

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

1. File Number: <b>9003</b>	2. Status Change Date: <b>7-3-2024</b>	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>6/28/2024</b>
8a. Applicant(s) New to system <input type="checkbox"/>  <b>JOHN MARK KOEHN 7304 AA RD MONTEZUMA, KS 67867-9055</b>		8c. Landowner(s) New to system <input type="checkbox"/>  Person ID <u>32666</u> Add Seq# _____		
8b. Landowner(s) New to system <input checked="" type="checkbox"/>  <b>DAVID VERNON JR ETAL 27605 9 RD MONTEZUMA KS 67867-9010</b>		8d. WUC New to system <input type="checkbox"/>  <b>8a</b>  Person ID <u>32666</u> Add Seq# _____		
9. Documents and Enclosure(s): <input checked="" type="checkbox"/> DWR Meter(s) Date to Comply: <u>12/31/2024</u> <input checked="" type="checkbox"/> N & P Date to Comply: <u>3/1/2025</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>7/2/2024</b> By: <b>MAM</b> Date Entered: _____    By: _____				

SCANNED

File No. **9003**      11. County: **GY**      Basin: **ARKANSAS RIVER**      Stream:      Formation Code: **211**      Special Use:

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

**DEL 21330**  
**ENT      NWNWSE      8      28S 29W      2020      2300      1008      314      1008      314      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 12696</b>	<b>8</b>	<b>28</b>	<b>29W</b>	<b>2</b>																	<b>150</b>	<b>8a</b>	<b>N</b>	<b>none</b>	
<b>CHK 18437</b>	<b>17</b>	<b>28</b>	<b>29W</b>	<b>1</b>	<b>3.5</b>	<b>3.5</b>															<b>7</b>	<b>8b</b>	<b>Y</b>	<b>none</b>	

Base Acres: **157**      Year:      Minimum Reasonable Quantity:  
 Comments: **SPECIAL CONDITION LIMIT DEPTH**

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

July 3, 2024

JOHN MARK KOEHN  
7304 AA RD  
MONTEZUMA, KS 67867-9055

RE: Field Office Application for Change  
Water Right, File No. 9003

Dear Sir:

Enclosed is an 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 these approvals 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 note the additional condition of the limit of depth of well.

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 "Michael A. Meyer".

Michael A. Meyer  
Water Commissioner

MAM:  
Enclosures

pc: David Vernon Jr Etal

**SCANNED**

**CERTIFICATE OF SERVICE**

On this 3<sup>rd</sup> day of July 2024, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File Nos. 13,682-D1 and 19,019 dated 3<sup>rd</sup> day of July 2024 was mailed postage prepaid, first class, US mail to the following:

JOHN MARK KOEHN  
7304 AA RD  
MONTEZUMA, KS 67867-9055

pc:

DAVID VERNON JR ETAL  
27605 9 RD  
MONTEZUMA KS 67867-9010

A handwritten signature in blue ink that reads "Aaron Halsted". 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.

File No. 9003

**RECEIVED**  
 11:30 am  
**JUN 28 2024**

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: John Mark & Kendal Koehn

7304 AA RD, Montezuma, KS 67867-9055

Phone Number: ( ) \_\_\_\_\_ Email address: \_\_\_\_\_

Name and address of Water Use Correspondent: Same as Above

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	

PY2406K8D42

For Office Use Only: Code _____	Fee \$ <u>100.00</u>	TR # _____	Receipt Date <u>6-28-24</u>	Check # <u>visacard</u>
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5. **Presently authorized point of diversion:**  
 One in the        NW        Quarter of the        NW        Quarter of the        SE        Quarter  
 of Section        8       , Township        28        South, Range        29        W,  
 in Gray        County, Kansas,        feet North        feet West of Southeast corner of section.  
 Authorized Rate        Authorized Quantity        Depth of well 247 (feet)  
**(DWR use only: Computer ID No. 1 GPS 2010 feet North 2034 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        NW        Quarter of the        SE        Quarter  
 of Section        8       , Township        28        South, Range        29        W,  
 in Gray        County, Kansas, 2020 feet North 2300 feet West of Southeast corner of section.  
 Proposed Rate        Proposed Quantity        Proposed well depth (feet) 305  
 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        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        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

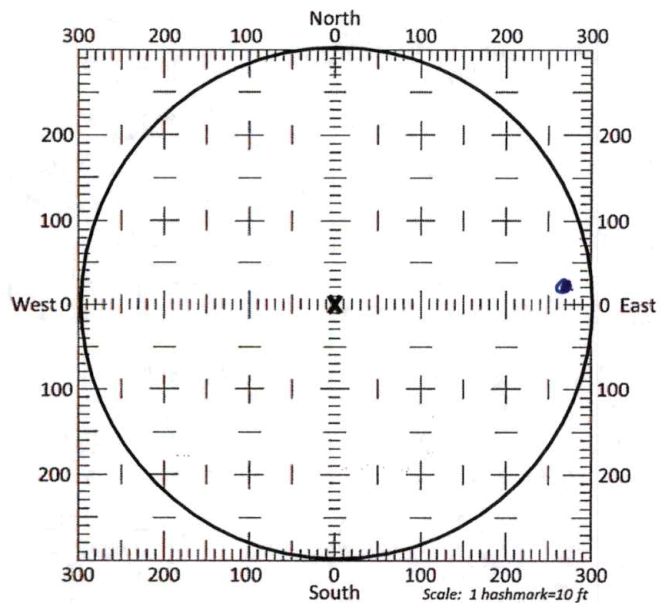
9. The change(s) (was)(will be) completed by?  
 \_\_\_\_\_

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

11. Groundwater Management District recommendation attached?  
 Yes  No

12. Assisted by JG/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).

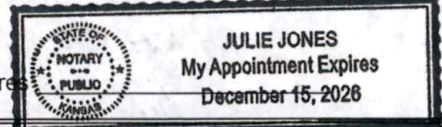
I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regards to the water right(s) to which this application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

Dated at Garden City, Kansas, this 28<sup>th</sup> day of June, 2024.

<u>John Mark Koehn</u> (Owner)	
<u>John Mark Koehn</u> (Please Print)	

State of Kansas  
 County of Finney } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 28<sup>th</sup> day of June, 2024.



Julie Jones  
 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. 9,003.

1. A change application was received on June 28, 2024 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, 2024**, 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, 2024**, or within any authorized extension of time. By March 1, 2025 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:   
Duly Authorized Designee of the Chief Engineer

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

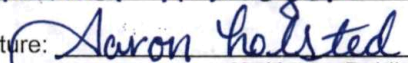
Date of Issuance: July 3, 2024

State of Kansas \_\_\_\_\_ )

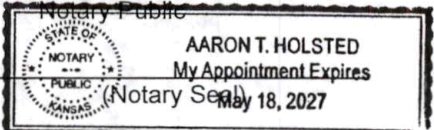
County of Finney \_\_\_\_\_ ) SS

Acknowledged before me on July 3, 2024

by Michael A Meyer

Signature: 

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





ADDITIONAL CONDITION TO  
SUMMARY ORDER APPROVING APPLICATION FOR CHANGE  
AND IMPOSING CONDITIONS,  
Water Right, File Nos. 9,003

The effective date of the change shall be the date this order is executed by the Chief Engineer, after which the following condition is included as a condition of the approval of this application for change in point of diversion.

That the well authorized by the application for change in point of diversion shall be screened no deeper than 305' below land surface, which is considered to be the bottom of the Ogallala aquifer at this location. Any casing placed below 305' below land surface shall not be screened and the annular space outside of the casing below 305' below land surface shall be grouted according to rules and regulations promulgated by the Kansas Department of Health and Environment Article 30 so as to not allow production of water from underlying Cretaceous Aquifers.

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

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

Dated of Issuance: July 3, 2024

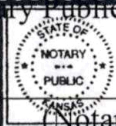
State of Kansas                     )  
                                                  ) SS  
County of Finney                 )

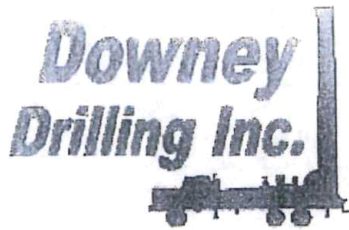
Acknowledged before me on the 3rd day of July 2024

By Michael A Meyer

Signature Aaron Holsted

Notary Public  
My Commission expires: May 18, 2027

 NOTARY PUBLIC STATE OF KANSAS	<b>AARON T. HOLSTED</b> My Appointment Expires <b>May 18, 2027</b> (Notary Seal)
-------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------



CUSTOMER NAME: JOHN MARK &amp; KENDAL KOEHN

TH#1-24

LEGAL: NE 8-28S-29W

COUNTY: GRANT CO, KS

GPS: 37.625901

-100.51472

DRILLER: ROCKY

WO: 24-680

V	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	2	TOP SOIL	SOFT	BROWN	FAST		SMOOTH
	2	16	BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	16	30	SANDY CLAY W/ FINE-SAND	SOFT	BROWN	FAST		SMOOTH & VIBRATION
	30	51	FINE SAND	SOFT		FAST		VIBRATION
	51	58	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	58	64	FINE SAND	SOFT		FAST		VIBRATION
	64	75	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	75	88	SANDY CLAY W/ CEMENTED SAND	FIRM	BROWN & WHITE	SEMI SLOW		SMOOTH & CHOPPY
	88	106	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	106	126	SANDY CLAY W/ FINE-SAND	SOFT	TAN	FAST		SMOOTH & VIBRATION
	126	132	CEMENTED SAND	HARD	WHITE	SLOW		CHATTER
	132	144	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	144	154	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	154	159	CEMENTED SAND	HARD	WHITE	SLOW		CHATTER
	159	165	GREEN CLAY	SOFT	GREEN	SLOW		SMOOTH
	165	176	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	176	192	SANDY CLAY W/ FINE-SAND	SOFT	TAN	FAST		SMOOTH & VIBRATION
	192	213	FINE-MED-COARSE SAND W/ FINE-GRAVEL	STIFF		FAST		CHATTER
	213	215	CEMENTED SAND W/ SANDY CLAY TRACE	STIFF	WHITE & TAN	SLOW		CHATTER
	215	226	FINE-MED-COARSE SAND W/ FINE-GRAVEL	STIFF		FAST		CHATTER
	226	249	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	249	262	BROWN CLAY	STICKY	BROWN	FAST		SMOOTH
	262	268	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	268	276	LIME ROCK	STIFF	WHITE	SEMI SLOW		CHATTER
	276	284	GREEN CLAY	SOFT	GREEN	SLOW		SMOOTH
	284	298	LIME ROCK	HARD	WHITE	SLOW		CHATTER
	298	305	WEATHERED CLAY	SOFT	GRAY & YELLOW	SLOW		SMOOTH
	305	332	BLACK CLAY	SOFT	BLACK	SLOW		SMOOTH
	332	345	SANDSTONE W/ FINE SAND & SOAPSTONE	STIFF	GRAY	FAST		FAST CHATTER
	345	353	BROWN ROCK W/ SANDSTONE	STIFF	BROWN & YELLOW	FAST		CHATTER
	353	370	GRAY CLAY	SOFT	GRAY	SLOW		SMOOTH
	370	382	SOAPSTONE W/ SANDSTONE	FIRM	GRAY	FAST		SLIGHT CHATTER
	382	385	HARD SPOT	HARD		SLOW	X	CHATTER
	385	397	SOAPSTONE W/ SANDSTONE & BROWN ROCK TRACE	FIRM	GRAY & BROWN	FASTER		VIBRATION & CHOPPY
	397	400	HARD SPOT	HARD		SLOW	X	CHATTER

**SCANNED**



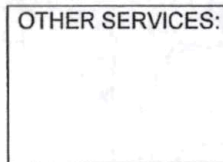


# Century GEOPHYSICAL CORP.

JOHN MARK & KENDAL KOEHN

COMPANY : DOWNEY DRILLING INC  
WELL : JOHN MARK & KENDAL KOEH  
LOCATION/FIELD : TH#1-24  
COUNTY : GRANT  
LOCATION : NENSAS  
SECTION : 8

OTHER SERVICES:



TOWNSHIP : 28S RANGE : 29W

DATE : 06/25/24  
DEPTH DRILLER : 500  
LOG BOTTOM : 502.00  
LOG TOP : 1.00

PERMANENT DATUM : GL

KB :  
DF :  
GL : 2820

CASING DIAMETER : 10.  
CASING TYPE : SURFACE  
CASING THICKNESS:

LOGGING UNIT : 2310  
FIELD OFFICE : O'DRISCOL  
RECORDED BY : DIEGO

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

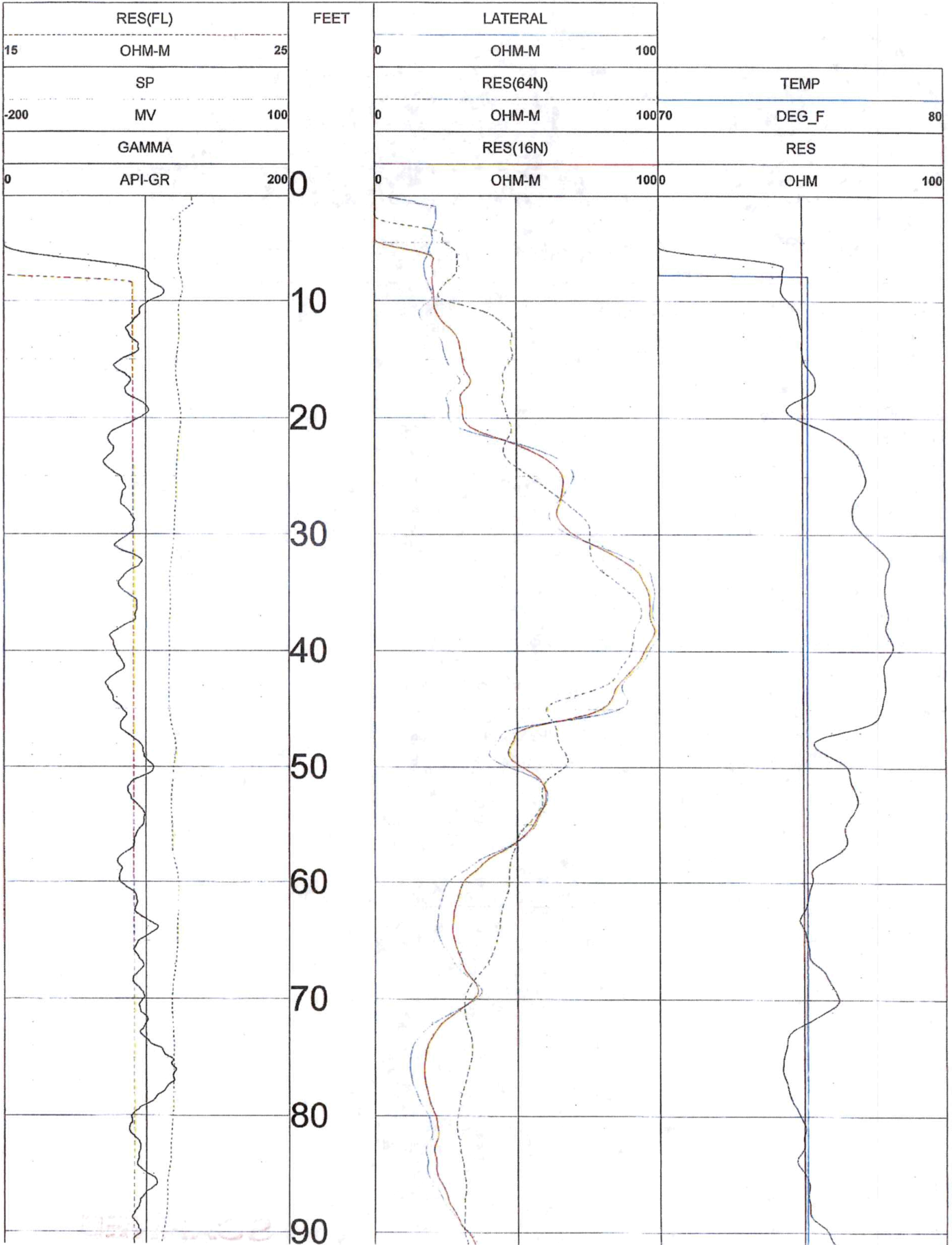
BOREHOLE FLUID : MUD  
RM : .179  
RM TEMPERATURE : 68.5  
MATRIX DELTA T : 49

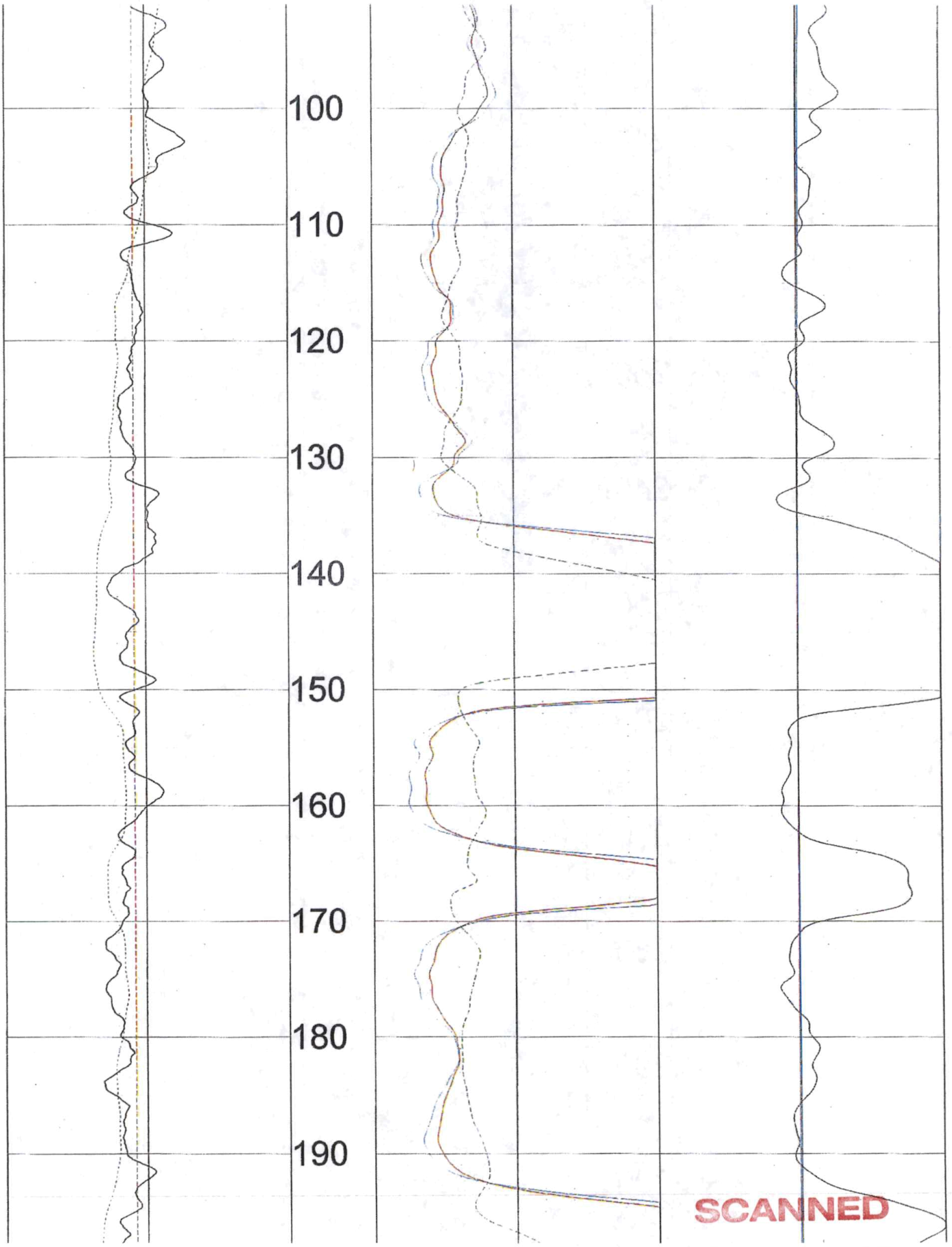
FILE : ORIGINAL  
TYPE : 8144A  
LGDATE: 06/25/24  
LGTIME : 17:23:  
THRESH: 99999

GPS 37.625901 -100.51472

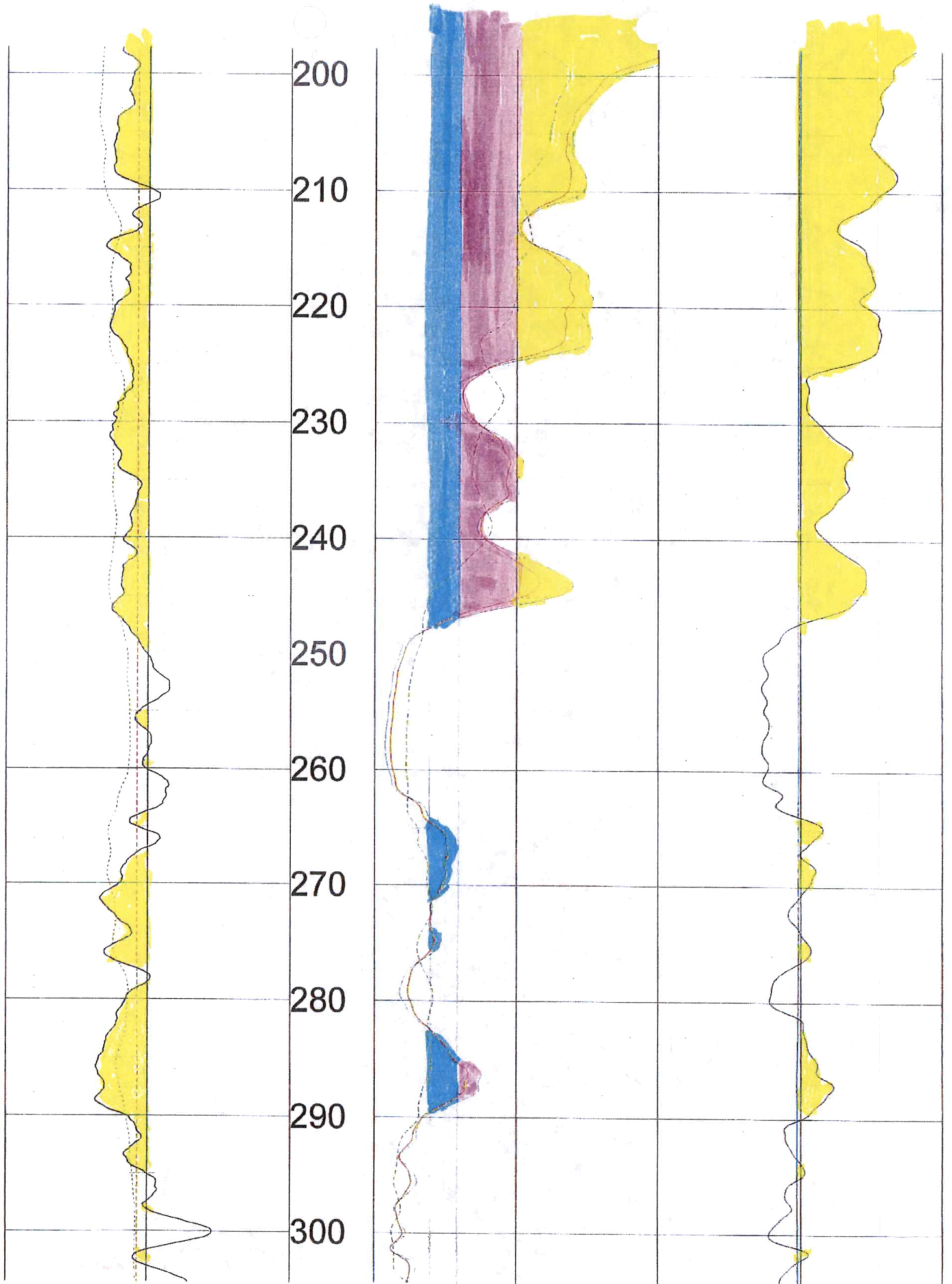
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

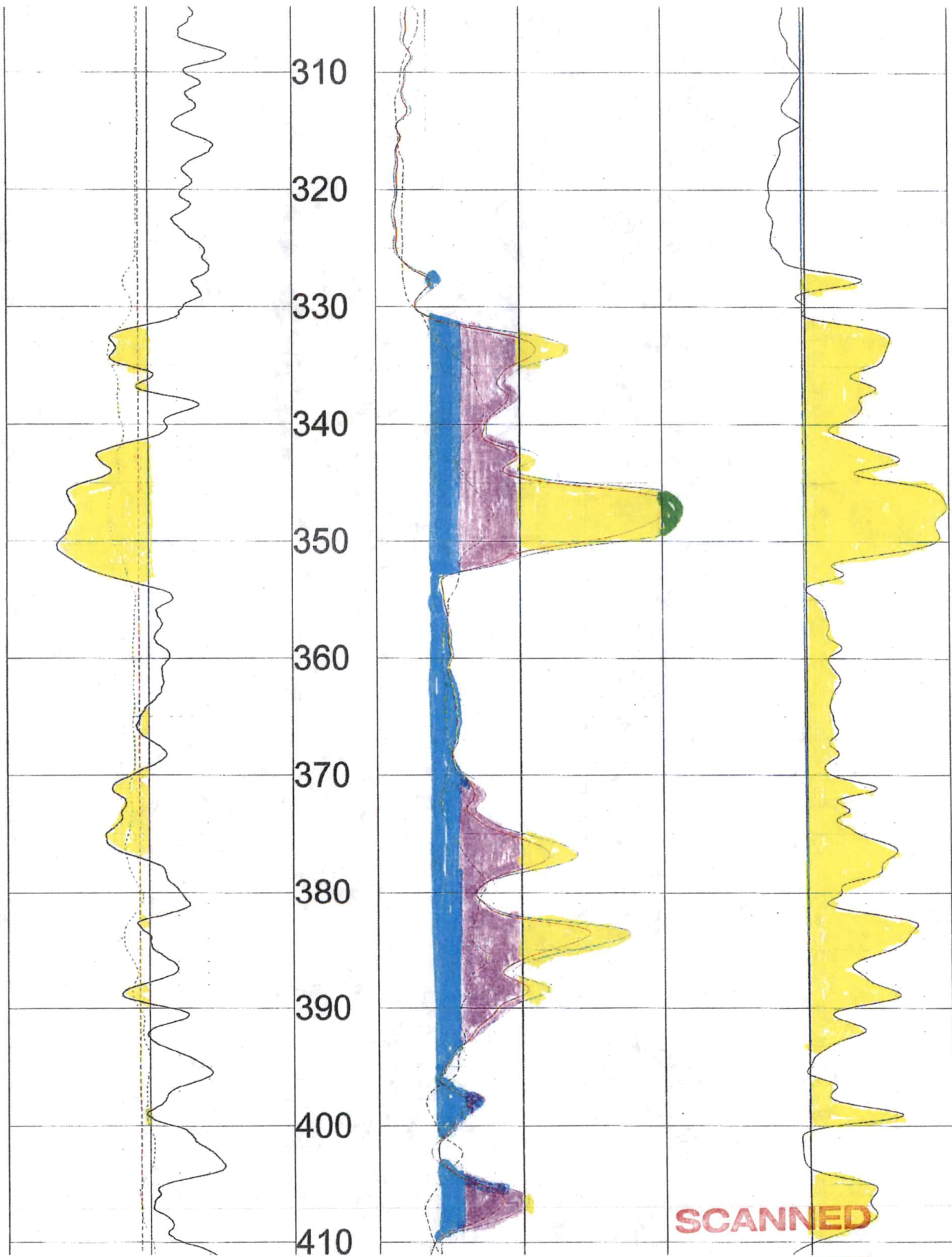
**SCANNED**





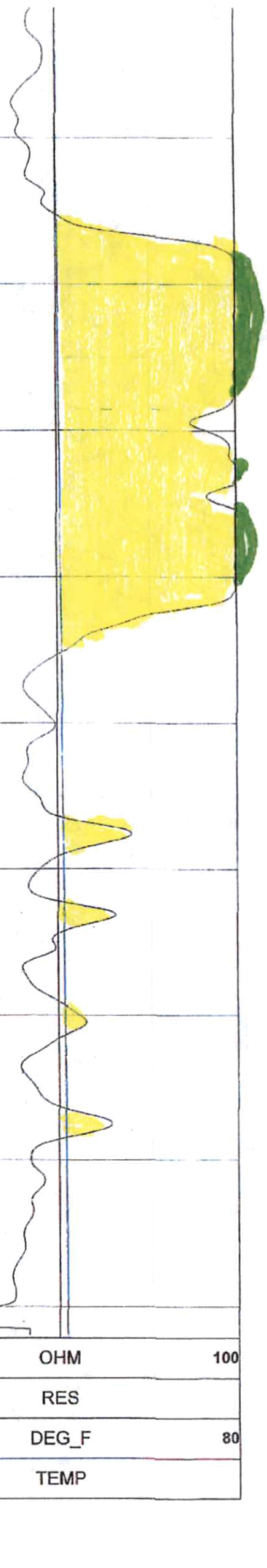
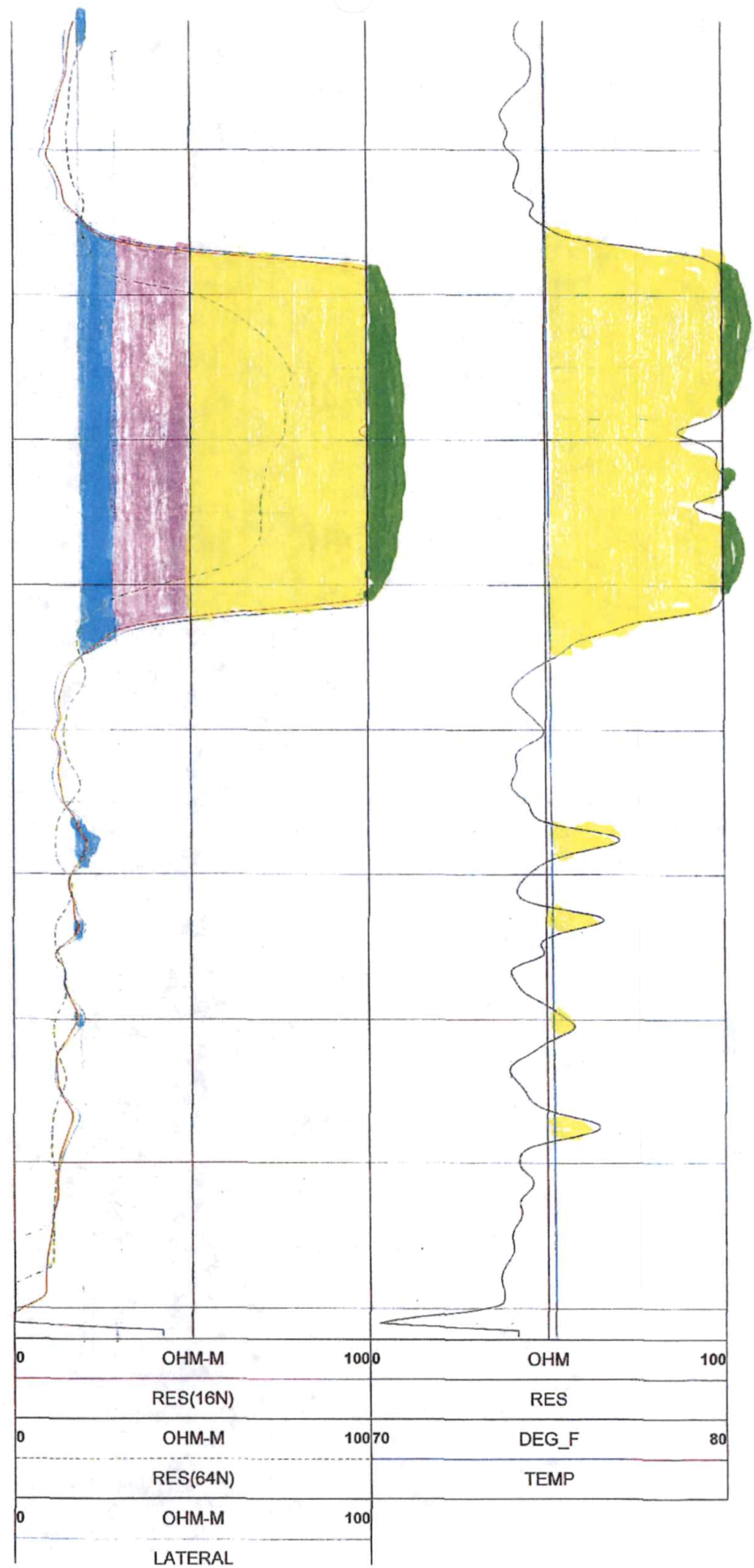
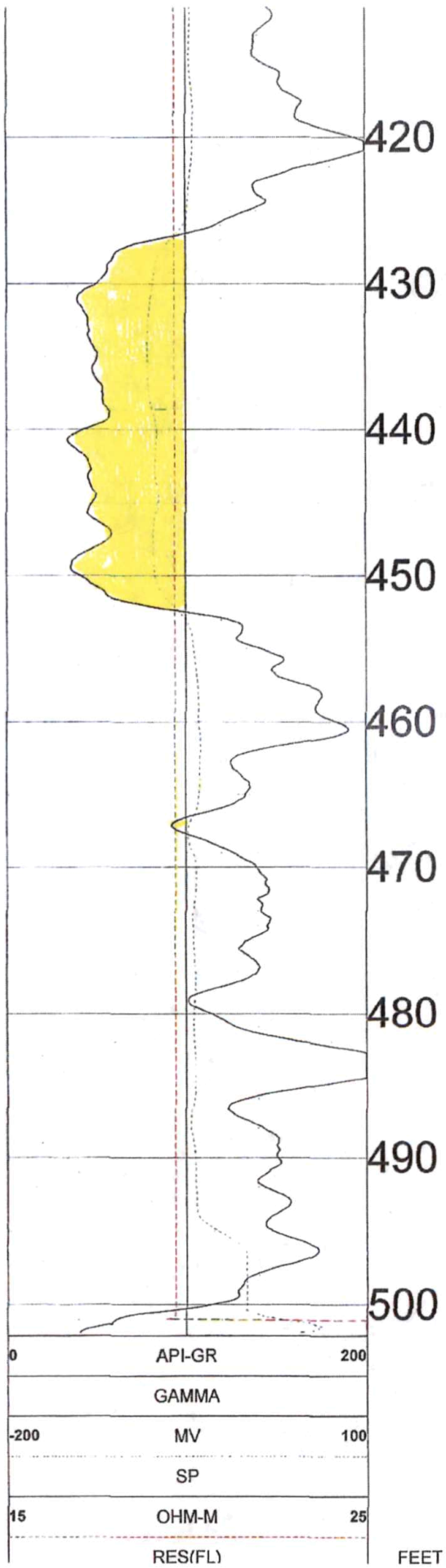
**SCANNED**





SCANNED





TOOL CALIBRATION JOHN MARK & KENDAL KOEHN 06/25/24 17:23  
TOOL 8144A TM VERSION 3002  
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]

SCANNED