

Kansas Department of Agriculture
 Division of Water Resources
CHANGE: P/D WORKSHEET

1. File Number: 8240	2. Status Change Date: <i>12-12-2022</i>	3. Change Num: C2	4. Field Office: 4	5. GMD: 3
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6. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return	7. Filing Date of Change: 12/5/2022
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8a. Landowner, applicant, WUC New to system <input type="checkbox"/> Person ID 51074 _____ Add Seq# _____ NAIRN & NAIRN FARMS Attn: KEEGAN NAIRN PO BOX 493 JOHNSON, KS 67855	8c. Landowner(s) New to system <input type="checkbox"/> Person _____ Add Seq# _____
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8b. Landowner(s), New to system <input type="checkbox"/> Person ID 39063 _____ Add Seq# _____	8d. WUC New to system <input type="checkbox"/> Person ID _____ Add Seq# _____
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9. Documents and Enclosure(s): DWR Meter(s) Date to Comply: **12/31/2023** N & P Date to Comply: **3/1/2024**

Anti-Reverse Meter Meter Seal Check Valve N & P Form Water Tube Driller Copy H & E Letter
 Conservation Plan Date Required: _____ Date Approved: _____ Date to Comply: _____

10. Use Made of Water From: _____ To: _____

Date Prepared: **12/12/2022** By: **MAM**
 Date Entered: _____ By: _____

File No. **8240** 11. County: ST Basin: CIMARRON RIVER Stream: Formation Code: 211/331 Special Use:

12. Points of Diversion
 Rate and Quantity
 Authorized Additional
 Rate Quantity Rate Quantity
 gpm af gpm af Overlap PD Files

DEL 5726
ENT NESWSW 6 29 39W 438 5076 *5018 1842.66 1428 882.66 3351, 4814, 17102

CHK 13906
CHK 75732

***BLANKET RATE AND QUANTITY**

13. Storage: Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft

14. Limitation: _____ af/ at _____ --- gpm (_____ --- cfs) when combined with file number(s) _____
 Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____

15. 5YR Allocation: Allocation Type _____ Start Year _____ 5 YR Amount _____ Amount Unit _____ Base Acres _____ Comment _____

16. Place of Use CHK MOD DEL ENT	PUSE	S	T	R	ID	NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
						NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼				
CHK 9313																									
CHK 33774																									
CHK 35511																									
CHK 52427																									

Base Acres: Year: Minimum Reasonable Quantity:
 Comments:

Garden City Field Office
4532 W. Jones, Suite B
Garden City, KS 67846



Phone: 620-276-2901
Fax: 620-276-9315
www.agriculture.ks.gov

Mike Beam, Secretary

Laura Kelly, Governor

December 12, 2022

NAIRN & NAIRN FARMS
Attn: KEEGAN NAIRN
PO BOX 493
JOHNSON, KS 67855

RE: Field Office Application for Change
Water Right, File Nos. 3312, 3351, 4814, 8240, 9755,
17102, 22167

Dear Sir:

Enclosed are orders executed by the designee of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the application for change under the above referenced file numbers.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these approvals for change. A condition of these approvals is that an acceptable water flow meter must be installed on the diversion works authorized under the referenced file number and meet current specifications. Please return the required notification of completion of the diversion works and installation of the required meter as soon as these actions are completed.

Since the order modifies the original documents referred to above, they should be recorded with the Register of Deeds as other instruments affecting real estate.

The abandoned well must be plugged in accordance with the requirements of Article 30 of the Rules and Regulations as adopted by the Kansas Department of Health and Environment.

Should you have any questions, please feel free contact this office. If you would prefer, you could arrange an appointment for additional assistance.

Sincerely,

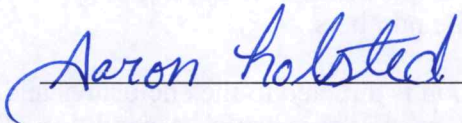

Michael A. Meyer
Water Commissioner

MAM:
Enclosures

CERTIFICATE OF SERVICE

On this 13th day of December 2022, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File Nos. 3312, 3351, 4814, 8240, 9755, 17102, 22167 dated 12th day of December 2022 was mailed postage prepaid, first class, US mail to the following:

NAIRN & NAIRN FARMS
Attn: KEEGAN NAIRN
PO BOX 493
JOHNSON, KS 67855



Division of Water Resources Staff

Submit completed application to:
 Kansas Department of Agriculture
 Division of Water Resources
 Field Office for your area.
 Call for address:
 Topeka -- (785) 296-5733
 Stafford -- (620) 234-5311
 Stockton -- (785) 425-6787
 Garden City -- (620) 276-2901
<http://agriculture.ks.gov/dwr>

DWR FIELD OFFICE APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF USE AND/OR THE POINT OF DIVERSION



STATE OF KANSAS

Filing Fee Must Accompany the Application, K.S.A. 82a-708b(b), as amended.
 Fee Schedule is on the third page of this application form.

Paragraph Nos. 1, 2, 3 & 5 must be completed. Complete all other applicable portions. If change in point of diversion is greater than 100 feet, or if place of use will be changed, include a topographic map or detailed plat showing the authorized and proposed point(s) of diversion and/or place of use.

RECEIVED
 8:08 am
 DEC 05 2022

File No. 8240

1. Application is hereby made for approval of the Chief Engineer to change the (check one or both):
 Place of Use Point of Diversion
 under the water right which is the subject of this application in accordance with the conditions described below.
 The source of supply is: Groundwater Surface water

Garden City Field Office
 Division of Water Resources

2. Name and address of Applicant: NAIRN & NAIRN FARMS
PO BOX 493 JOHNSON, KS. 67855
 Phone Number: () Email address: _____
 Name and address of Water Use Correspondent: _____
 Phone Number: () Email address: _____

3. The presently authorized place of use is:
 Owner of Land ---- NAME: NO CHANGE
 ADDRESS: _____
 (If there is more than one landowner, attach supplemental sheets as necessary.)

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES		
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼			

4. If this application is for a change in place of use, it is proposed that the place of use be changed to:
 Owner of Land ---- NAME: NO CHANGE
 ADDRESS: _____
 (If there is more than one landowner, attach supplemental sheets as necessary.)

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES			
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼				

For Office Use Only: Code _____ Fee <u>\$100.00</u> TR # _____ Receipt Date <u>12-5-22</u> Check # <u>001559</u>

APPLICATION FOR APPROVAL TO CHANGE
THE PLACE OF USE AND/OR POINT OF DIVERSION
SUPPLEMENTAL SHEET
FILE NO. ~~3351~~ 8240

Presently authorized point of diversion:
One in the _____ Quarter of the _____ Quarter of the LOT 4 (NWNW) Quarter
of Section 6, Township 29 South, Range 39 W,
in ST _____ County, Kansas, 4000 feet North 4944 feet West of Southeast corner of section.
Authorized Rate --- Authorized Quantity --- Depth of well _____ (feet)
(DWR use only: Computer ID No. 04 GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested)
One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
This point is: Additional Well Geo Center List other water rights that will use this point _____

Presently authorized point of diversion:
One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested)
One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
This point is: Additional Well Geo Center List other water rights that will use this point _____

Presently authorized point of diversion:
One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested)
One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
This point is: Additional Well Geo Center List other water rights that will use this point _____

Presently authorized point of diversion:
One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested)
One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
This point is: Additional Well Geo Center List other water rights that will use this point _____

5. **Presently authorized point of diversion:**
 One in the LOT 7 Quarter of the SW Quarter of the LOT 7 (SW SW) Quarter of Section 6, Township 29 South, Range 39 W, in STANTON County, Kansas, 880 feet North 4680 feet West of Southeast corner of section. Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. 2 GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 One in the NE Quarter of the SW Quarter of the SW Quarter of Section 6, Township 29 South, Range 39 W, in STANTON County, Kansas, 848 feet North 4503 feet West of Southeast corner of section. Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

6. **Presently authorized point of diversion:**
 One in the LOT 2 Quarter of the SW Quarter of the LOT 2 (SW SW) Quarter of Section 7, Township 29 South, Range 39 W, in STANTON County, Kansas, 2690 feet North 5140 feet West of Southeast corner of section. Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. 1 GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (E/W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section. Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

7. The changes herein are desired for the following reasons?
 (please be specific) Lack of production on current location

8. If a well, is the test hole log attached? Yes No

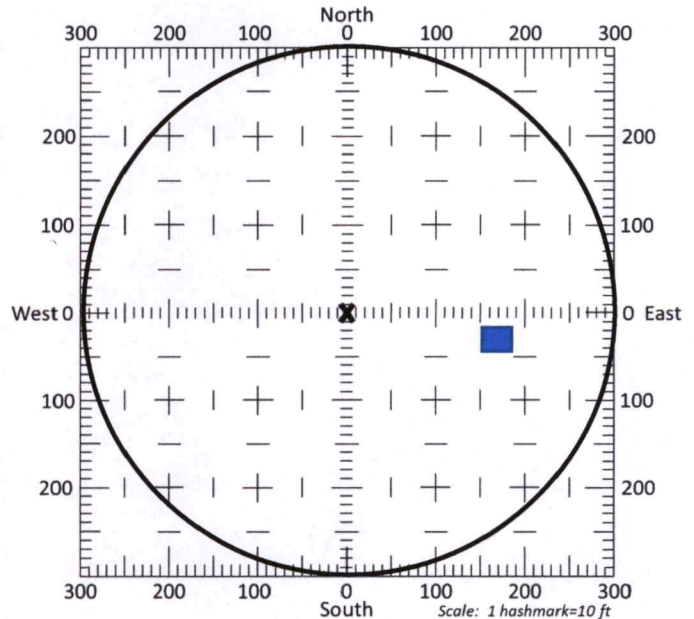
9. The change(s) (was)(will be) completed by?

10. If the point of diversion is a well:
 (a) What are you going to do with the old well?
To be plugged
 (b) When will this be done? _____

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by _____

13a. If the proposed point of diversion will be relocated more than 300 feet but within 2,640 feet of the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property lines



13b. If the proposed point of diversion will be relocated within a 300 foot radius of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion must be located within the circle shown above. **(PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)**

14. If the proposed groundwater point of diversion is 300 or fewer feet from the existing point of diversion, complete the following:
- (a) Does the undersigned represent all owners of the currently authorized place(s) of use identified in this application?
 Yes No (If no, all owners must sign this application.)
 - (b) Will the ownership interest of any owner of the currently authorized place(s) of use identified in this application be adversely affected if this application is approved as requested?
 Yes No (If yes, all owners must sign this application.)
 - (c) If this application is not approved expeditiously, will there be substantial damage to property, public health or safety?
 Yes No (If no, all owners must sign this application.)

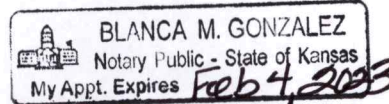
If the application proposes a surface water change in point of diversion, a groundwater change in point of diversion greater than 300 feet, or a change in place of use, the application must be signed by all owners of the currently authorized place of use, or their duly authorized agent (attach notarized statement authorizing representation).

I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regards to the water right(s) to which this application pertains. I further verify that the statements contained in this application are true, correct and complete.

Dated at Johnson, Kansas, this 30 day of November, 2022.

<u>[Signature]</u> (Owner)	_____ (Spouse)
<u>Keegan Nairn</u> (Please Print)	_____ (Please Print)
_____ (Owner)	_____ (Spouse)
_____ (Please Print)	_____ (Please Print)
_____ (Owner)	_____ (Spouse)
_____ (Please Print)	_____ (Please Print)

State of Kansas }
 County of Stanton } SS



I hereby certify that the foregoing application was signed in my presence and sworn to before me this 30th day of November, 2022.

[Signature]
 Notary Public

My Commission Expires Feb 4 2023

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To be complete, all of the applicable portions of the application form must be completed with accurate information; maps, if necessary, must be included; signatures of all the appropriate owners' must be affixed to the application and notarized; and the appropriate fee must be paid.

FEE SCHEDULE

Each application to change the place of use or the point of diversion under this section shall be accompanied by the application fee set forth in the schedule below: Make checks payable to: **Kansas Department of Agriculture**

- (1) Application to change a point of diversion 300 feet or less \$100
- (2) Application to change a point of diversion more than 300 feet \$200
- (3) Application to change the place of use \$200

SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

This Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-5-1, *et seq.* and other applicable provisions of the *Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq.*, and rules and regulations promulgated thereunder, With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 8,240.

1. A change application was received on December 5, 2022 requesting that the place of use and / or point of diversion authorized under the above-referenced file number be changed as described in the application.
2. On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on the topographic map accompanying the application to change the place of use. Applicable Not Applicable
3. The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a 50 foot radius of the authorized point(s) of diversion. Applicable Not Applicable
4. The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application. Applicable Not Applicable
5. The point(s) of diversion authorized herein shall not actually be located more than 300 feet from the previously authorized point(s) of diversion. Applicable Not Applicable
6. As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons per minute or more, a tube or other device suitable for making water level measurements shall be installed, operated and maintained in accordance with K.A.R. 5-6-13. Applicable Not Applicable
7. **The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 2023**, or before the first use of water, whichever occurs first. The water flow meter shall be installed, operated and maintained in accordance with K.A.R. 5-1-4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and K.A.R. 5-3-5e, the owner shall maintain records and report the reading of the water flow meter and the total quantity of water diverted annually to the Chief Engineer by March 1 following the end of each calendar year. Applicable Not Applicable
8. **Installation of the works for diversion of water shall be completed on or before December 31, 2023**, or within any authorized extension of time. By March 1, 2024 the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e. Applicable Not Applicable
9. **The completed well log shall be submitted with the required notice.** Applicable Not Applicable
10. All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. Applicable Not Applicable
11. Additional Conditions are attached. Yes No
12. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the *Kansas Water Appropriation Law* and the *Rules and Regulations* promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law.

Administrative Appeal and Effective Date of Order

If you are aggrieved by this order, pursuant to K.S.A. 82a-1901, you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. A request for hearing by the Chief Engineer must be filed within **15 days** of service of this Order and a request for administrative review by the Secretary must be filed within **30 days** pursuant to K.S.A. 77-531. Any request for administrative review must state a basis for review pursuant to K.S.A. 77-527. File any request with **Kansas Department of Agriculture, Legal Division, 1320 Research Park Drive, Manhattan, KS 66502**. Failure to timely request a hearing or review may preclude review under the Kansas Judicial Review Act.

For Use by Register of Deeds

FOR OFFICE USE ONLY
APPLICATION APPROVED AND SUMMARY ORDER ISSUED

By: Michael A. Meyer
Duly Authorized Designee of the Chief Engineer

(Print Name): MICHAEL A. MEYER
Division of Water Resources - Kansas Department of Agriculture

Date of Issuance: December 12, 2022

State of Kansas)

County of JENNISON) SS

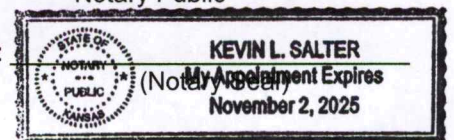
Acknowledged before me on 12 December 2022

by MICHAEL A. MEYER

Signature: [Signature]

Notary Public

My commission expires:



CORPORATE
75471 ROAD 435
LEXINGTON, NE 68850
308-324-2303

**Downey
Drilling Inc.**

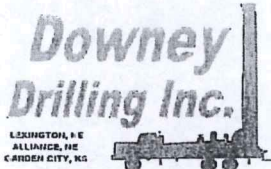


3210 ANTELOPE AVE. STE D
KEARNEY, NE 68847
308-237-9283

525 INDUSTRIAL DR
GARDEN CITY, KS 67846
620-277-7971

NAIRN FARMS
SW 6-29S-39W
STANTON CO, KS

WR #17102, #3351, #4814,
#8240



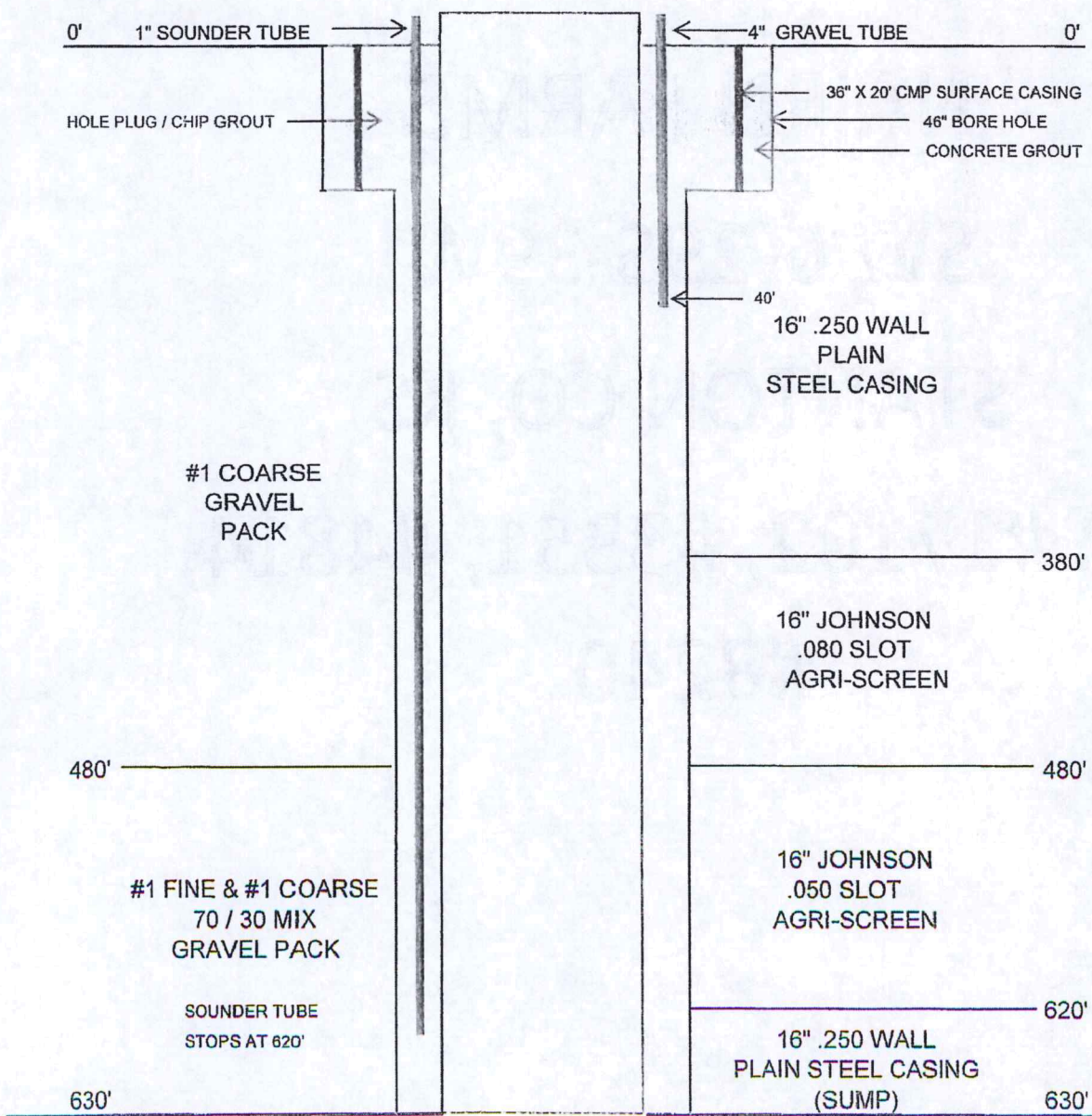
Well Design
& Construction
"PROPOSED"

Customer Name: NAIRN FARMS WR #17102, #3351, #4814, #8240
 Legal: SW 6-29S-39W County: STANTON
 G.P.S.: 37.55029 N Date: _____
101.6328 W WO #: _____

DRILLER: _____ WATER SUPPLY: IRRIGATION WELL
 HELPER(S): _____ DRILLING RIG: M-100
 BOREHOLE DIAMETER: 30" DRILLING METHOD: REVERSE CIRCULATION
 CASING DIAMETER: 16" QUIKGEL: TBD HOLE PLUG: 20'+
 TOTAL WELL DEPTH: 630' GRAVEL: 130 TON #1 COARSE & #1 C / #1 F 70/30
 DRILLING FLUID: TBD GRAVEL SUPPLIER: HUBER
 ADDITIONAL INFO: AT TEST HOLE #1 36" X 20' SURFACE CASING

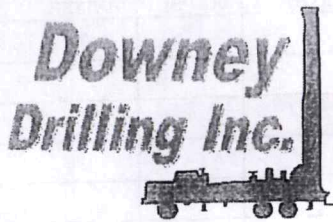
GROUT
AND
GRAVEL

SCREEN AND
CASING



WELL LOG

DATE 9/24/11



630

CUSTOMER NAME: NAIRN NAIRN FARMS

LEGAL: SW 6-29S-39W

COUNTY: STANTON CO, KS

GPS: 37.55029

-101.6328

DRILLER: DIEGO V

WO: 22-377

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	3	TOP SOIL	SOFT	DRK BROWN	FAST		SMOOTH
	3	8	BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	8	14	FINE SAND	SOFT		FAST		VIBRATION
	14	37	SANDY CLAY W/ BROWN CLAY	SOFT	TAN & BROWN	FAST		SMOOTH SMOOTH & VIBRATION
	37	60	SANDY CLAY W/ FINE SAND	SOFT	TAN	FAST		SMOOTH & VIBRATION
	60	68	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	68	75	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	75	87	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	87	93	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	93	106	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	106	124	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	124	128	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	128	136	FINE-MED-COARSE SAND W/ CEMENTED SAND TRACE	FIRM	BROWN	FAST		FAST CHATTER
	136	149	SANDY CLAY W/ FINE SAND	SOFT		FAST		SMOOTH & VIBRATION
	149	164	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	164	186	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	186	192	FINE-MED-COARSE SAND W/ CEMENTED SAND	STIFF	BROWN	SEMI SLOW		CHATTER SMOOTH & VIBRATION
	192	208	SANDY CLAY W/ FINE SAND	SOFT	BROWN	FAST		SMOOTH & VIBRATION
	208	212	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	212	246	BROWN CLAY W/ FINE SAND LAYERS	SOFT	BROWN	FAST		SMOOTH & VIBRATION
	246	286	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	286	302	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	302	410	FINE-MED-COARSE SAND W/ FINE GRAVEL & LIME ROCK	STIFF	WHITE	FAST		FAST CHATTER
Y	410	431	FINE-MED GRAVEL W/ LIME ROCK & BROWN ROCK	STIFF	WHITE & BROWN	SEMI SLOW		CHATTER
	431	437	HARD SPOT	HARD		SLOW		CHATTER
	437	445	FINE-MED-COARSE SAND W/ BROWN SILTY CLAY	FIRM	BROWN	FAST		CHOPPY & SMOOTH
X	445	477	FINE SAND W/ BROWN ROCK & SANDSTONE	STIFF	BROWN & YELLOW	FAST		FAST CHATTER
	477	485	RED CLAY	SOFT	RED	SLOW		CHOPPY VIBRATION & CHOPPY
	485	490	YELLOW SOAPSTONE W/ SANDSTONE & FINE SAND	STIFF	YELLOW	FAST		CHOPPY
X	490	510	FINE SAND W/ SANDSTONE & BROWN ROCK	STIFF	YELLOW & BROWN	FAST		FAST CHATTER
	510	516	FINE SAND W/ SANDSTONE / BROWN ROCK & RED CLAY	STIFF	YELLOW, BROWN & RED	FAST		FAST CHATTER
	516	555	FINE SAND W/ SANDSTONE / BROWN ROCK / & YELLOW SOAPSTONE	STIFF	YELLOW & BROWN	FAST		FAST CHATTER
	555	575	FINE SAND W/ SANDSTONE / BROWN ROCK & BROWN SILTY CLAY	FIRM	YELLOW & BROWN	FAST		CHOPPY
	575	593	BROWN SILTY CLAY W/ BROWN & ROCK SANDSTONE TRACE	SOFT	BROWN & YELLOW	FAST		SMOOTH & VIBRATION
	593	608	BROWN ROCK W/ SANDSTONE & FINE SAND	STIFF	BROWN, YELLOW & WHITE	FAST		FAST CHATTER

SMOOTH
400'
STATIC

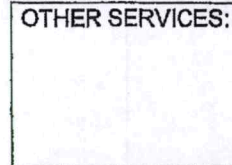


Century GEOPHYSICAL CORP.

NAIRN NAIRN FARMS

COMPANY : DOWNEY DRILLING INC
WELL : NAIRN NAIRN FARM
LOCATION/FIELD : TH#1
COUNTY : STANTON C
LOCATION : SW
SECTION : 6

OTHER SERVICES:



TOWNSHIP : 29S RANGE : 39W

DATE : 09/15/22
DEPTH DRILLER : 620
LOG BOTTOM : 620.30
LOG TOP : 0.90

PERMANENT DATUM : GL

KB :
DF :
GL :

LOG MEASURED FROM: GL

DRL MEASURED FROM: GL

CASING DIAMETER : 10.
CASING TYPE :
CASING THICKNESS:

LOGGING UNIT : 1903
FIELD OFFICE : DDI
RECORDED BY : DIEGO

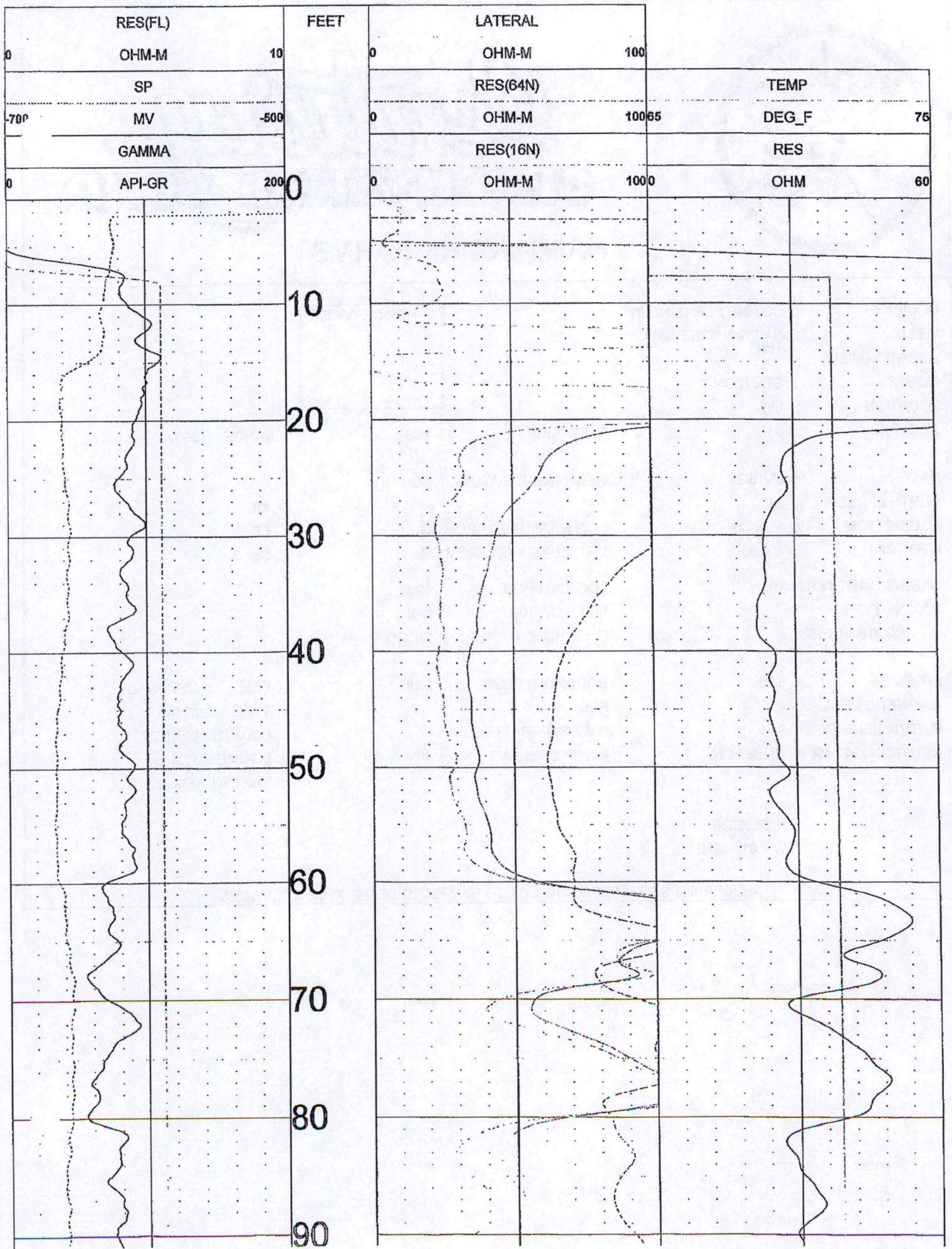
BIT SIZE : 6.25
MAGNETIC DECL. : 0
MATRIX DENSITY : 2.71
NEUTRON MATRIX : LIMESTON

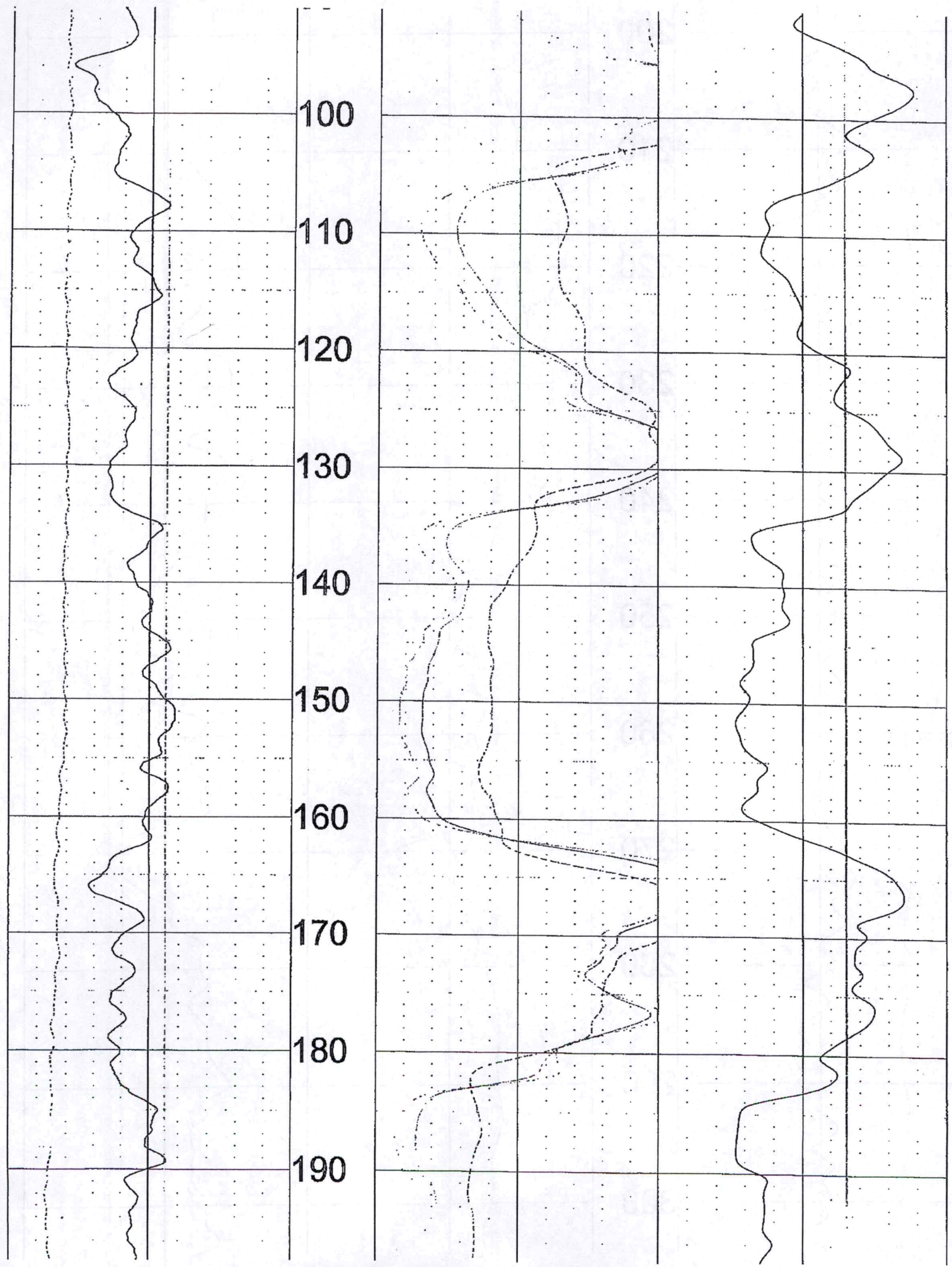
BOREHOLE FLUID : MUD
RM :
RM TEMPERATURE :
MATRIX DELTA T : 49

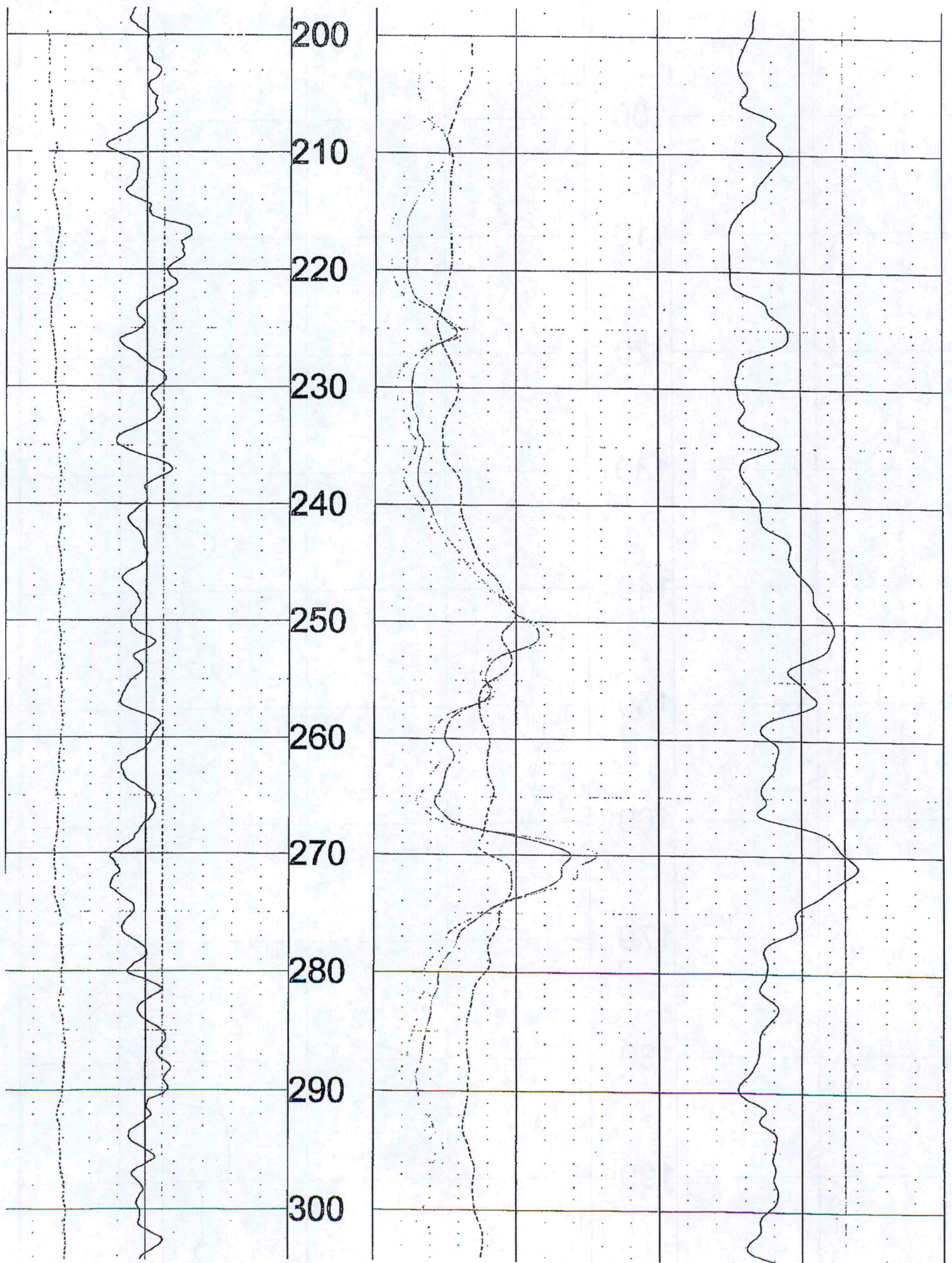
FILE : ORIGINAL
TYPE : 8144A
LGDATE: 09/15/22
LGTIME : 17:43:
THRESH: 99999

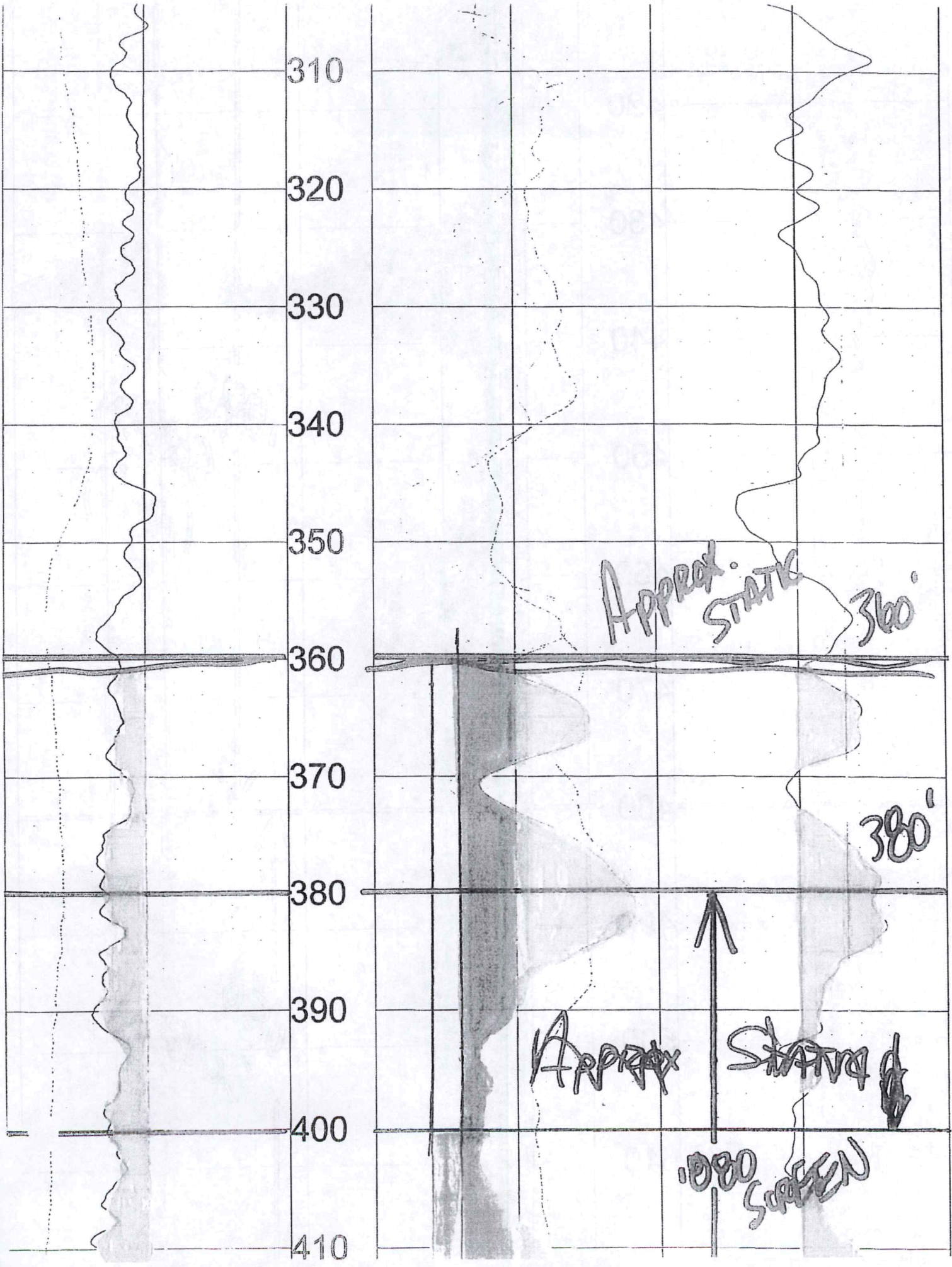
N 37.55029
W -101.63280

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS









310
320
330
340
350
360
370
380
390
400
410

Approx. Static 360'

380'

Approx. Static 380'

1000 SCREEN

420

430

440

450

460

470

480

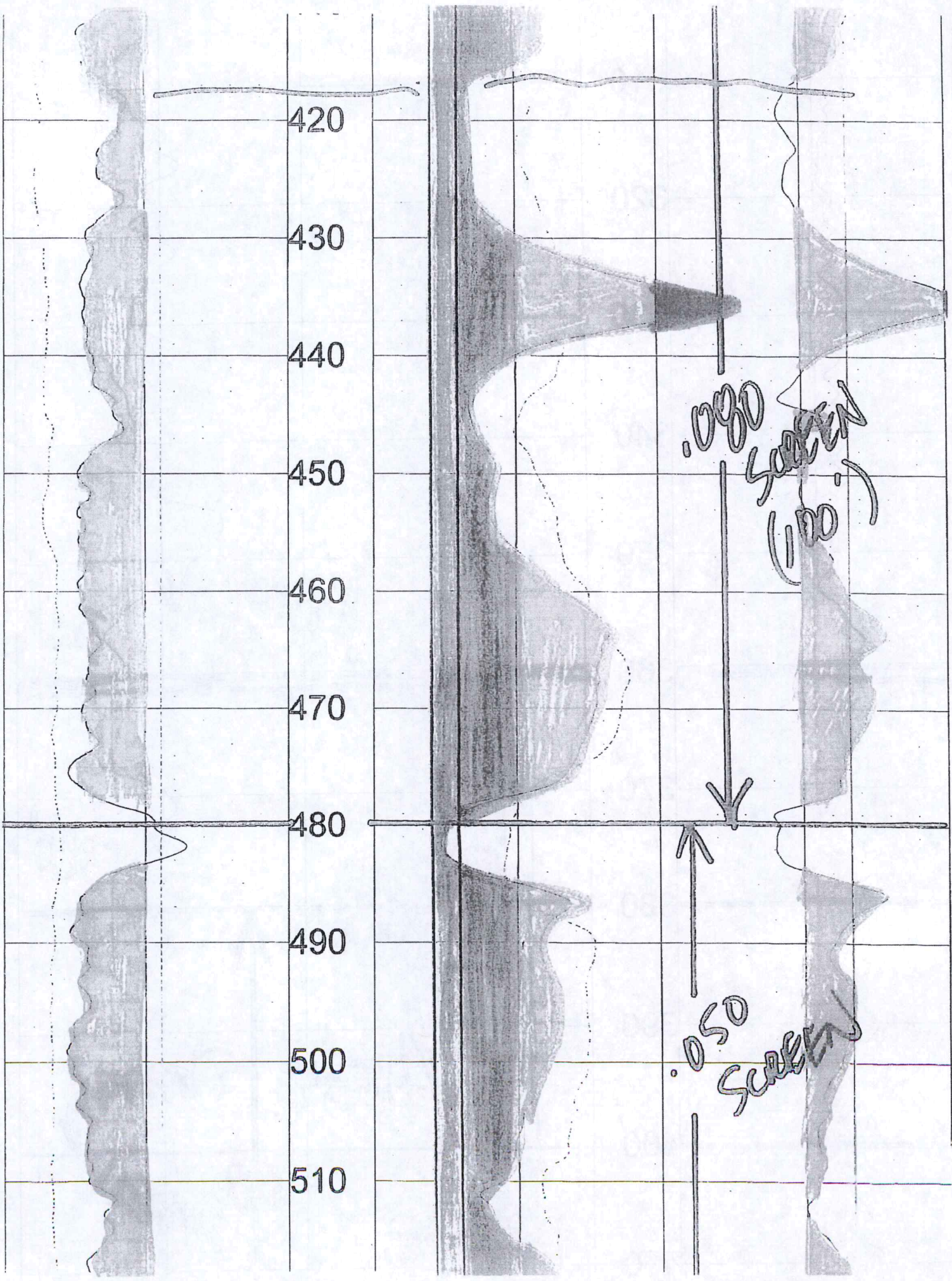
490

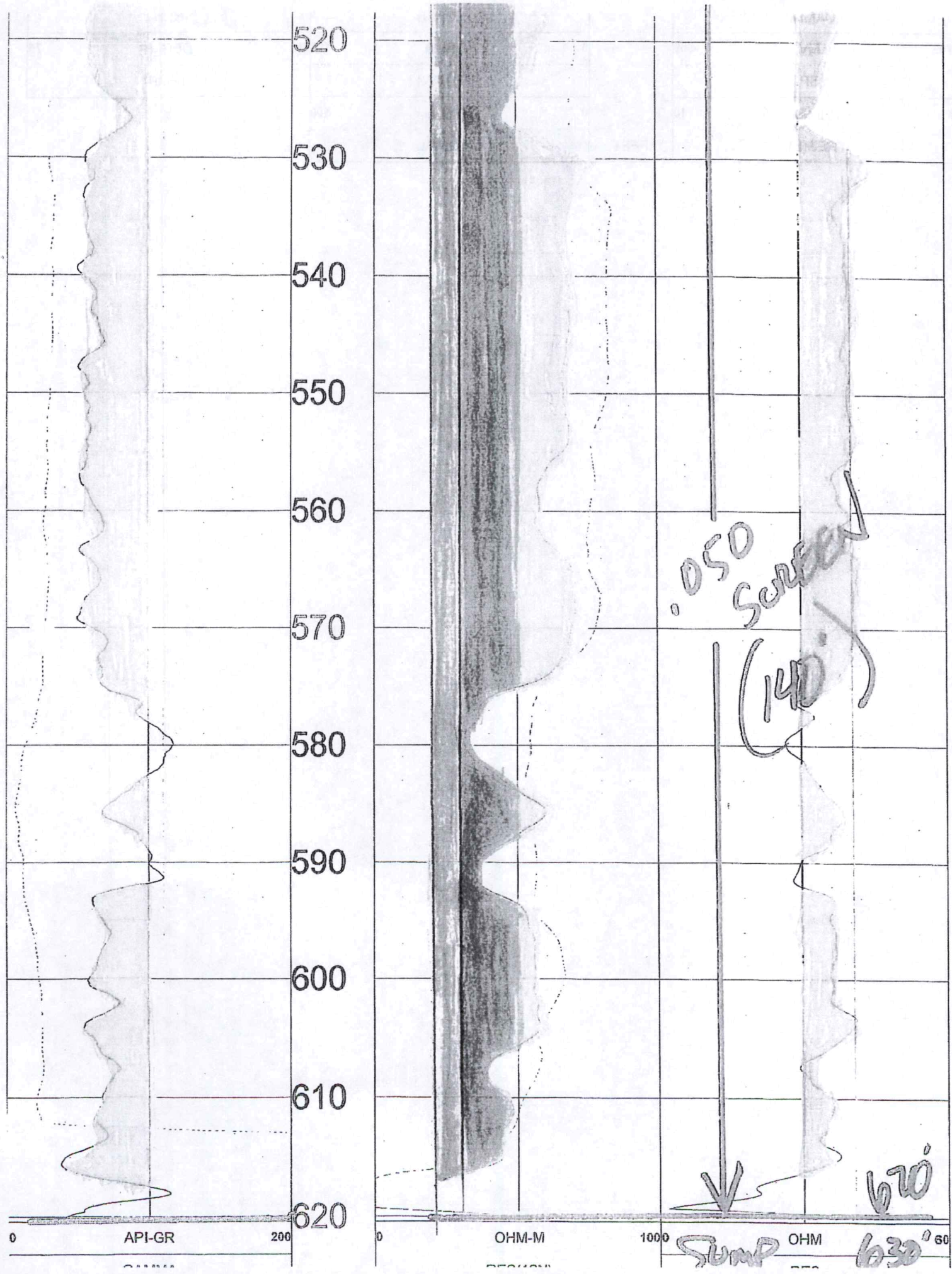
500

510

.080
SCREEN
(100)

.050
SCREEN





GAMMA			RES(16N)			RES		
-700	MV	-500	0	OHM-M	10065	DEG_F		75
	SP			RES(64N)		TEMP		
0	OHM-M	10	0	OHM-M	100			
	RES(FL)		FEET	LATERAL				

TOOL CALIBRATION NAIRN NAIRN FARMS 09/15/22 17:43

TOOL 8144A TM VERSION 1

SERIAL NUMBER 365

	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Feb08,18	07:51:35	GAMMA	1.000 [API-GR]	4.000 [CPS]
	Feb08,18	07:51:35	GAMMA	340.000 [API-GR]	290.000 [CPS]
2	Jul12,17	13:24:17	RES(FL)	1.330 [OHM-M]	7595.000 [CPS]
	Jul12,17	13:24:17	RES(FL)	42.700 [OHM-M]	64820.000 [CPS]
3	Jan14,22	08:32:51	SP	0.000 [MV]	327768.000 [CPS]
	Jan14,22	08:32:51	SP	381.500 [MV]	164650.000 [CPS]
4	Jan14,22	08:33:01	RES(16N)	0.000 [OHM-M]	3453.000 [CPS]
	Jan14,22	08:33:01	RES(16N)	1951.500 [OHM-M]	448089.000 [CPS]
5	Jan14,22	08:33:10	RES(64N)	0.000 [OHM-M]	3163.000 [CPS]
	Jan14,22	08:33:10	RES(64N)	1994.000 [OHM-M]	449170.000 [CPS]
6	Jul12,17	13:17:49	TEMP	33.400 [DEG_F]	66910.000 [CPS]
	Jul12,17	13:17:49	TEMP	102.200 [DEG_F]	270930.000 [CPS]
7	Jan14,22	08:33:36	RES	0.000 [OHM]	21285.000 [CPS]
	Jan14,22	08:33:36	RES	944.000 [OHM]	190148.000 [CPS]