

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

1. File Number: <b>3312</b>	2. Status Change Date: <u>12-12-2022</u>	3. Change Num: <b>C1</b>	4. Field Office: <b>4</b>	5. GMD: <b>3</b>
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: <b>12/5/2022</b>
8a. Landowner, applicant, WUC New to system <input type="checkbox"/>  <b>NAIRN &amp; NAIRN FARMS Attn: KEEGAN NAIRN PO BOX 493 JOHNSON, KS 67855</b>		Person ID <u>51074</u> Add Seq# _____	8c. Landowner(s) New to system <input type="checkbox"/>  Person _____ Add Seq# _____	
8b. Landowner(s), New to system <input type="checkbox"/>		Person ID <u>39063</u> Add Seq# _____	8d. WUC New to system <input type="checkbox"/>  Person ID _____ Add Seq# _____	
9. Documents and Enclosure(s): <input checked="" type="checkbox"/> DWR Meter(s) Date to Comply: <u>12/31/2023</u> <input checked="" type="checkbox"/> N & P Date to Comply: <u>3/1/2024</u>				
<input type="checkbox"/> Anti-Reverse Meter <input type="checkbox"/> Meter Seal <input checked="" type="checkbox"/> Check Valve <input checked="" type="checkbox"/> N & P Form <input checked="" type="checkbox"/> Water Tube <input checked="" type="checkbox"/> Driller Copy <input type="checkbox"/> H & E Letter <input type="checkbox"/> Conservation Plan    Date Required: _____    Date Approved: _____    Date to Comply: _____				
10. Use Made of Water    From: _____    To: _____				
Date Prepared: <b>12/12/2022</b> By: <b>MAM</b> Date Entered: _____    By: _____				

File No. 3312      11. County: ST      Basin: CIMARRON RIVER      Stream:      Formation Code: 211/331      Special Use:

12. Points of Diversion										Rate and Quantity						
CHK	MOD	DEL	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files

**DEL 784**

<b>ENT</b>	<b>SWSWSW</b>	<b>1</b>	<b>29</b>	<b>40W</b>					<b>438</b>	<b>5076</b>		<b>1825</b>	<b>647</b>	<b>1825</b>	<b>647</b>	<b>NONE</b>
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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				
<b>CHK 28531</b>																									
<b>CHK 40063</b>																									

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 13<sup>th</sup> 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 12<sup>th</sup> 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

A handwritten signature in blue ink that reads "Aaron Holsted". The signature is written in a cursive style and is positioned above a horizontal line.

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**  
 8:05 am  
 DEC 05 2022

\_\_\_\_\_   
 File No. 3312

1. Application is hereby made for approval of the Chief Engineer to change the (check one or both): Garden City Field Office  
Division of Water Resources

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

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 \$ 100.00 TR # \_\_\_\_\_ Receipt Date 12-5-22 Check # 001559**

5. **Presently authorized point of diversion:**  
 One in the SW Quarter of the SW Quarter of the SW Quarter of Section 1, Township 29 South, Range 40 W, in STANTON County, Kansas, 412 feet North 5200 feet West of Southeast corner of section. Authorized Rate 1825 GPM Authorized Quantity 647 AF Depth of well 750 (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 SW Quarter of the SW Quarter of the SW Quarter of Section 1, Township 29 South, Range 40 W, in STANTON County, Kansas, 438 feet North 5076 feet West of Southeast corner of section. Proposed Rate          Proposed Quantity          Proposed well depth (feet) 580  
 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          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 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 well

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

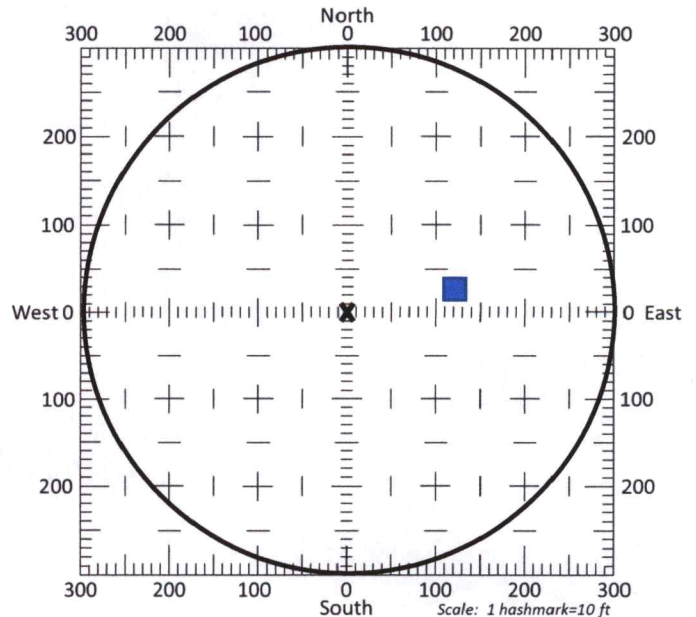
9. The change(s) (was)(will be) completed by?  
        

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.)

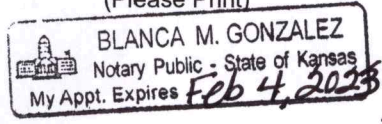
If the application proposes a surface water change in point of diversion, a groundwater change in point of diversion greater than 300 feet, or a change in place of use, the application must be signed by all owners of the currently authorized place of use, or their duly authorized agent (attach notarized 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 Sohsen, 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 30 day of November, 2022.

My Commission Expires Feb 4, 2023

[Signature]  
 Notary Public

**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. 3,312.

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: [Signature]  
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 FINNEY ) SS

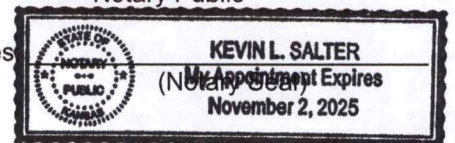
Acknowledged before me on 12 December 2022

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

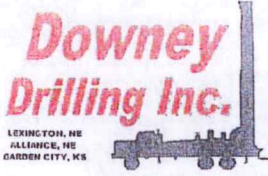
525 INDUSTRIAL DR  
GARDEN CITY, KS 67846  
620-277-7971

NAIRN & NAIRN FARMS

SW/SW 1-29S-40W

STANTON CO, KS

WR #3312 & #19790



Well Design  
& Construction  
"PROPOSED"

Customer Name: NAIRN & NAIRN FARMS

Legal: SW 1-29S-40W

County: STANTON

G.P.S.: 37.54924 N

Date: \_\_\_\_\_

101.652524W

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: 625'

GRAVEL: 130 TON #1 COARSE & #1 C / #1 F 70/30

DRILLING FLUID: TBD

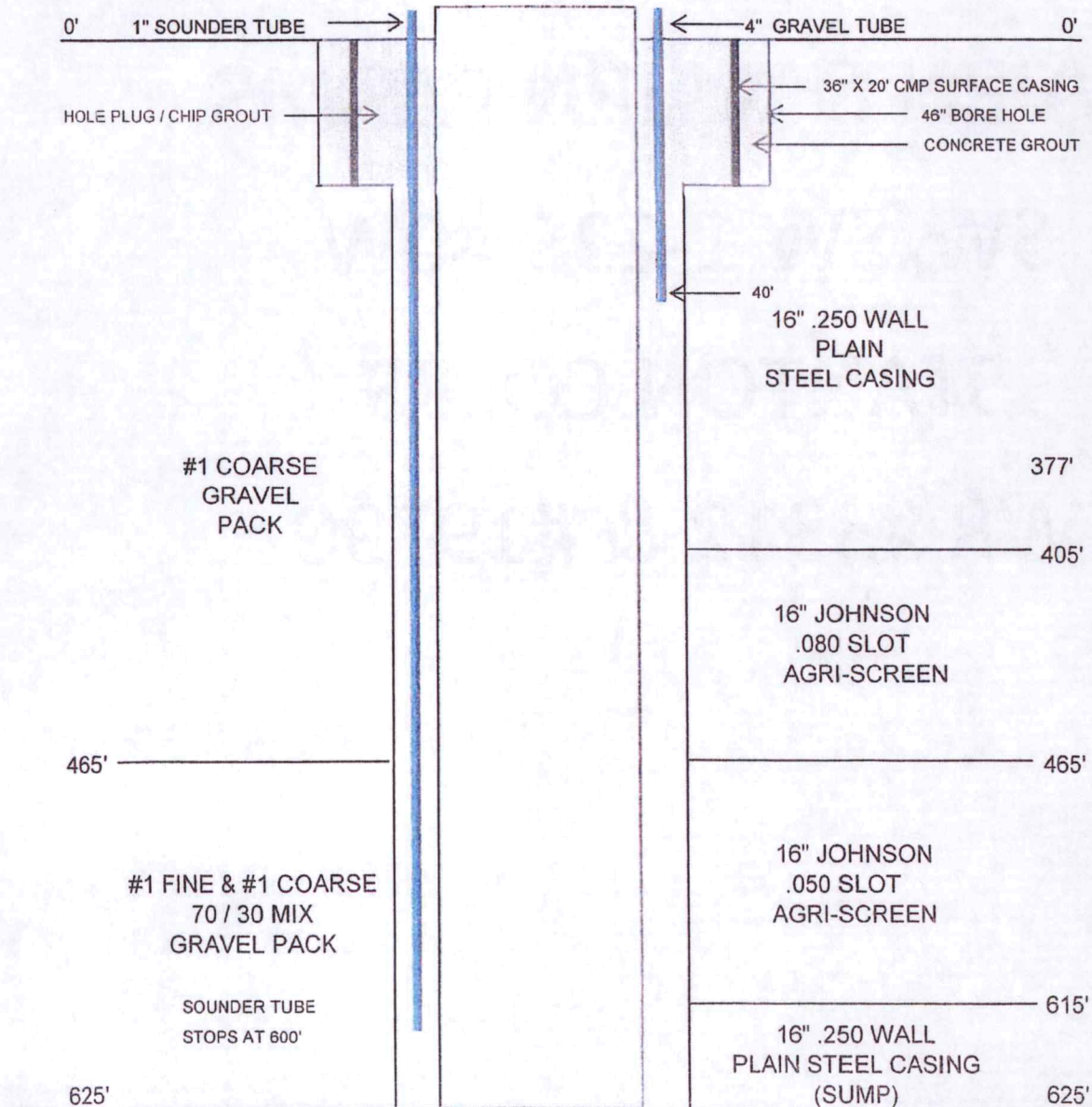
GRAVEL SUPPLIER: HUBER

ADDITIONAL INFO: AT TEST HOLE #1

36" X 20' SURFACE CASING

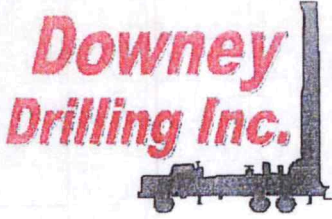
GROUT  
AND  
GRAVEL

SCREEN AND  
CASING



# WELL LOG

DATE: 3-9-2022



*BEST*  
*425'*

CUSTOMER NAME: NAIRN NAIRN FARMS

TH#1

LEGAL: SW 1-29S-40W

WP #3312 & #10790

COUNTY: STANTON CO. KS

GPS: 37.54924

101.652524

DRILLER: DIEGO V

WO: 22-378

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	4	TOP SOIL	SOFT	DRK BROWN	FAST		SMOOTH
	4	10	BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	10	39	SANDY CLAY W/ CALICHE	FIRM	TAN & WHITE	FAST		SMOOTH & CHOPPY
	39	55	SANDY CLAY W/ FINE SAND & CALICHE	FIRM	TAN & WHITE	FAST		SMOOTH & CHOPPY
	55	61	CEMENTED SAND	HARD	WHITE	SEMI SLOW		CHOPPY
	61	70	SANDY CLAY W/ CEMENTED SAND	STIFF	TAN & WHITE	SEMI SLOW		SMOOTH & CHOPPY
	70	76	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	76	92	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	92	99	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	99	112	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
	112	117	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	117	125	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	125	139	SANDY CLAY W/ BROWN STICKY CLAY	LITTLE STICKY	TAN & WHITE	FAST		SMOOTH
	139	143	FINE SAND	STIFF		SLOW		VIBRATION
	3	163	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	163	168	SANDY CLAY W/ FINE SAND	SOFT	TAN	FAST		SMOOTH & VIBRATION
	168	195	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	195	204	FINE SAND	SOFT		FAST		VIBRATION
	204	219	FINE-MED SAND W/ BROWN CLAY LAYERS	SOFT	BROWN	FAST		CHOPPY & SMOOTH
	219	240	FINE-MED-COARSE SAND W/ BROWN CLAY LEDGES	FIRM	BROWN	FAST		CHOPPY & SMOOTH
	240	250	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	250	299	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
	299	300	HARD SPOT	HARD		SLOW	X	CHATTER
	300	303	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	303	306	CEMENTED SAND	HARD	WHITE	SLOW	X	CHATTER
	306	316	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	316	325	SANDY CLAY W/ BROWN SILTY CLAY	SOFT	TAN & BROWN	SEMI SLOW		SMOOTH
	325	340	FINE-MED-COARSE SAND W/ LIME ROCK TRACE	STIFF	WHITE	FAST		FAST CHATTER
	340	369	FINE-MED-COARSE SAND W/ LIME ROCK	FIRM	WHITE	FAST		FAST CHATTER
	369	378	BROWN CLAY W/ SANDY CLAY	SOFT	BROWN & TAN	FAST		SMOOTH
	378	387	FINE-MED SAND	SOFT		FAST		CHOPPY
	387	395	BROWN CLAY W/ SOAPSTONE	SOFT	BROWN & YELLOW	SEMI SLOW		SMOOTH & VIBRATION
	395	419	FINE-MED-COARSE SAND W/ BROWN ROCK & LIME ROCK	STIFF	BROWN & WHITE	FAST		FAST CHATTER
	1	435	BROWN SILTY CLAY W/ FINE-MED SAND	SOFT	BROWN	SEMI SLOW		SMOOTH & CHOPPY
	435	481	SANDSTONE W/ FINE-MED-COARSE SAND & BROWN ROCK	STIFF	TAN & BROWN	FAST		FAST CHATTER

*APPROX*  
*STATIC*  
*400'*  
↓





# Century GEOPHYSICAL CORP.

## NAIRN NAIRN FARMS

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

OTHER SERVICES:

TOWNSHIP : 29S RANGE : 40W

DATE : 09/09/22  
DEPTH DRILLER : 580  
LOG BOTTOM : 579.20  
LOG TOP : 1.00

PERMANENT DATUM : GL

KB :  
DF :  
GL :

CASING DIAMETER : 10.  
CASING TYPE :  
CASING THICKNESS:

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

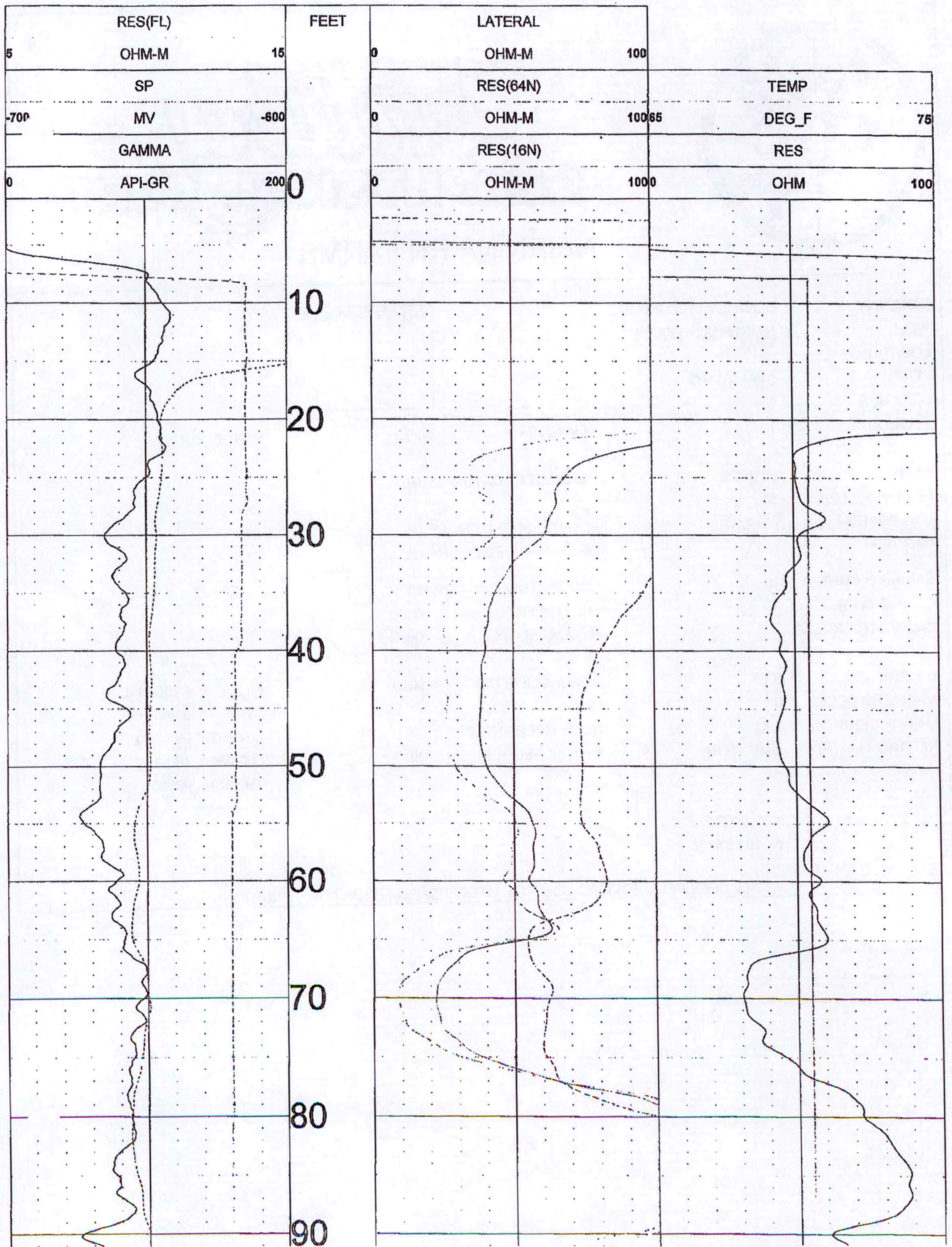
BIT SIZE : 6.25  
MAGNETIC DECL. : 0  
MATRIX DENSITY : 2.71  
NEUTRON MATRIX : LIMESTON

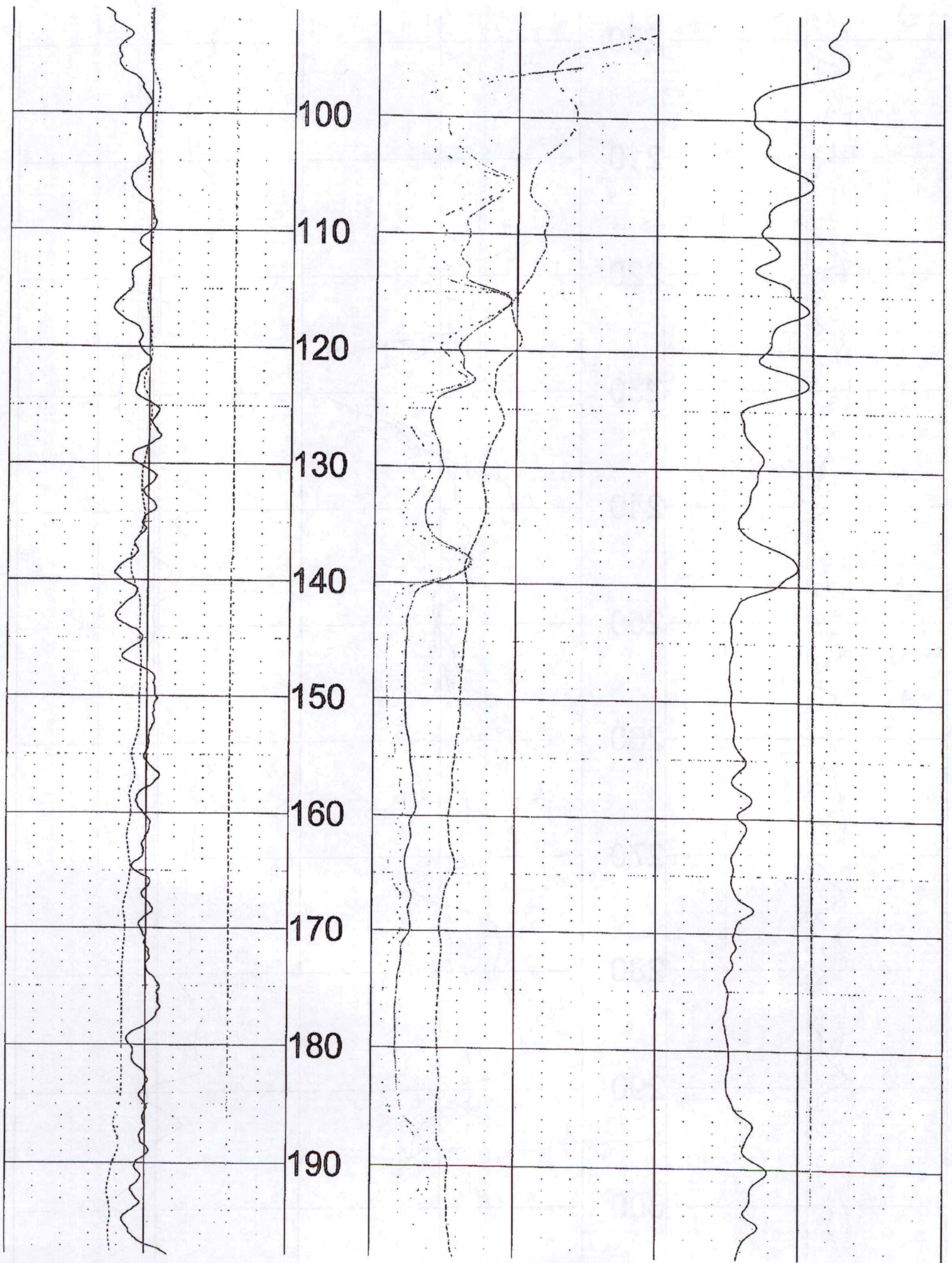
BOREHOLE FLUID : MUD  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 49

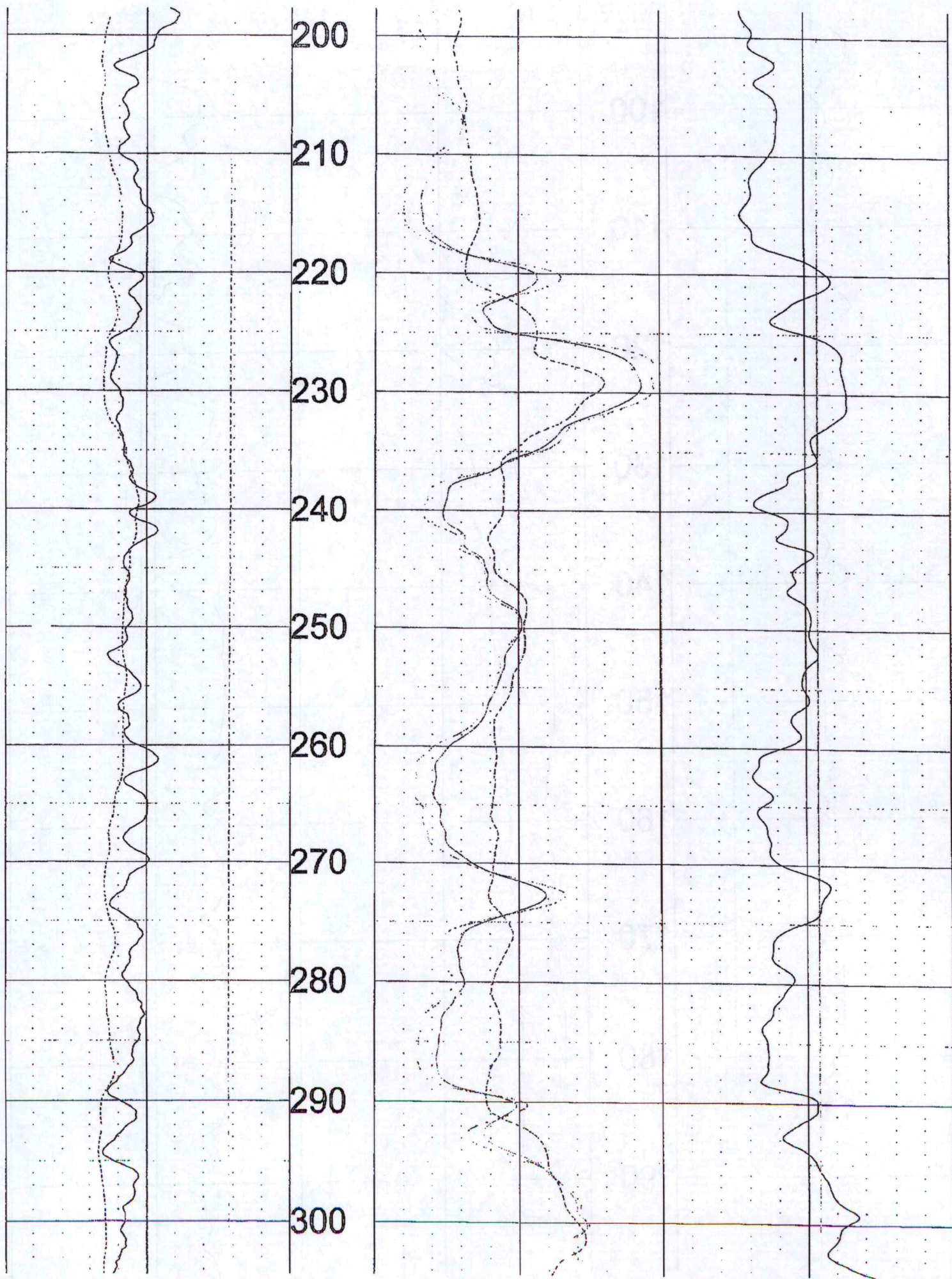
FILE : ORIGINAL  
TYPE : 8144A  
LGDATE: 09/09/22  
LGTIME : 16:50:  
THRESH: 99999

N 37.54924  
W -101.65252

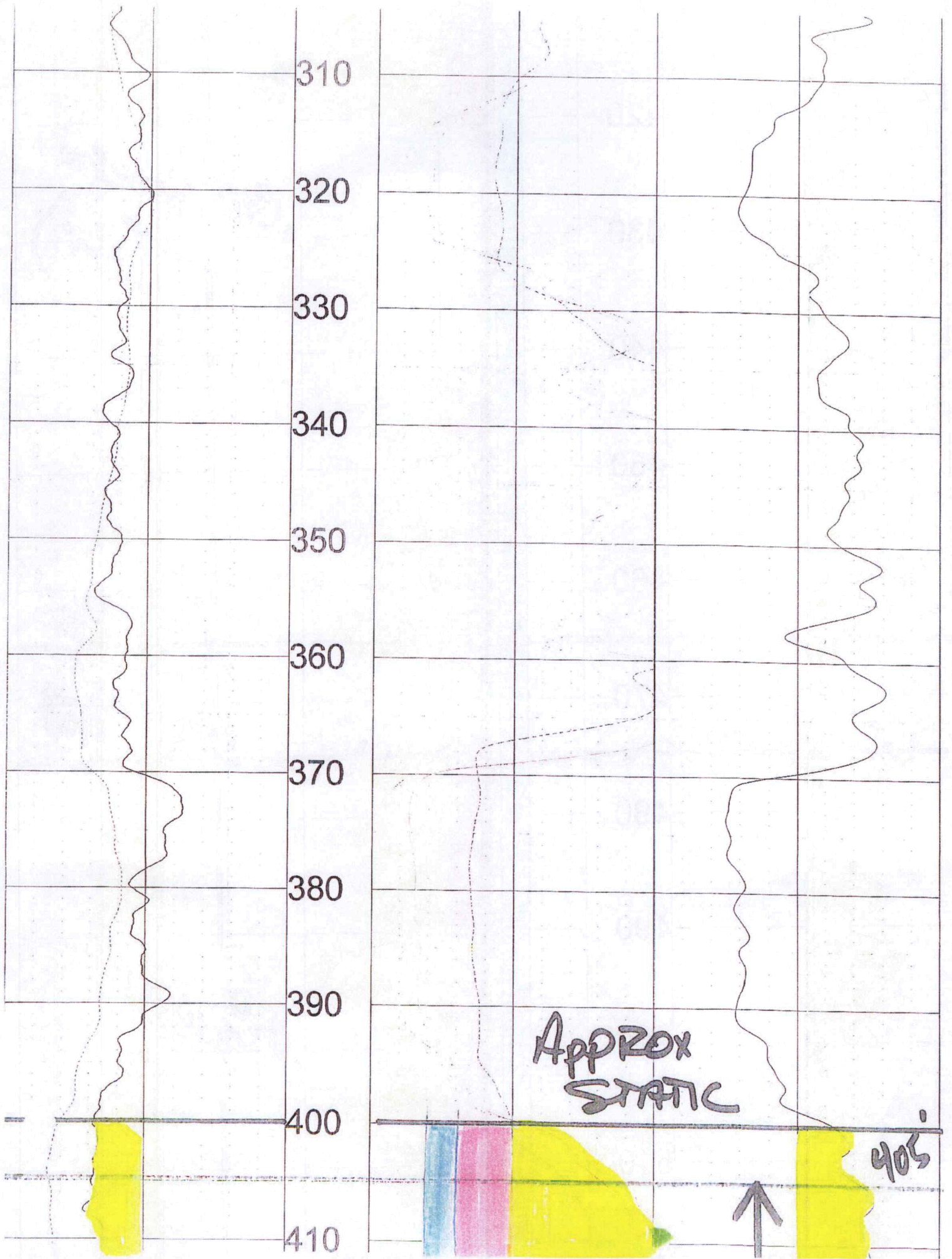
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

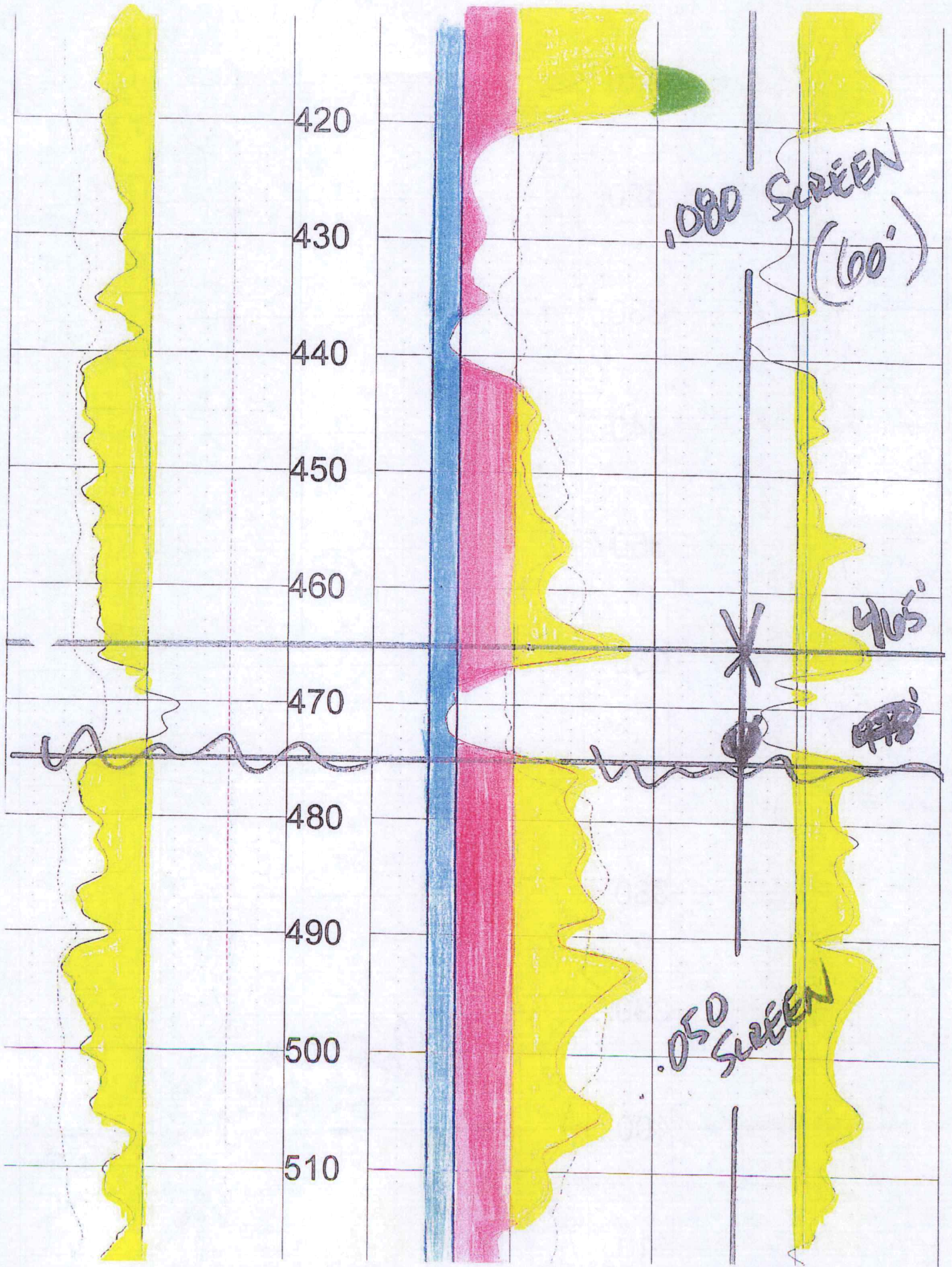












420

430

440

450

460

470

480

490

500

510

1080 SCREEN  
(600')

410'

.050 SCREEN

No Gamma  
Logs

No Gamma  
LOG

520  
530  
540  
550  
560  
570  
580  
590  
600  
610  
620

SANDSTONE  
BROWN  
ROCK

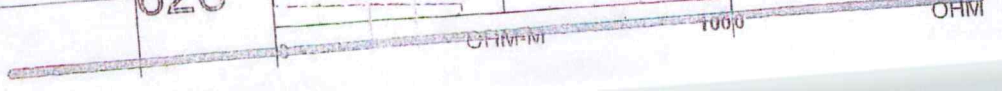
RED  
&  
GREEN  
CLAY  
LAYERS

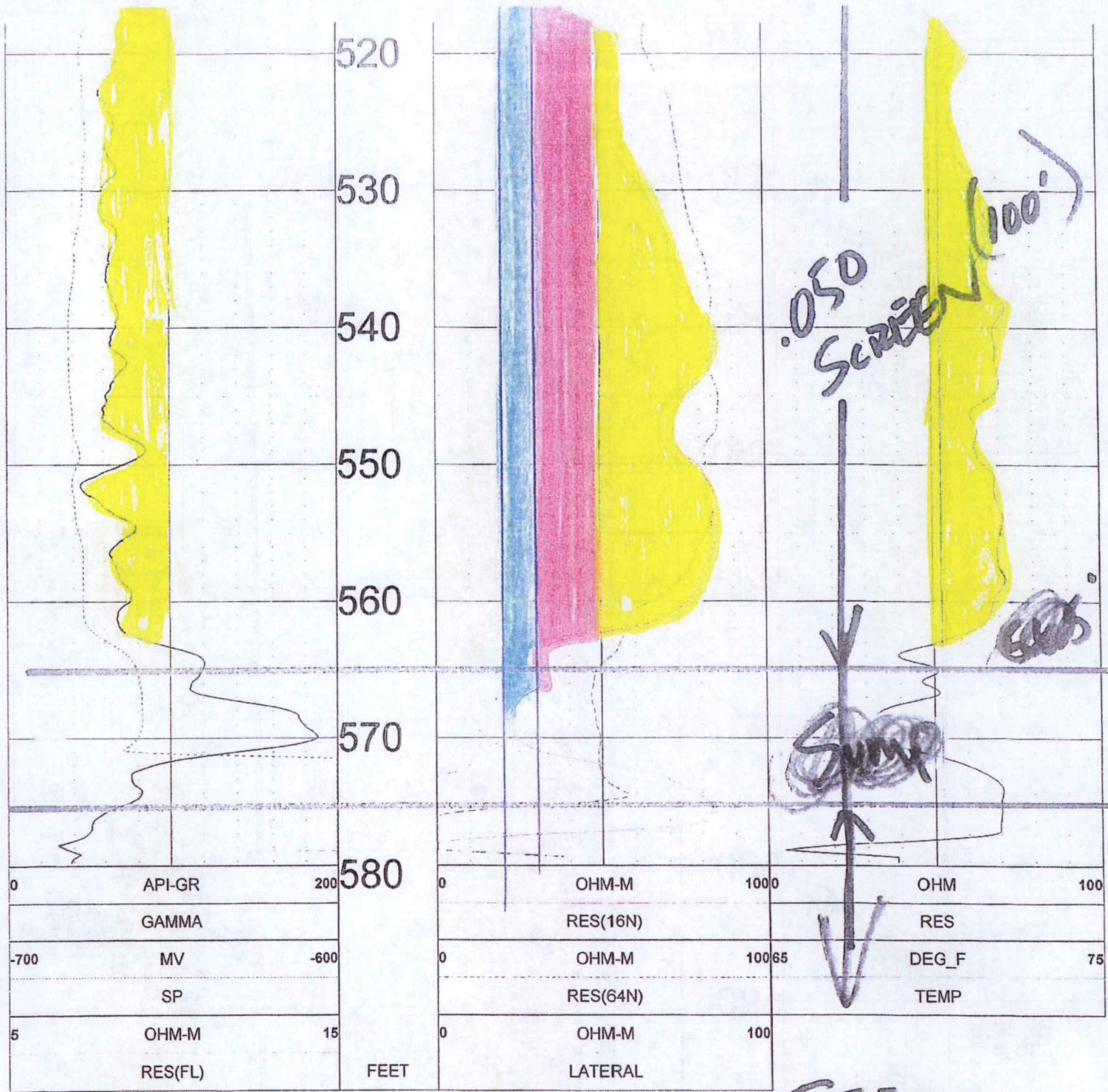
SANDSTONE  
0.50  
SCREEN

RED  
BED

↓  
615  
Sump

625





SEE  
NEXT  
PAGE

TOOL CALIBRATION NAIRN NAIRN FARMS 09/09/22 16:50

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]