

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

1. File Number: <b>23454-D1</b>	2. Status Change Date:	3. Change Num: <b>C3</b>	4. Field Office: <b>4</b>	5. GMD: <b>3</b>
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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: <b>8/15/2023</b>
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8a. Applicant(s) New to system <input type="checkbox"/>  <b>WILLIAM FRIESEN                  PO BOX V                  LAKIN, KS 67860</b>	Person ID <b>68662</b> Add Seq# _____	8c. Landowner(s) New to system <input type="checkbox"/>  	Person ID _____ Add Seq# _____
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8b. Landowner(s) New to system <input type="checkbox"/>  <b>8a</b>	Person ID _____ Add Seq# _____	8d. WUC New to system <input type="checkbox"/>  <b>8a</b>	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: **8/22/2023**    By: **AM**  
 Date Entered: \_\_\_\_\_    By: \_\_\_\_\_

File No. **23454-D1**      11. County: **KE**      Basin: **ARKANSAS 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 1822**

**ENT**      **NW SE NE**      **23 25S 35W**      **3684 1199**      **810 262**      **810 262**      **NONE**

**CHK 78525**      **NW SE NW**      **23 25S 35W 5**      **3775 3755**      **860 277**      **860 277**      **NONE**

13. Storage: Rate \_\_\_\_\_ NF      Quantity \_\_\_\_\_ ac/ft      Additional Rate \_\_\_\_\_ NF      Additional Quantity \_\_\_\_\_ ac/ft

14. Limitation: \_\_\_\_\_ af/yr 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 199</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

August 22, 2023

WILLIAM FRIESEN  
PO BOX V  
LAKIN, KS 67860

RE: Filed Office Application for Change  
Water Right, File No. 23454-D1

Dear Sir or Madam:

Enclosed is the order 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 number.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this approval for change. A condition of this approval 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 document referred to above, it 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,

A handwritten signature in blue ink that reads "Austin J. McColloch".

Austin J. McColloch  
Assistant Water Commissioner

AM:  
enclosures

pc:

**CERTIFICATE OF SERVICE**

On this 22<sup>nd</sup> day of August, 2023, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 23,454-D1 dated 22<sup>nd</sup> day of August, 2023 was mailed postage prepaid, first class, US mail to the following:

WILLIAM FRIESEN  
PO BOX V  
LAKIN, KS 67860

Pc:

  
\_\_\_\_\_  
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**  
 1:00 pm  
 AUG 15 2023

File No. 23454-D1

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: William and Maria Friesen  
PO Box V, Lakin, KS 67860  
 Phone Number: (    )                      Email address: \_\_\_\_\_  
 Name and address of Water Use Correspondent: Same as above  
 Phone Number: (    )                      Email address: \_\_\_\_\_

3. The presently authorized place of use is:  
 Owner of Land --- NAME: \_\_\_\_\_  
 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: \_\_\_\_\_  
 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 8-15-23 Check # 1131

5. **Presently authorized point of diversion:**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ NC \_\_\_\_\_ Quarter of the \_\_\_\_\_ NE \_\_\_\_\_ Quarter  
 of Section \_\_\_\_\_ 23 \_\_\_\_\_, Township \_\_\_\_\_ 25 \_\_\_\_\_ South, Range \_\_\_\_\_ 35 \_\_\_\_\_ West,  
 in Kearny \_\_\_\_\_ County, Kansas, \_\_\_\_\_ 3960 \_\_\_\_\_ feet North \_\_\_\_\_ 1320 \_\_\_\_\_ feet West of Southeast corner of section.  
 Authorized Rate \_\_\_\_\_ 810 GPM \_\_\_\_\_ Authorized Quantity \_\_\_\_\_ 262 AF \_\_\_\_\_ Depth of well \_\_\_\_\_ (feet)  
**(DWR use only: Computer ID No. 4 \_\_\_\_\_ 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 \_\_\_\_\_ NW \_\_\_\_\_ Quarter of the \_\_\_\_\_ SE \_\_\_\_\_ Quarter of the \_\_\_\_\_ NE \_\_\_\_\_ Quarter  
 of Section \_\_\_\_\_ 23 \_\_\_\_\_, Township \_\_\_\_\_ 25 \_\_\_\_\_ South, Range \_\_\_\_\_ 35 \_\_\_\_\_ West,  
 in Kearny \_\_\_\_\_ County, Kansas, \_\_\_\_\_ 3684 \_\_\_\_\_ feet North \_\_\_\_\_ 1199 \_\_\_\_\_ feet West of Southeast corner of section.  
 Proposed Rate \_\_\_\_\_ no change \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ no change \_\_\_\_\_ Proposed well depth (feet) \_\_\_\_\_ 620 \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point N/A

6. **Presently authorized point of diversion:**  
 One in the \_\_\_\_\_ NW \_\_\_\_\_ Quarter of the \_\_\_\_\_ SE \_\_\_\_\_ Quarter of the \_\_\_\_\_ NW \_\_\_\_\_ Quarter  
 of Section \_\_\_\_\_ 23 \_\_\_\_\_, Township \_\_\_\_\_ 25 \_\_\_\_\_ South, Range \_\_\_\_\_ 35 \_\_\_\_\_ West,  
 in Kearny \_\_\_\_\_ County, Kansas, \_\_\_\_\_ 3775 \_\_\_\_\_ feet North \_\_\_\_\_ 3755 \_\_\_\_\_ feet West of Southeast corner of section.  
 Authorized Rate \_\_\_\_\_ 860 GPM \_\_\_\_\_ Authorized Quantity \_\_\_\_\_ 277 AF \_\_\_\_\_ Depth of well \_\_\_\_\_ (feet)  
**(DWR use only: Computer ID No. 5 \_\_\_\_\_ GPS \_\_\_\_\_ 3765 \_\_\_\_\_ feet North \_\_\_\_\_ 3563 \_\_\_\_\_ 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 \_\_\_\_\_ (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) \_\_\_\_\_  
 \_\_\_\_\_

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

9. The change(s) (was)(will be) completed by?  
 \_\_\_\_\_  
As soon as possible

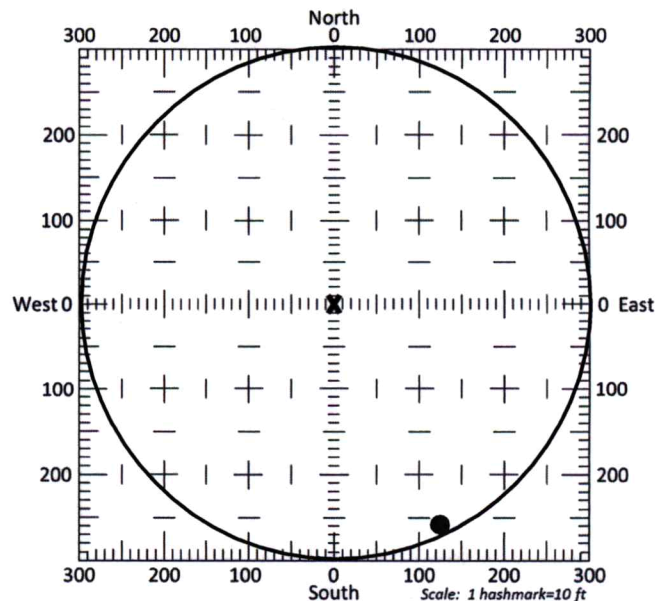
10. If the point of diversion is a well:  
 (a) What are you going to do with the old well?  
 \_\_\_\_\_  
plug

(b) When will this be done? As soon as possible

11. Groundwater Management District recommendation attached?  
 Yes  No

12. Assisted by CI, GCFO

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 Kearney County, Kansas, this 9 day of August, 2023.

Moena Louise Fritzen  
(Owner)

\_\_\_\_\_  
(Spouse)

Maria Louise Fritzen  
(Please Print)

\_\_\_\_\_  
(Please Print)

\_\_\_\_\_  
(Owner)

\_\_\_\_\_  
(Spouse)

\_\_\_\_\_  
(Please Print)

\_\_\_\_\_  
(Please Print)

\_\_\_\_\_  
(Owner)

\_\_\_\_\_  
(Spouse)

\_\_\_\_\_  
(Please Print)

\_\_\_\_\_  
(Please Print)



State of Kansas }  
County of Kearney } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 9 day of August, 2023.

Jolene K. McCombs  
Notary Public

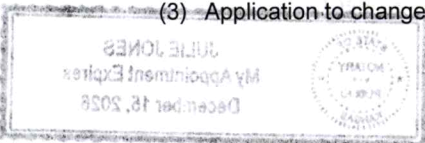
My Commission Expires 12-28-2024

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. 23454-D1.

- 1. A change application was received on August 15, 2023 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: Austin McColloch  
Duly Authorized Designee of the Chief Engineer  
(Print Name): Austin McColloch  
Division of Water Resources - Kansas Department of Agriculture

Date of Issuance: August 22, 2023

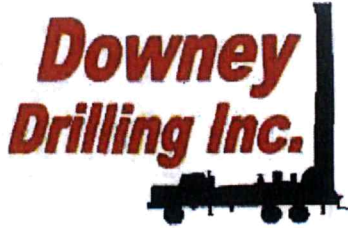
State of Kansas )  
County of Linney ) SS

Acknowledged before me on August 22, 2023  
by Austin McColloch

Signature: Julie Jones  
Notary Public

My commission expires: \_\_\_\_\_  



CUSTOMER NAME: MARIA FRIESEN

TH#2

LEGAL: NE 23-25S-35W

COUNTY: KEARNY CO. KS

GPS: 37.868047

-101.126671

DRILLER: ROCKY

WO: 22-1570

V	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	13	SURFACE SAND	SOFT	LIGHT BROWN	FAST		SMOOTH
	13	19	FINE-MED-COARSE SAND	FIRM		FAST		VIBRATION
	19	43	FINE-MED GRAVEL	FIRM		FAST		FAST CHATTER
	43	54	FINE-MED-GRAVEL W/ BIG ROCKS	STIFF		FAST		CHATTER
	54	76	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	76	95	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
	95	104	LIGHT GRAY SANDY CLAY	SOFT	LIGHT GRAY	FAST		SMOOTH
	104	122	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	122	132	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	132	143	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	143	165	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	165	187	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	187	246	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
	246	263	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	263	283	BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
	283	305	FINE-MED SAND					CHOPPY
	305	325	FINE-MED-COARSE SAND W/ LIME ROCK & CEMENTED SAND TRACE	STIFF	WHITE	SEMI SLOW		CHATTER
	325	350	FINE-MED-COARSE SAND W/ LIME ROCK	FIRM	WHITE	FAST		FAST CHATTER
	350	415	FINE-MED-COARSE SAND W/ SANDY CLAY	SOFT	BROWN	FAST		CHOPPY & SMOOTH
	415	421	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	421	425	FINE-MED SAND	SOFT		FAST		CHOPPY
	425	442	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	442	448	WEATHERED CLAY W/ BROWN ROCK TRACE	SOFT	BROWN	SEMI SLOW		SMOOTH & CHOPPY
	448	488	SHALE W/ SOAPSTONE	SOFT	BLUE	SEMI SLOW		SMOOTH
	488	503	YELLOW SOAPSTONE	SOFT	YELLOW	FAST		VIBRATION
	503	515	BROWN ROCK	STIFF	BROWN	FAST		FAST CHATTER
	515	536	SHALE	SOFT	BLUE	SLOW		SMOOTH
	536	548	HARD SPOT	HARD		SLOW	X	CHATTER
	548	594	FINE SAND W/ SANDSTONE & IRON PYRITE	HARD	GRAY	FAST		FAST CHATTER
	594	600	SHALE	SOFT	BLUE	SLOW		SMOOTH
	600	605	IRON PYRITE W/ FINE SAND	HARD	GRAY	FAST		FAST CHATTER
	605	620	SHALE	SOFT	BLUE	SLOW		SMOOTH
			QG - 6					
			WATER LOADS - 2					



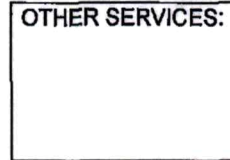


# Century GEOPHYSICAL CORP.

MARIA FRIESEN

COMPANY : DOWNEY DRILLING INC  
WELL : MARIA FRIESE  
LOCATION/FIELD : TH#2  
COUNTY : KEARNY  
LOCATION : NE  
SECTION : 23

OTHER SERVICES:



TOWNSHIP : 25S RANGE : 35W

DATE : 07/28/23  
DEPTH DRILLER : 620  
LOG BOTTOM : 623.10  
LOG TOP : 1.00

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

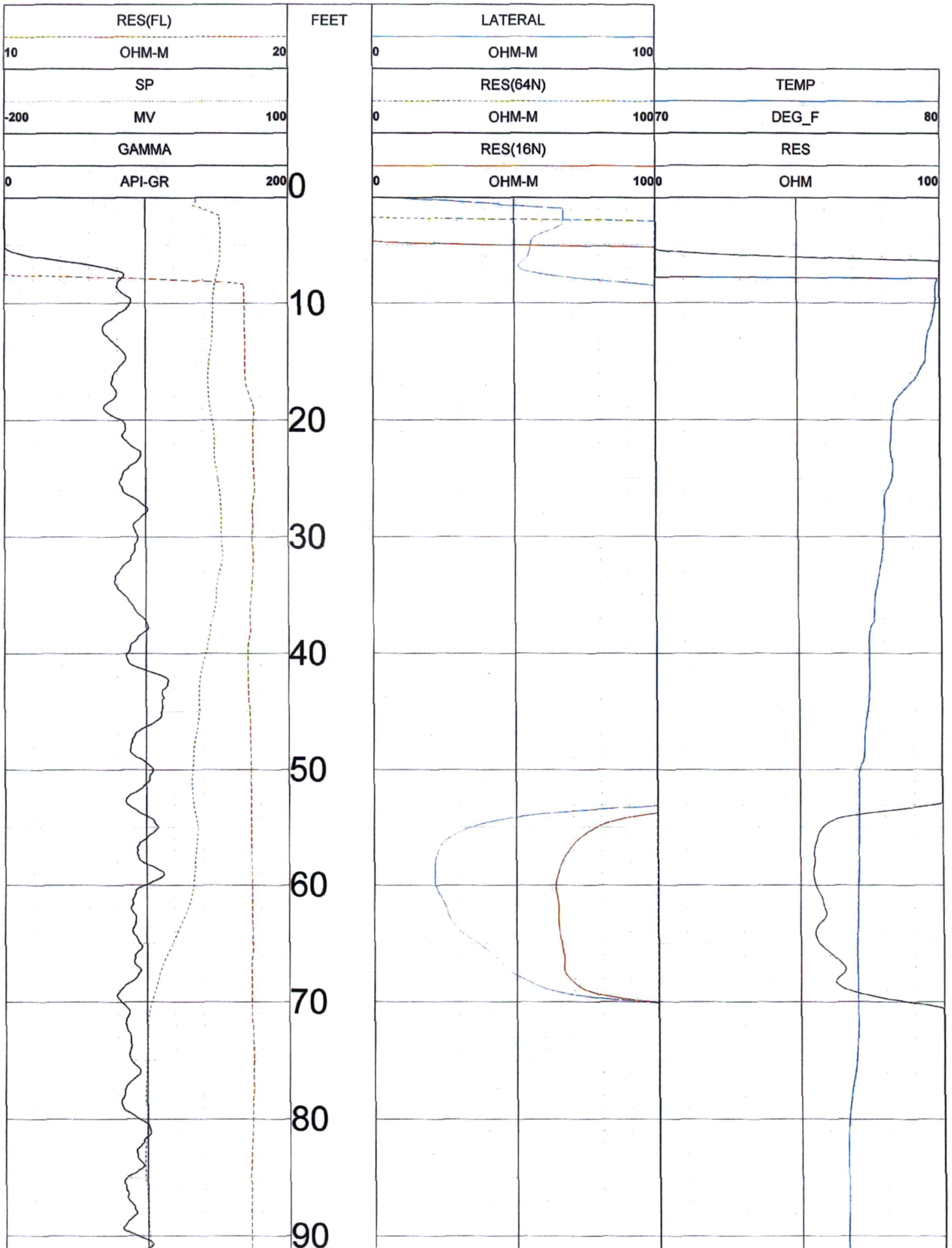
BOREHOLE FLUID : MUD  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 49

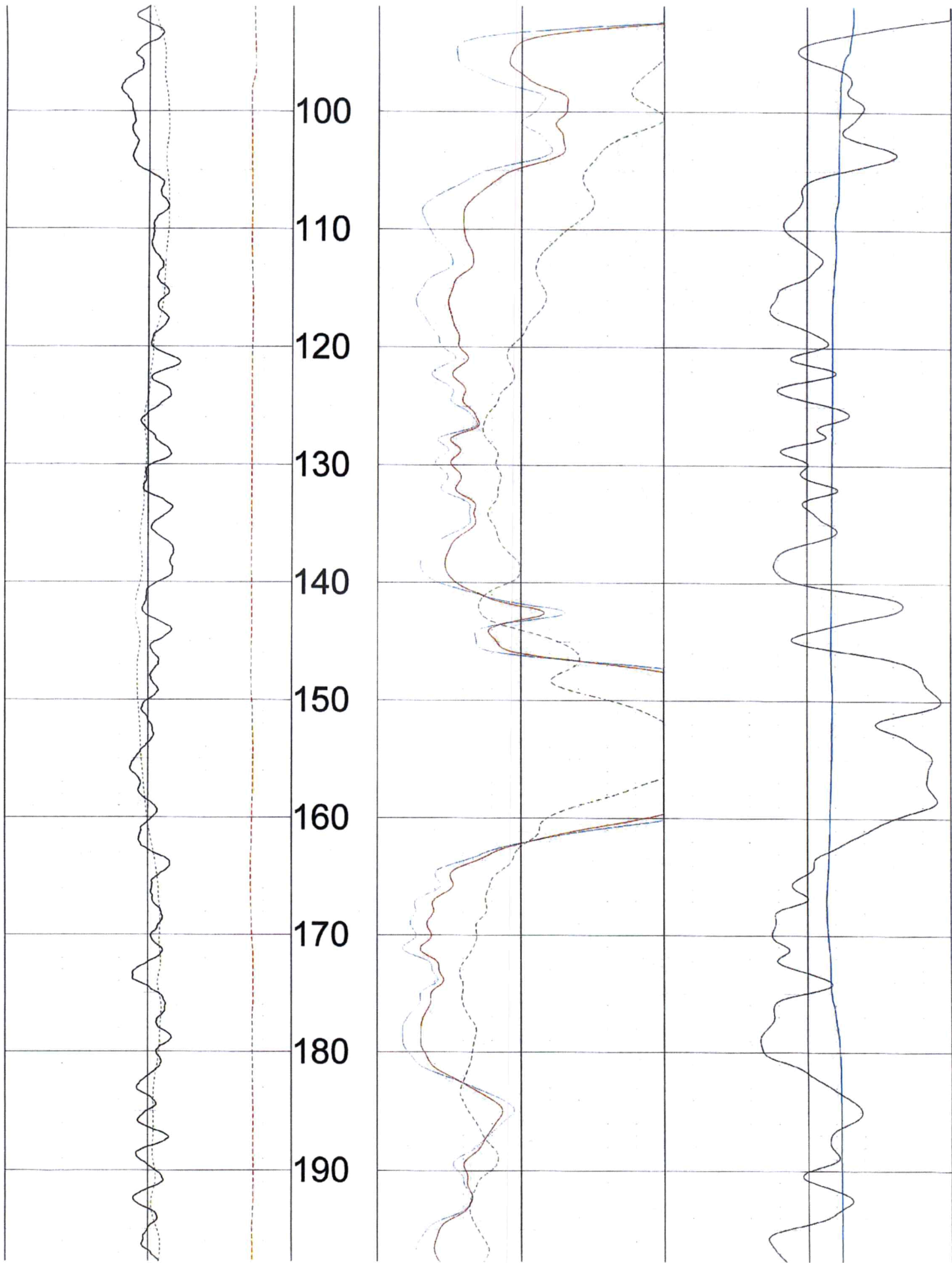
FILE : ORIGINAL  
TYPE : 8144A  
LGDATE: 07/28/23  
LGTIME : 17:02:  
THRESH: 99999

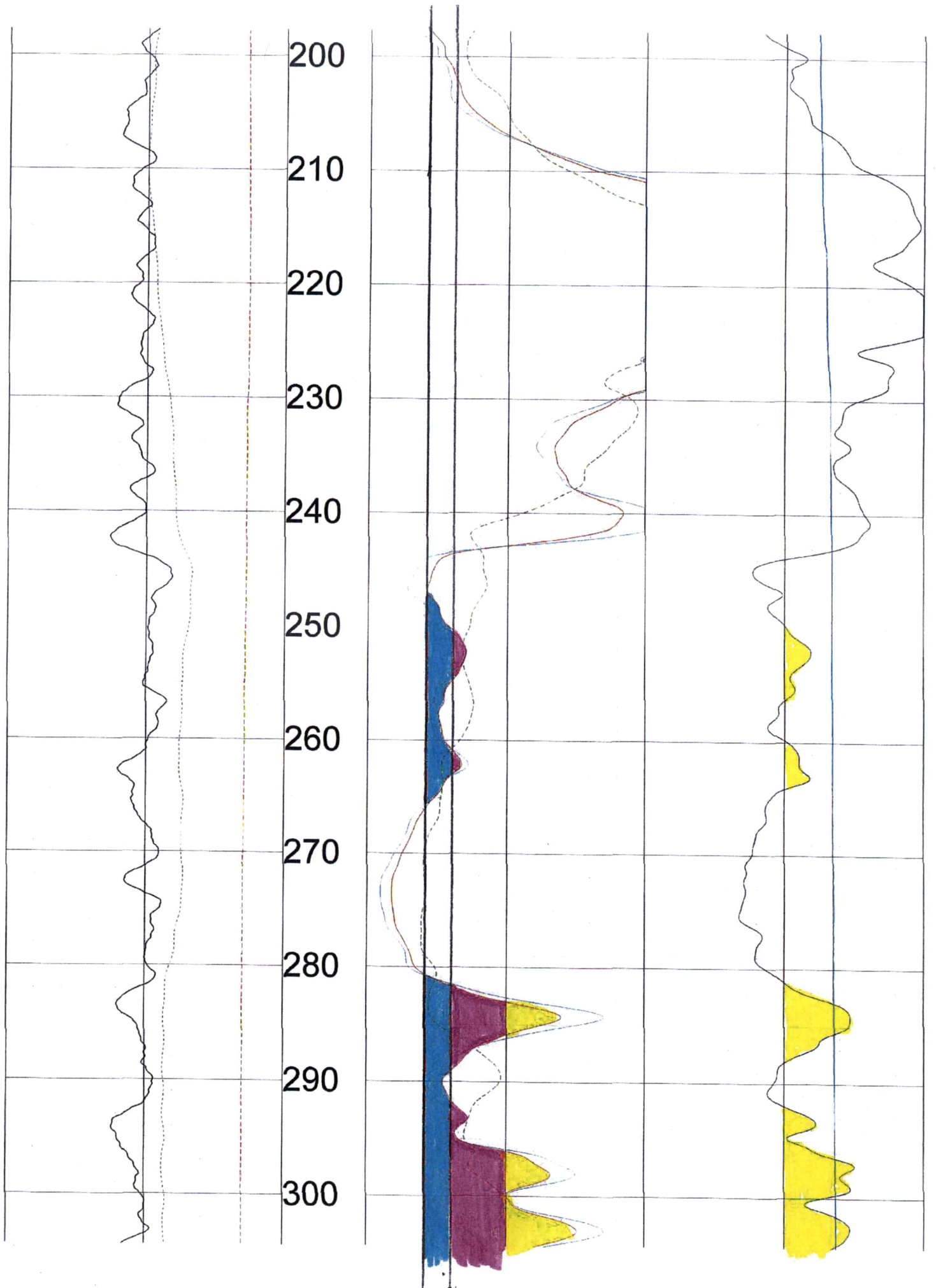
N 37.86804  
W-101.12867

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

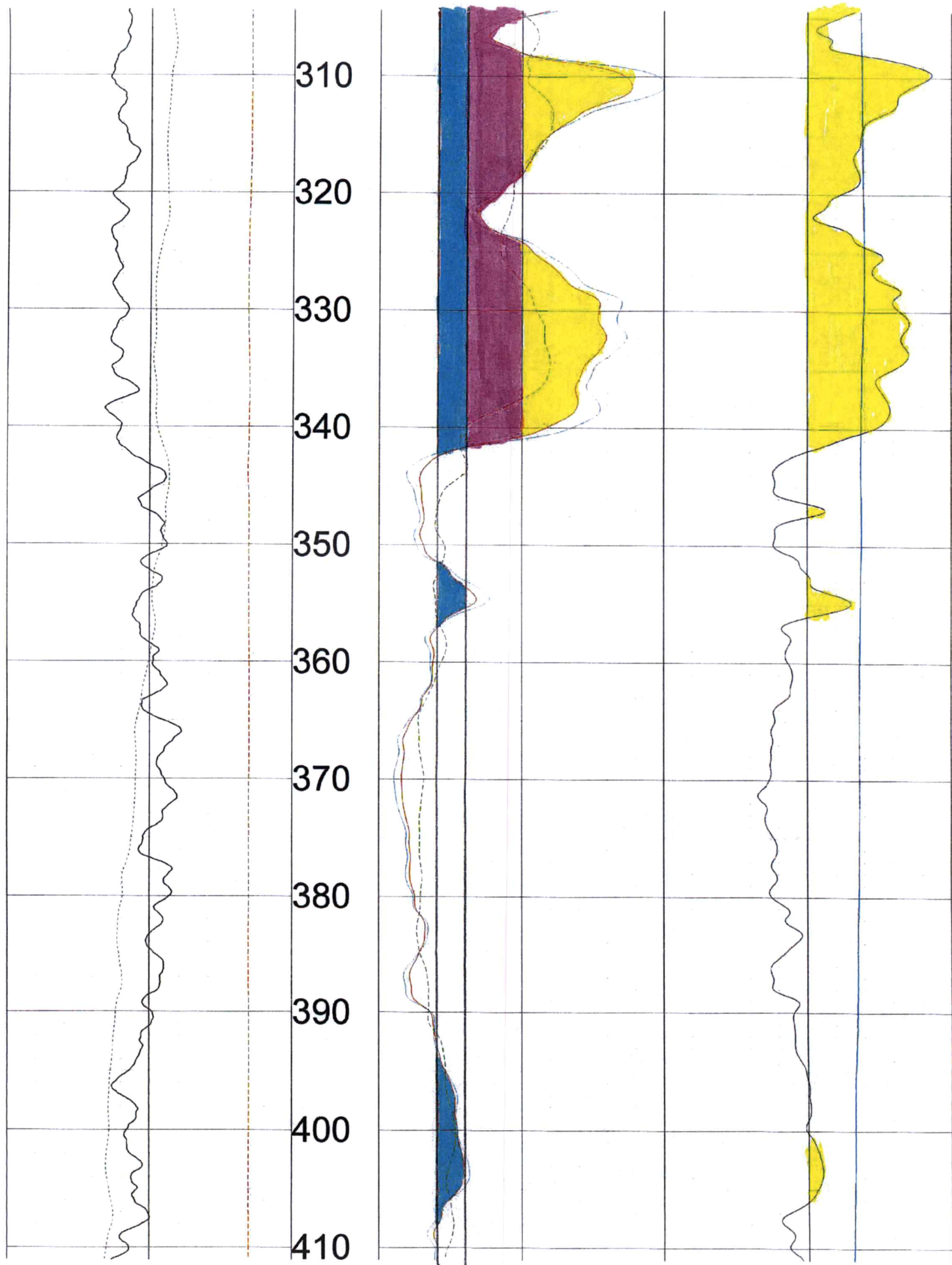


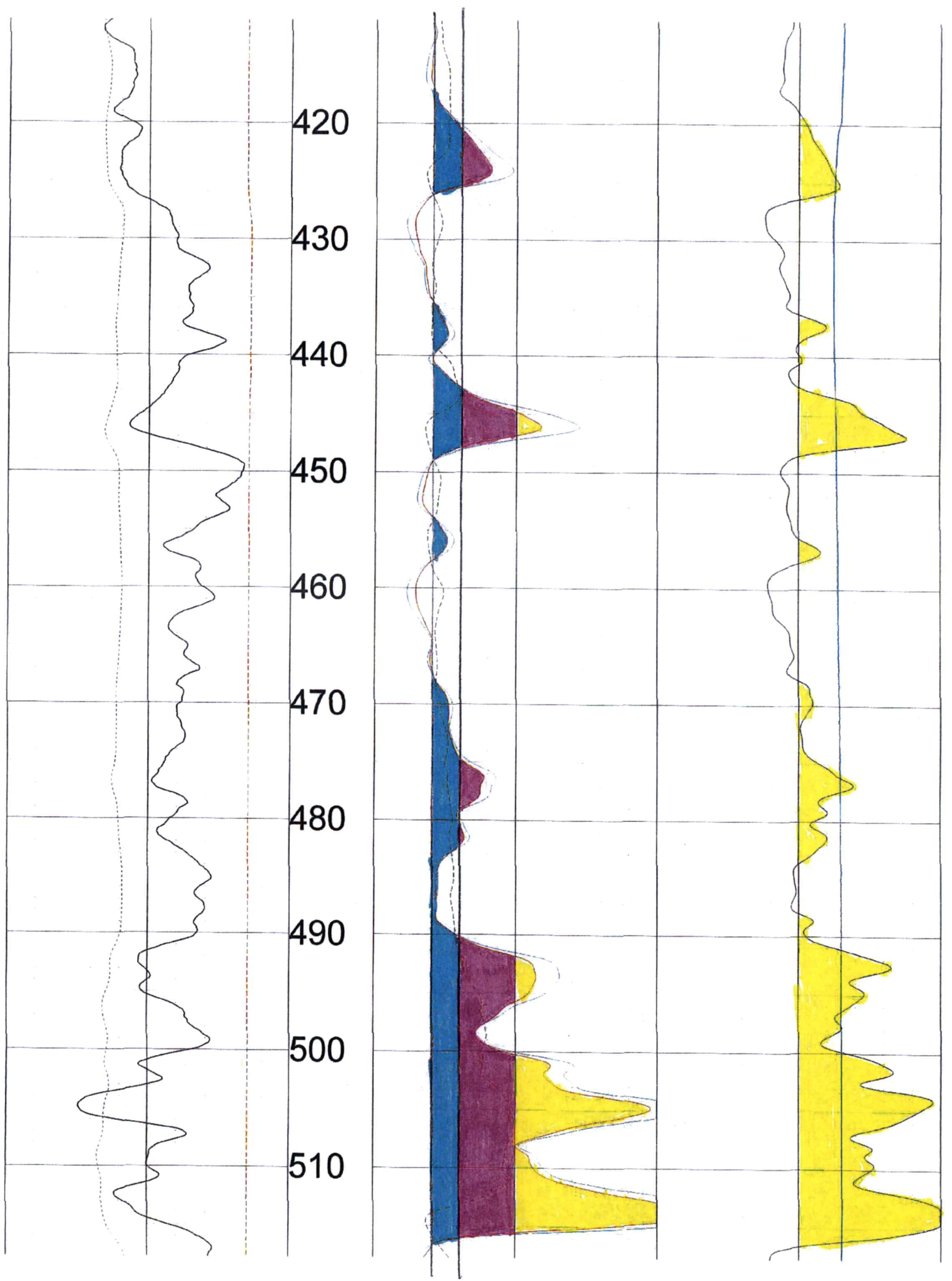


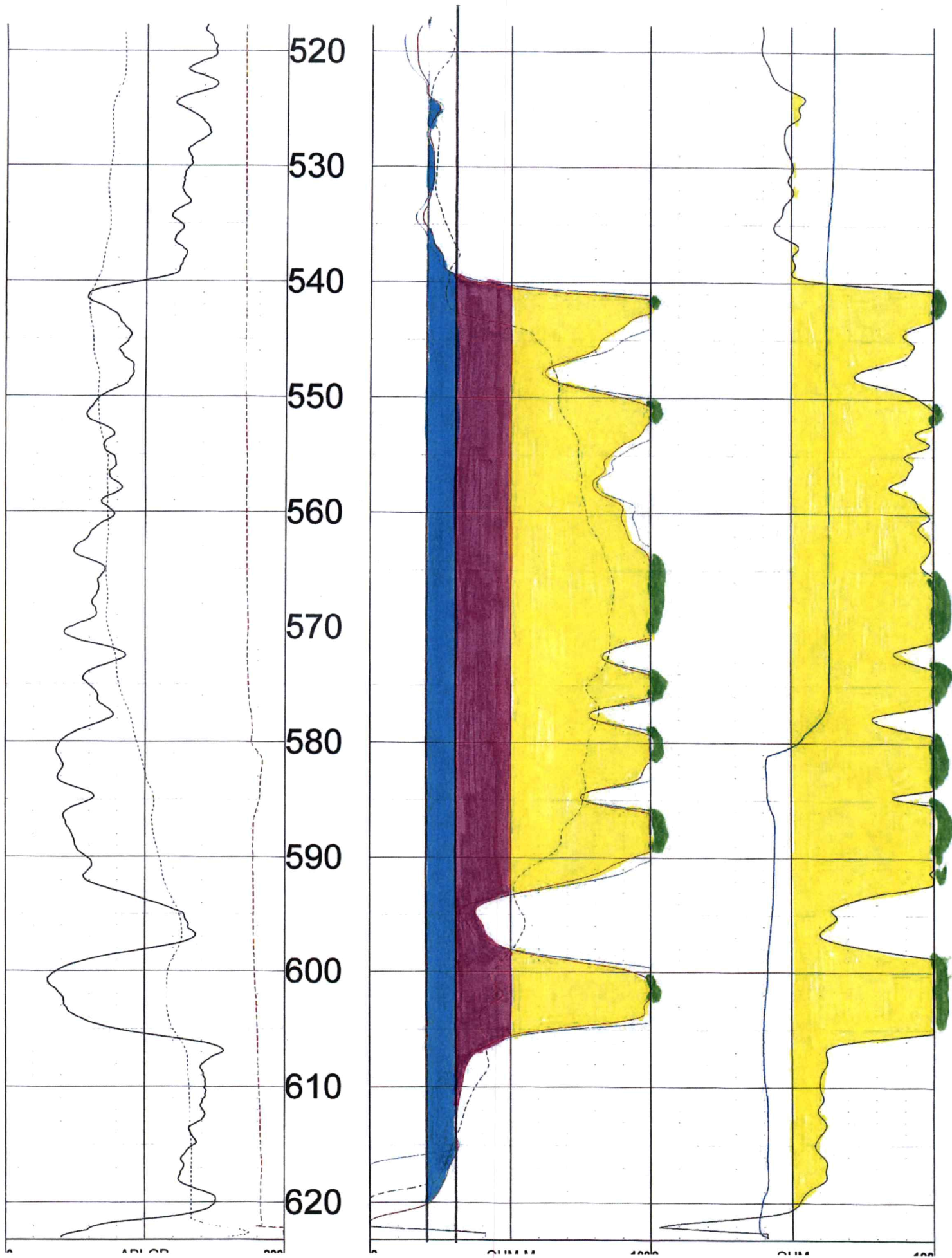














0	API-GR	200
	GAMMA	
-200	MV	100
	SP	
10	OHM-M	20
	RES(FL)	

FEET

0	OHM-M	1000	OHM	100
	RES(16N)		RES	
0	OHM-M	10070	DEG_F	80
	RES(64N)		TEMP	
0	OHM-M	100		
	LATERAL			

TOOL CALIBRATION MARIA FRIESEN 07/28/23 17:02  
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	May18,23	15:57:16	SP	0.000	[MV ]	327729.000	[CPS]
	May18,23	15:57:16	SP	350.000	[MV ]	155368.000	[CPS]
4	May18,23	15:54:50	RES(16N)	0.000	[OHM-M ]	3400.000	[CPS]
	May18,23	15:54:50	RES(16N)	1956.000	[OHM-M ]	448017.000	[CPS]
5	May18,23	15:56:27	RES(64N)	0.000	[OHM-M ]	3000.000	[CPS]
	May18,23	15:56:27	RES(64N)	1991.800	[OHM-M ]	446675.000	[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	May18,23	15:55:41	RES	0.000	[OHM ]	21264.000	[CPS]
	May18,23	15:55:41	RES	945.000	[OHM ]	190131.000	[CPS]