE OF PUMP _____ hp _____ DRILLER SAMPLES _____
Start of Logging _____ Finished logging _____ Total Time _____ hr. Operator/observer **Kwader** /
Well Accessibility _____
Lithological Summary _____

REMARKS: **Well drilled by EAFO Red Horse unit with their crew + Rig for training. Hole will be cased to Lower Floridan for observation. Well is part of FWB project. Many problems incurred during the drilling.**

THIS LOG FOR HYDROGEOLOGICAL DATA ONLY - NOT FOR CONTRACTUAL SATISFACTION

OA 40
~~OA 50~~
Field #4
8-29-78

Nurf vms
NWFD-3182



0

(Rebar Caliper)

100

200

300

400

500

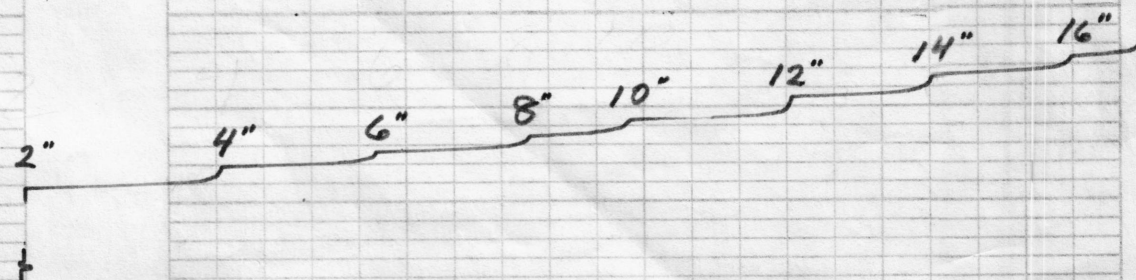
600

700

800

890

TD. REACHED
903'



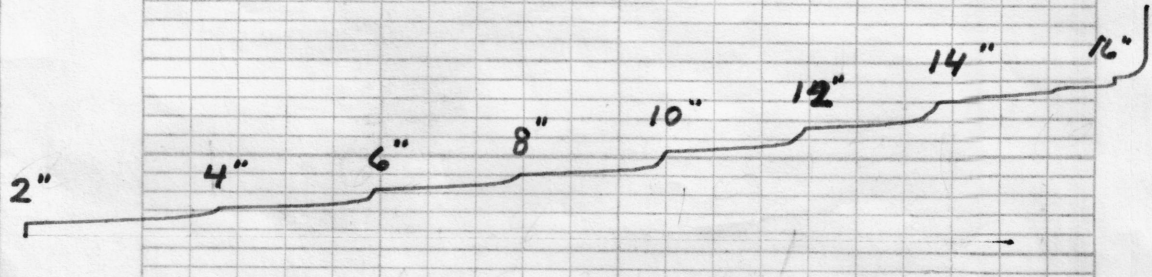
0A43
0A58
Field #4
8.28.78

NWfuma

NWFD-3182

CALIPER LOG

SMALL ARMS
50'/MIN



0

20

CLAY pinching

SANDS

100

200

Pensacola
Clay

300

400

500

600

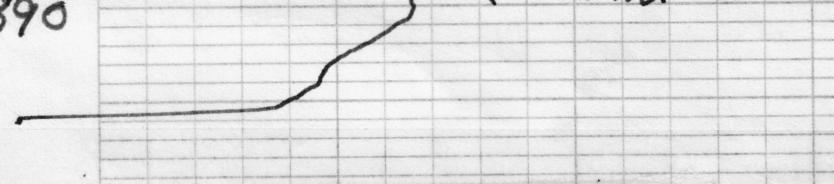
700

800

T.D. REACHED - 903'

890

mud cake



0

Electric - 16" spacing

~~OA 40~~

Field #4

8.29.78

NWFWMO

NWFID-3192

Top of Drill Stem?
50

100

150

DA 40

~~DA 50~~

Field #4

8-29-78

Electric - 64" spacing

NuFunno

NWFED-3182

0

50

100

0

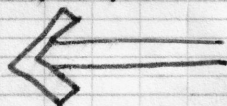
100

200

Top of Drill Stem?

$\Omega - M / M^2$

Radiation Increases



10
50
100
200
300
400
500
600
700
800
900
1000

[Condensed Log - Not
For Interpretation - Run
Down Outside Drill Stem -
50 FPM]

1" = 100'

DA 40

~~DA 50~~

Field #4

8.29.78

Nw Fund

NWFD-3182

200 CPS

200 CPS
100

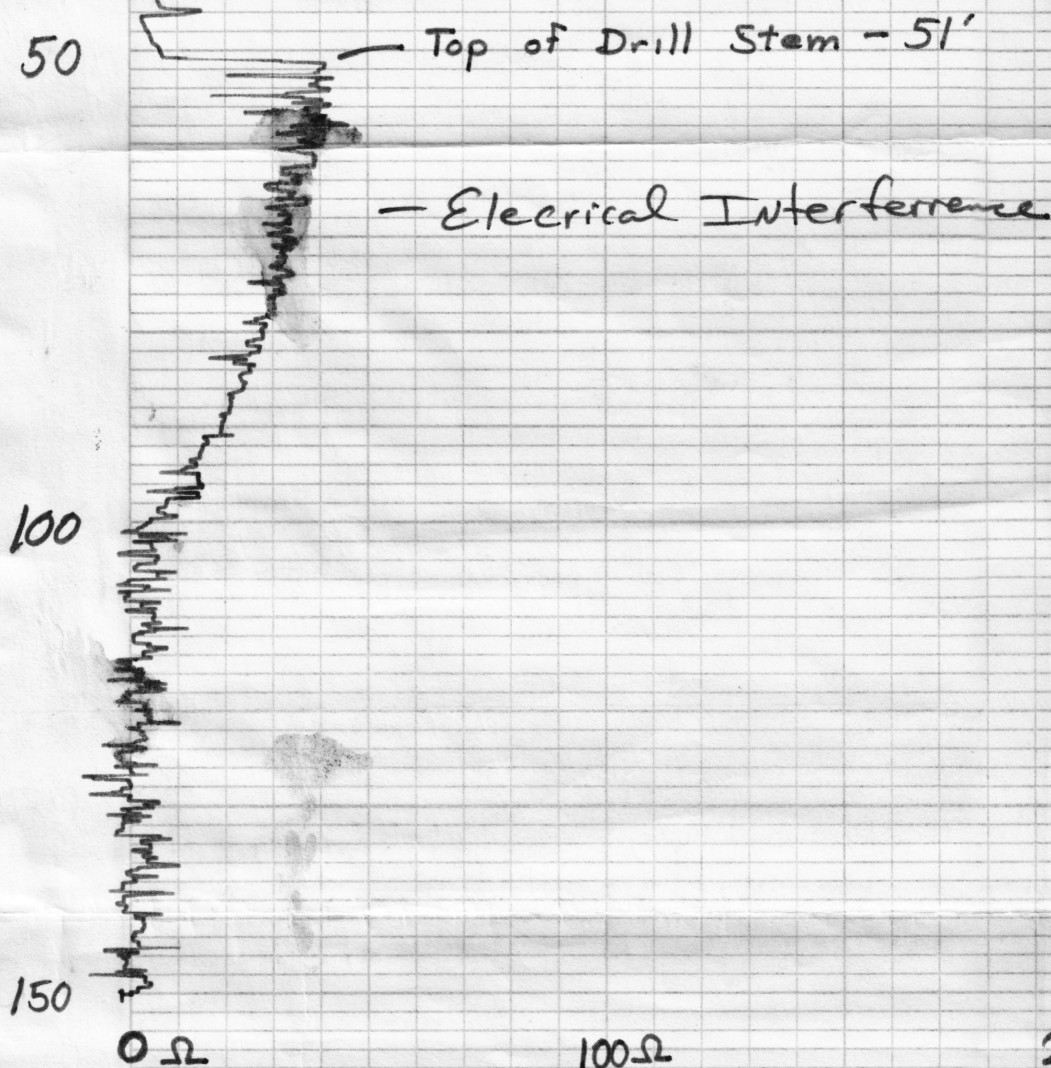
T.D. = 1011

NWFLD-318² OA 42

~~01A 58~~
Field #4
8.29.78

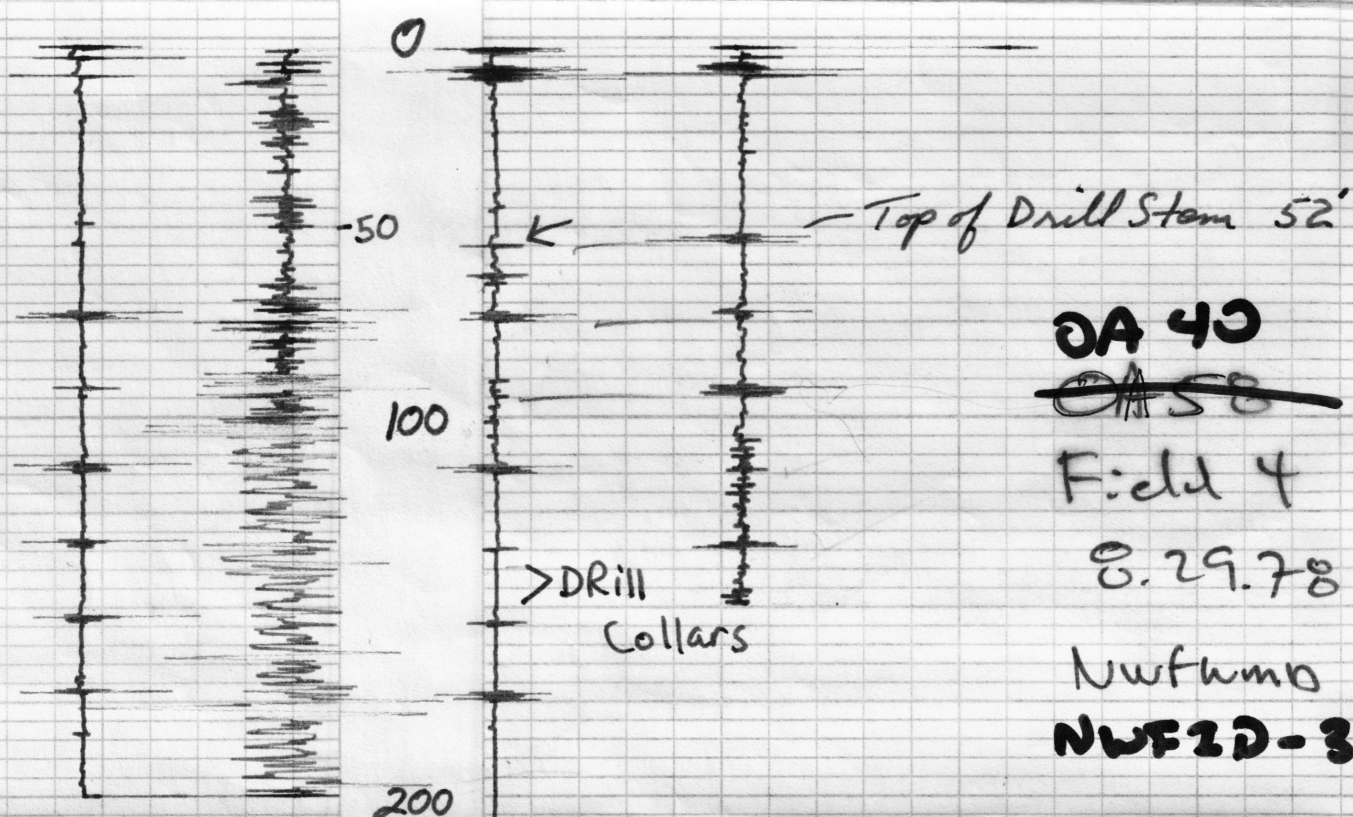
SINGLE POINT RESISTANCE

New Funds



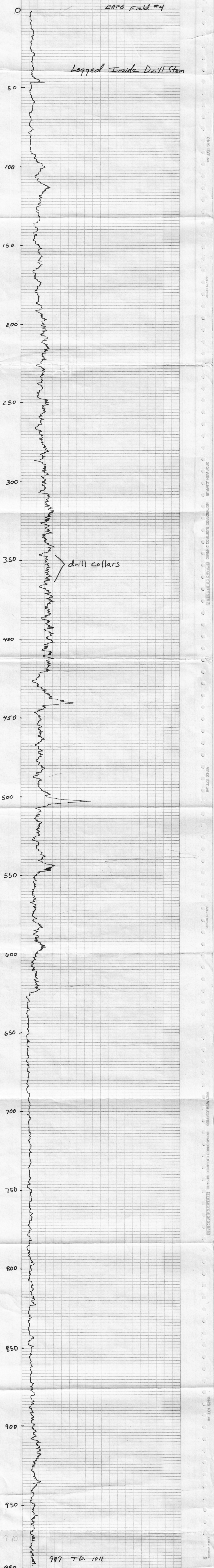
CASING COLLAR LOCATOR

To Locate to of Dropped Drill Stem



OA 40
~~OA 50~~
Field #4
8.28.77 78
Nwflms
NWFD - 3190

Logged Inside Drill Stem



OA 40

~~OA 50~~

Field #4

8-29-78

Nwtuna

NwfTD-3182

Field #4

Red Horse/Albritton

SAND

[Logged Open Hole Beside Stem]

CLAYEY SAND

Less CLAY

↓ Pensacola Clay
(MARL)

CLAY

— TOP of LS

— Change

Pensa Buccatuna Clay (?)

CLAY SANDS

T.D. = 1011