

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

1. File Number: 8172	2. Status Change Date: <i>11-29-2022</i>	3. Change Num: C3	4. Field Office: 4	5. GMD: 3
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: 11/29/2022
8a. Landowner, applicant, New to system <input checked="" type="checkbox"/> PETRA ENERGY LLC PO BOX 310 SUBLETTE KS 67877		Person ID _____ 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 39063 _____ Add Seq# _____	8d. WUC New to system <input type="checkbox"/> JAY & KRISTI A STAPLETON PO BOX 310 SUBLETTE, KS 67877-0310	
9. Documents and Enclosure(s): <input checked="" type="checkbox"/> DWR Meter(s) Date to Comply: 12/31/2023 <input checked="" type="checkbox"/> N & P Date to Comply: 3/1/2024 <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: 11/29/2022 By: MAM Date Entered: _____ By: _____				

File No. **8172** 11. County: HS Basin: CROOKED CREEK Stream: Formation Code: 211/331 Special Use:

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

DEL 5596
ENT SESWNE 10 30 32W 2728 1735 1228 134 1228 134 8172

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	
						NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼					
CHK 25287																							8a	Y	3261, 5065, 27818	

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

November 29, 2022

PETRA ENERGY LLC
PO BOX 310
SUBLETTE KS 67877

RE: Field Office Application for Change
Water Right, File Nos. 3261, 8172, 27818

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 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,


Michael A. Meyer
Water Commissioner

MAM:
Enclosures

CERTIFICATE OF SERVICE

On this 29th day of November 2022, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File Nos. 3,261, 8,172, 27,818 dated 29th day of November 2022 was mailed postage prepaid, first class, US mail to the following:

PETRA ENERGY LLC
PO BOX 310
SUBLETTE KS 67877

A handwritten signature in blue ink that reads "Julie Jones". 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. 8172

RECEIVED
 3:27 PM
 NOV 21 2022

Garden City Field Office
 Division of Water Resources

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

2. Name and address of Applicant: JAY STAPLETON

PO BOX 310 SUBLETTE, KS. 67877

Phone Number: (620)353-9487

Email address: _____

Name and address of Water Use Correspondent: JAY & KRISTI A. STAPLETON

PO BOX 310 SUBLETTE, KS. 67877

Phone Number: (620)353-9487

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: _____

NetRA Energy LLC
PO BOX 310 Sublette KS 67877

(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 11-21-22 Check # 001092

5. **Presently authorized point of diversion:**
 One in the NE Quarter of the NW Quarter of the SE Quarter of Section 10, Township 30 South, Range 32 W, in HASKELL County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Authorized Rate 1228GPM Authorized Quantity 134AF 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 SE Quarter of the SW Quarter of the NE Quarter of Section 10, Township 30 South, Range 32 W, in HASKELL County, Kansas, 2728 feet North 1735 feet West of Southeast corner of section.
 Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) 660
 This point is: Additional Well Geo Center List other water rights that will use this point 3261

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 location

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

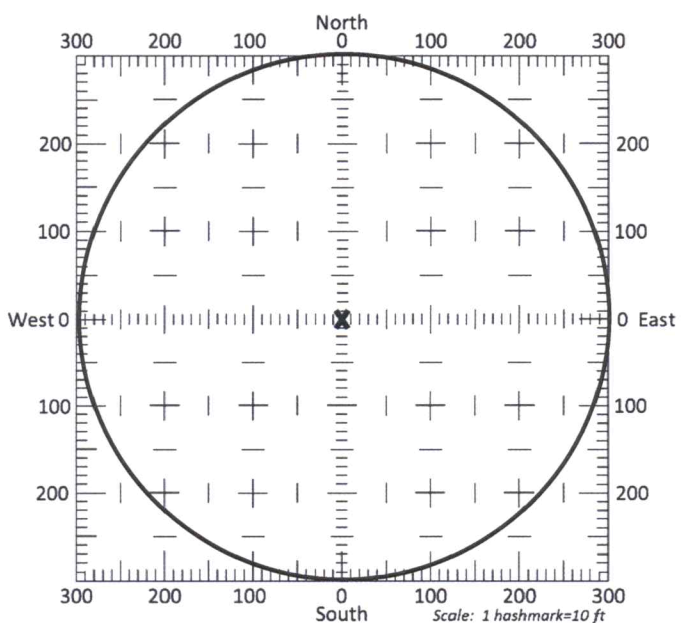
9. The change(s) (was)(will be) completed by?

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 CAC

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 Warden City, Kansas, this 21st day of November, 2022.

Jon Sklarz Petra Energy
 (Owner)

 (Spouse)

Jay Stapleton member.
 (Please Print)

 (Please Print)

 (Owner)

 (Spouse)

 (Please Print)

 (Please Print)

 (Owner)

 (Spouse)

 (Please Print)

 (Please Print)

State of Kansas }
 County of Tinney } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 21st day of November, 2022.



My Commission Expires _____

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. 8,172

1. A change application was received on November 21, 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

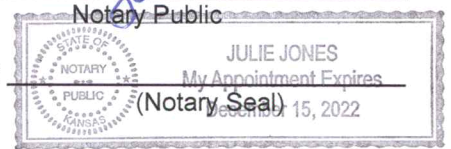
By: Michael A. Meyer
 Duly Authorized Designee of the Chief Engineer
 (Print Name): MICHAEL A. MEYER
 Division of Water Resources - Kansas Department of Agriculture

Date of Issuance: November 29, 2022
 State of Kansas)
) SS
 County of Stimney)

Acknowledged before me on November 29, 2022
 by Michael A. Meyer

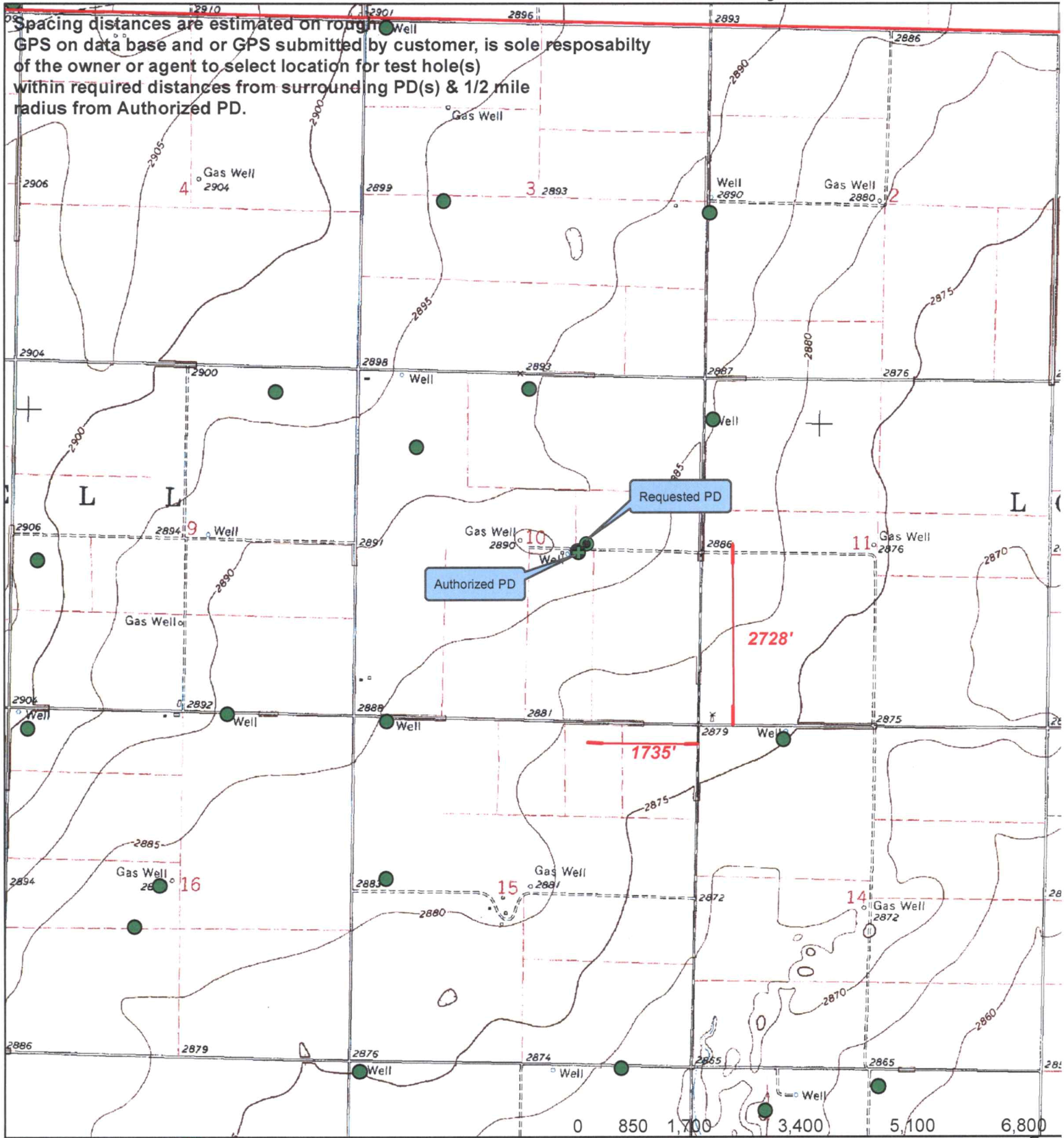
Signature: Julie Jones
 Notary Public

My commission expires: _____
 (Notary Seal) JULIE JONES
 My Appointment Expires November 15, 2022



Point of Diversion Change, WR(s) 3261 & 8172 T30 R32W Section 10 Haskell County

Spacing distances are estimated on rough GPS on data base and or GPS submitted by customer, is sole responsibility of the owner or agent to select location for test hole(s) within required distances from surrounding PD(s) & 1/2 mile radius from Authorized PD.



- + Authorized PD
- Requested PD
- Point of Diversion
- Active Water Right w/in 1/2 mile
- + domestic well w/in 1/2 mile
- Half Mile Radius
- #1 Water Right No
- #2 Water Right No
- #3 Water Right No
- #4 Water right No.

- Authorized PU
- Requested PD

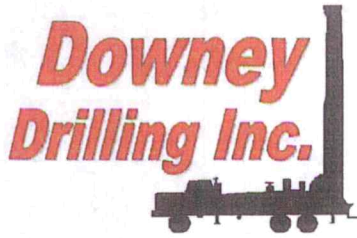


Applicant Signature & Date

By signing this map the applicant is aware that no other wells (Irrigation, Domestic, Industrial etc) are within the 1/2 mile radius circle.

WELL LOG

DATE: 11/3/2022



CUSTOMER NAME: PETRA ENERGY

TH#1

LEGAL: SE 10-30S-32W

COUNTY: HASKELL CO, KS

Elev. = 2892'

GPS: 37.453148

-100.804159

DRILLER: ROCKY

WO: 22-1006

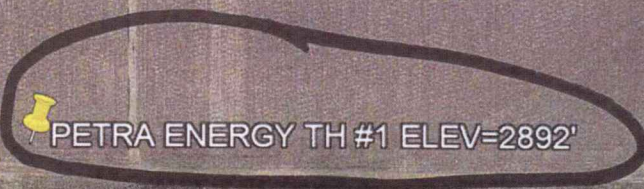
TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	2	TOP SOIL	SOFT	DRK BROWN	FAST		SMOOTH
	2	50	BROWN SILTY CLAY W/ CALICHE	SOFT	BROWN & WHITE	FAST		SMOOTH & CHOPPY
	50	75	SANDY CLAY W/ FINE SAND	SOFT		FAST		SMOOTH & VIBRATION
	75	99	FINE-MED-COARSE GRAVEL W/ BIG ROCKS	STIFF		FAST		CHATTER
	99	112	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	112	126	FINE-MED-COARSE GRAVEL W/ BIG ROCKS	STIFF		FAST		CHATTER
	126	131	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	131	145	FINE-MED-COARSE GRAVEL W/ BIG ROCKS	STIFF		FAST		CHATTER
	145	197	FINE-MED-COARSE GRAVEL W/ SANDY CLAY TRACE	STIFF	BROWN	FAST		CHATTER
	197	231	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	231	242	FINE-MED-COARSE GRAVEL	STIFF		FAST		CHATTER
	242	244	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	244	252	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	252	260	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	260	265	BLUE CLAY	SOFT	BLUE	FAST		SMOOTH
	265	269	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	269	284	FINE-MED GRAVEL	FIRM		FAST		FAST CHATTER
	284	287	GRAY CLAY	SOFT	GRAY	FAST		SMOOTH
	287	293	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	293	304	GRAY CLAY	SOFT	GRAY	FAST		SMOOTH
	304	309	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	309	311	GRAY CLAY	SOFT	GRAY	FAST		SMOOTH
	311	329	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	329	331	YELLOW CLAY	SOFT	YELLOW	FAST		SMOOTH
	331	388	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	388	392	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	392	400	GRAY CLAY	SOFT	GRAY	FAST		SMOOTH
	400	408	BLACK CLAY W/ SOAPSTONE	SOFT	BLACK & BLUE	FAST		SMOOTH & VIBRATION
	408	414	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM	BLUE	FAST		FAST CHATTER
	414	424	BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	424	434	SANDSTONE W/ SOAPSTONE	FIRM	GREEN	FAST		FAST CHATTER
	434	454	SOAPSTONE W/ SANDSTONE	FIRM	YELLOW	FAST		VIBRATION & CHOPPY
	454	464	WEATHERED SHALE	SOFT	YELLOW & GRAY	SEMI SLOW		SMOOTH
	464	592	SHALE W/ SANDSTONE TRACE	SOFT	BLUE	SLOW		SMOOTH
X	592	648	SANDSTONE W/ FINE SAND	STIFF	GRAY	FAST		FAST CHATTER

STATIC = 345'

PETRA ENERGY / J. STAPLETON

SW/NE 10-30S-32W HASKELL CO.

Legend



PETRA ENERGY TH #1 ELEV=2892'

WR #8172 ELEV=2892'

PETRA ENERGY TH #2 ELEV=2887'

PETRA ENERGY TH #3 ELEV=2883'

Google Earth

1000 ft





Century GEOPHYSICAL CORP.

PETRA ENERGY

COMPANY : DOWNEY DRILLING INC
WELL : PFTRA ENERG
LOCATION/FIELD : TH#1
COUNTY : HASKELL
LOCATION : SE
SECTION : 10

OTHER SERVICES:

TOWNSHIP : 30S RANGE : 32W

DATE : 11/03/22
DEPTH DRILLER : 660
LOG BOTTOM : 650.90
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

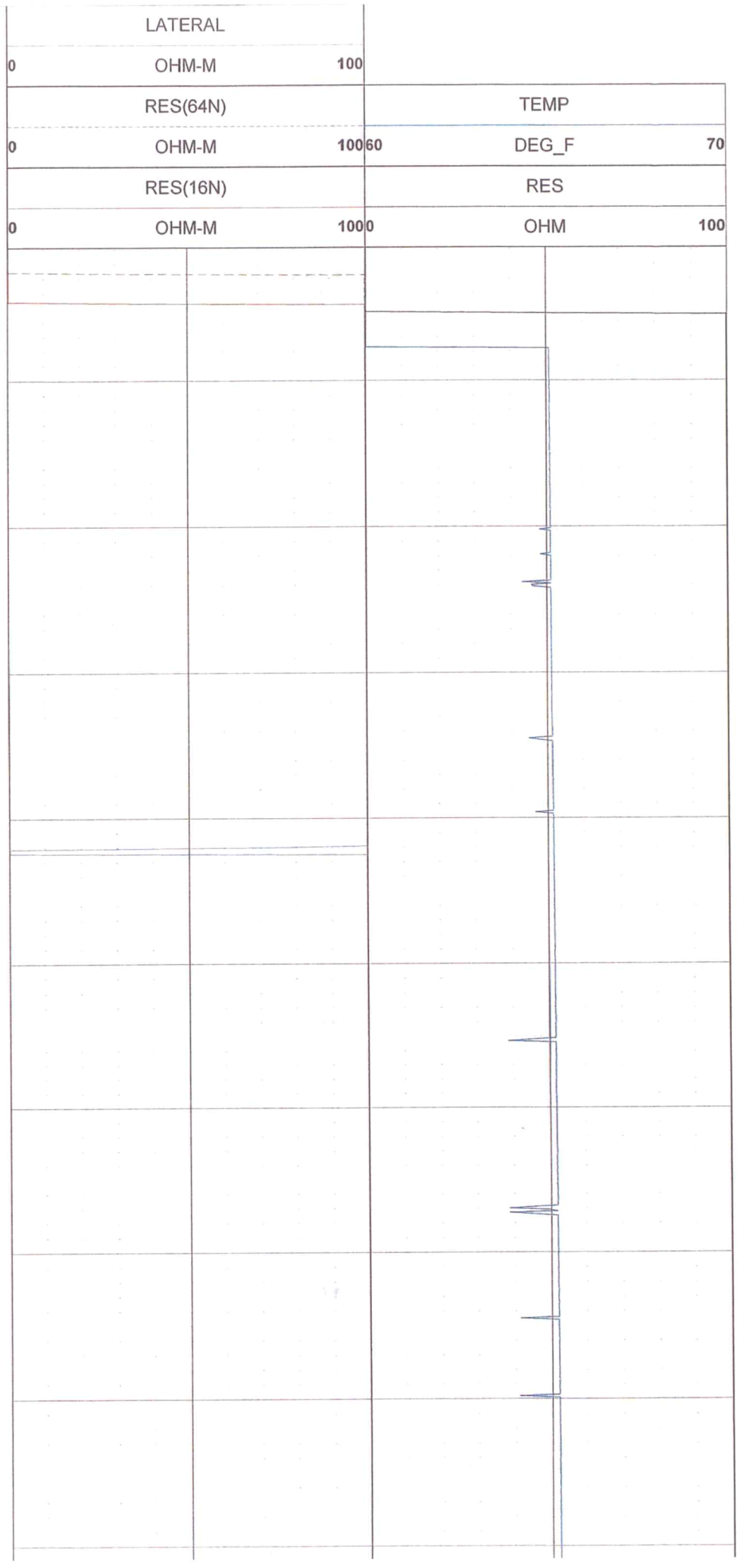
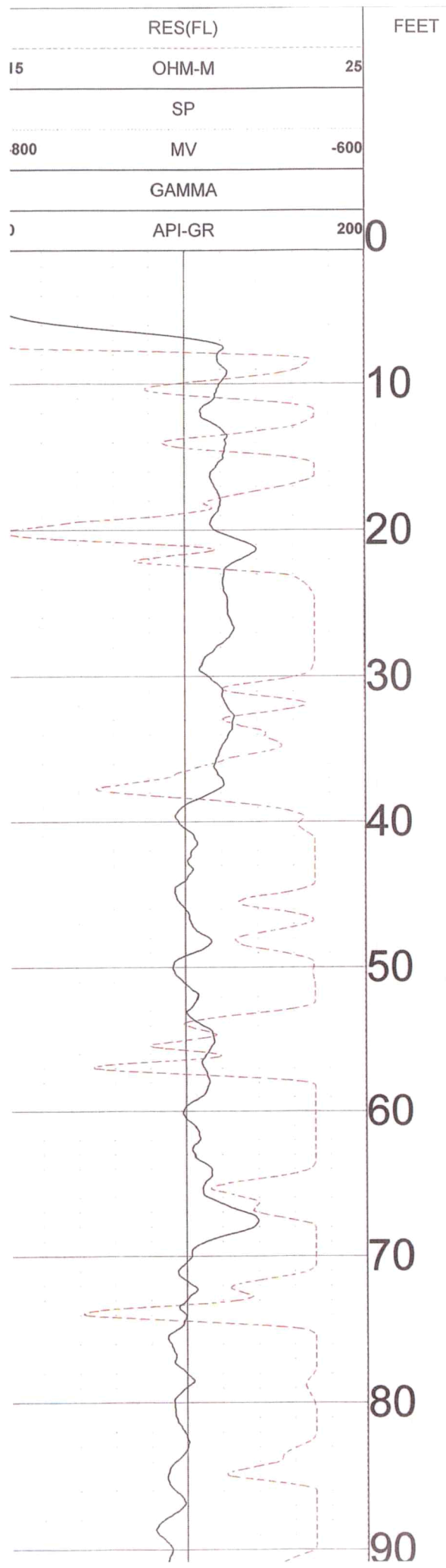
BIT SIZE : 6.25
MAGNETIC DECL. : 0
MATRIX DENSITY : 2.71
NEUTRON MATRIX : LIMESTON

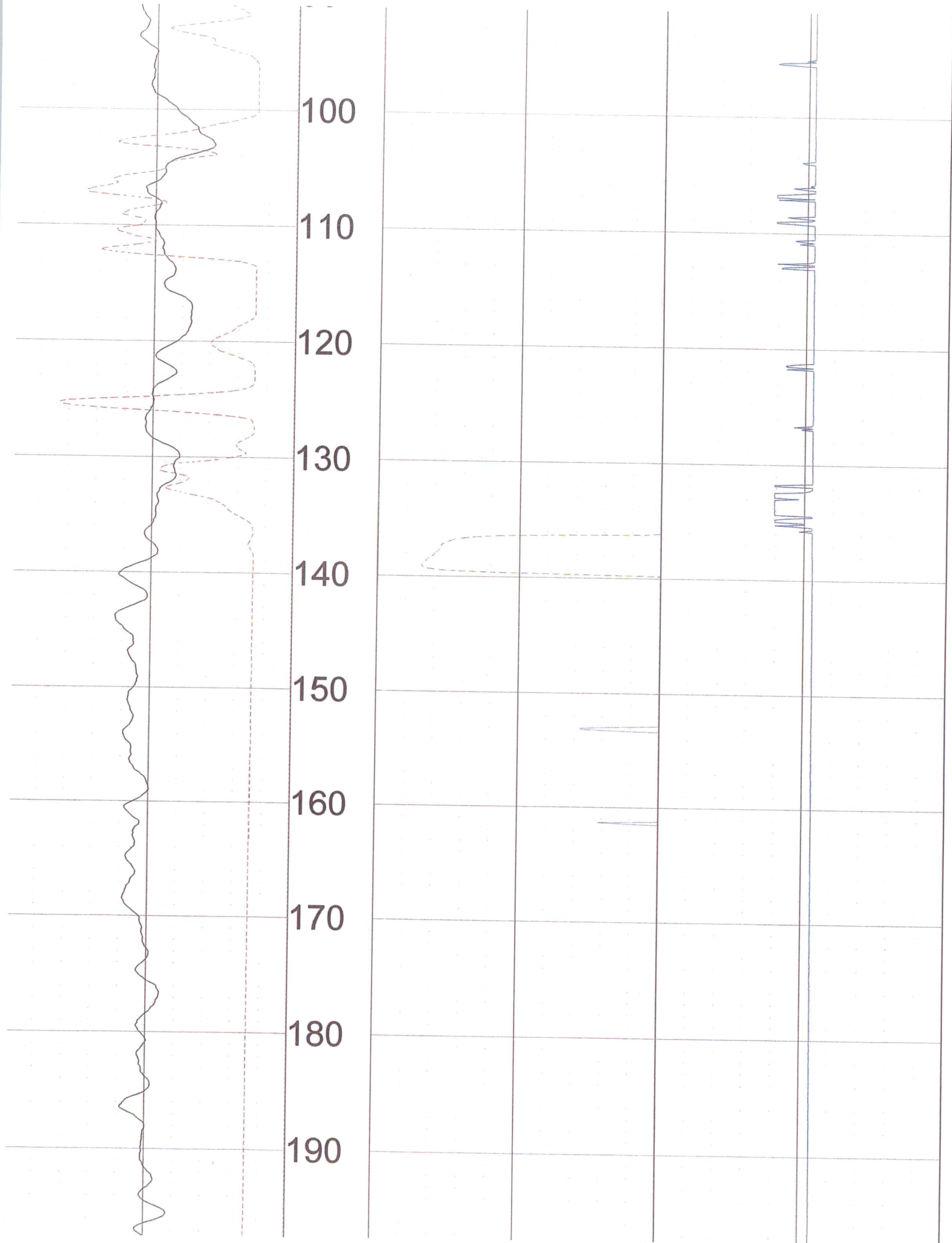
BOREHOLE FLUID : MUD
RM :
RM TEMPERATURE :
MATRIX DELTA T : 49

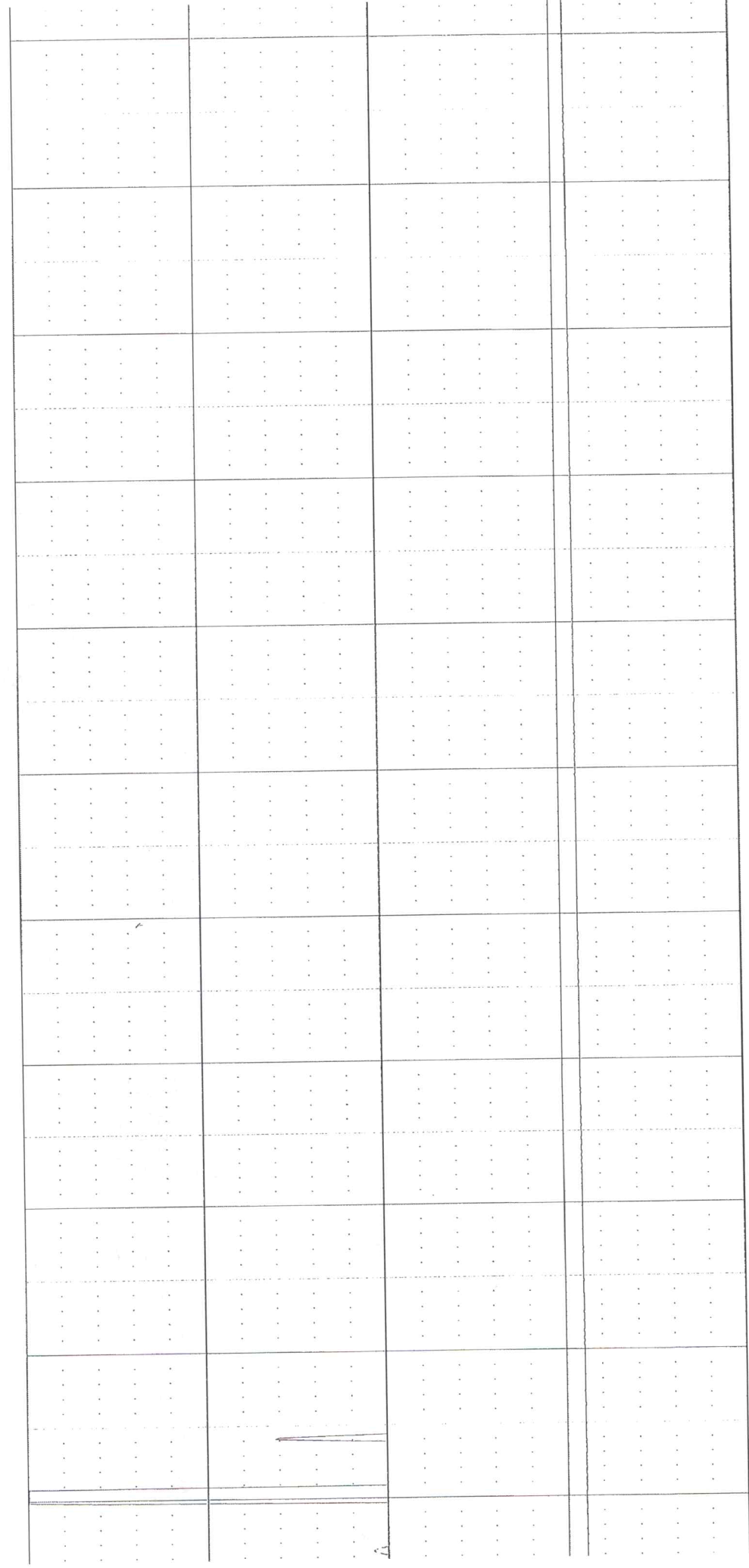
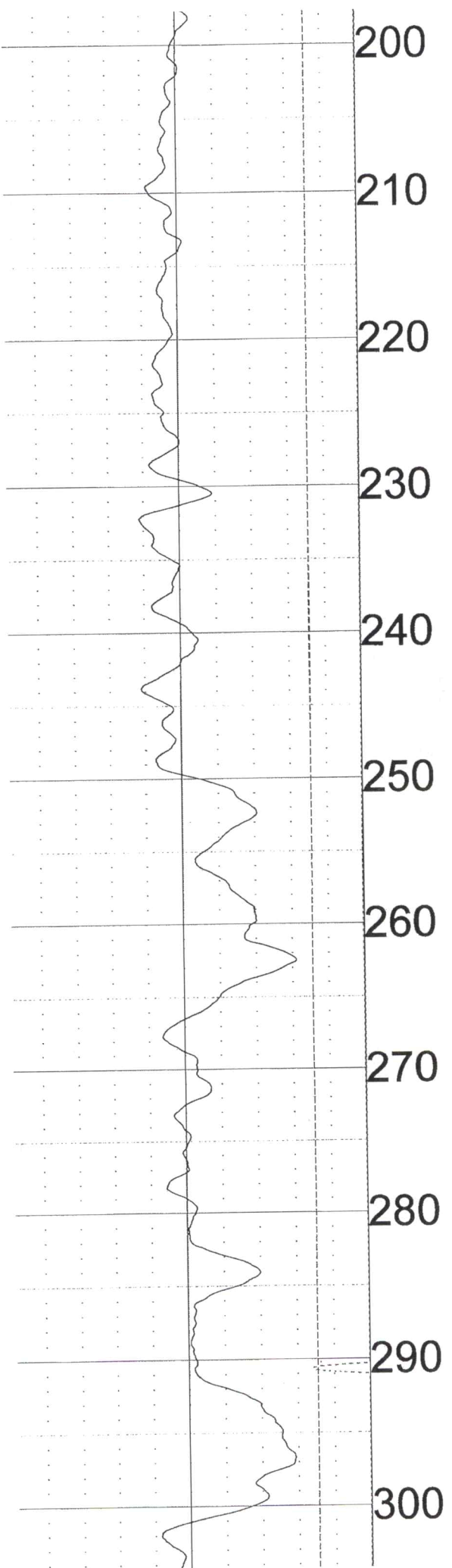
FILE : ORIGINAL
TYPE : 8144A
LGDATE: 11/03/22
LGTIME : 15:52:
THRESH: 99999

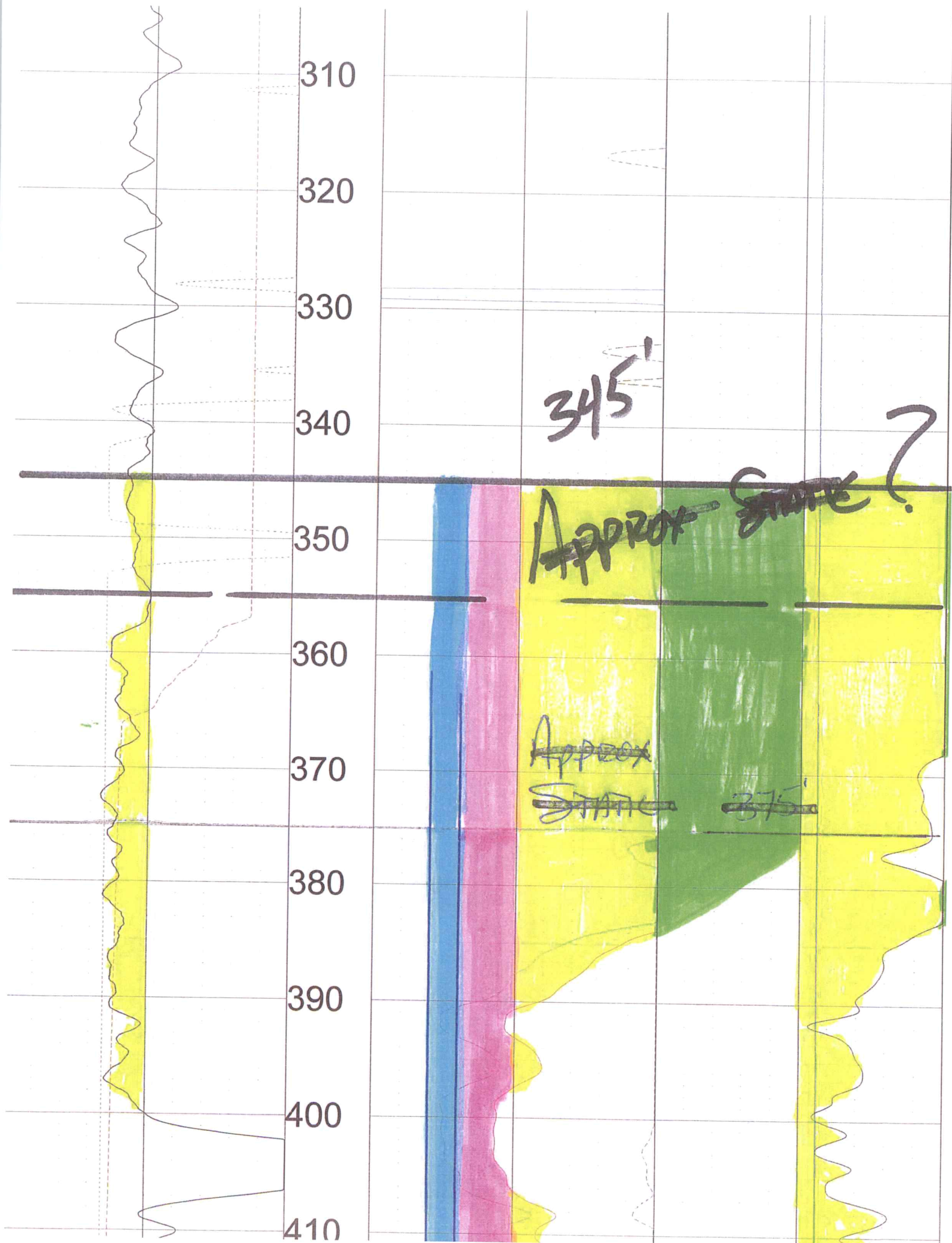
N 37.45314
W -100.80415

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS







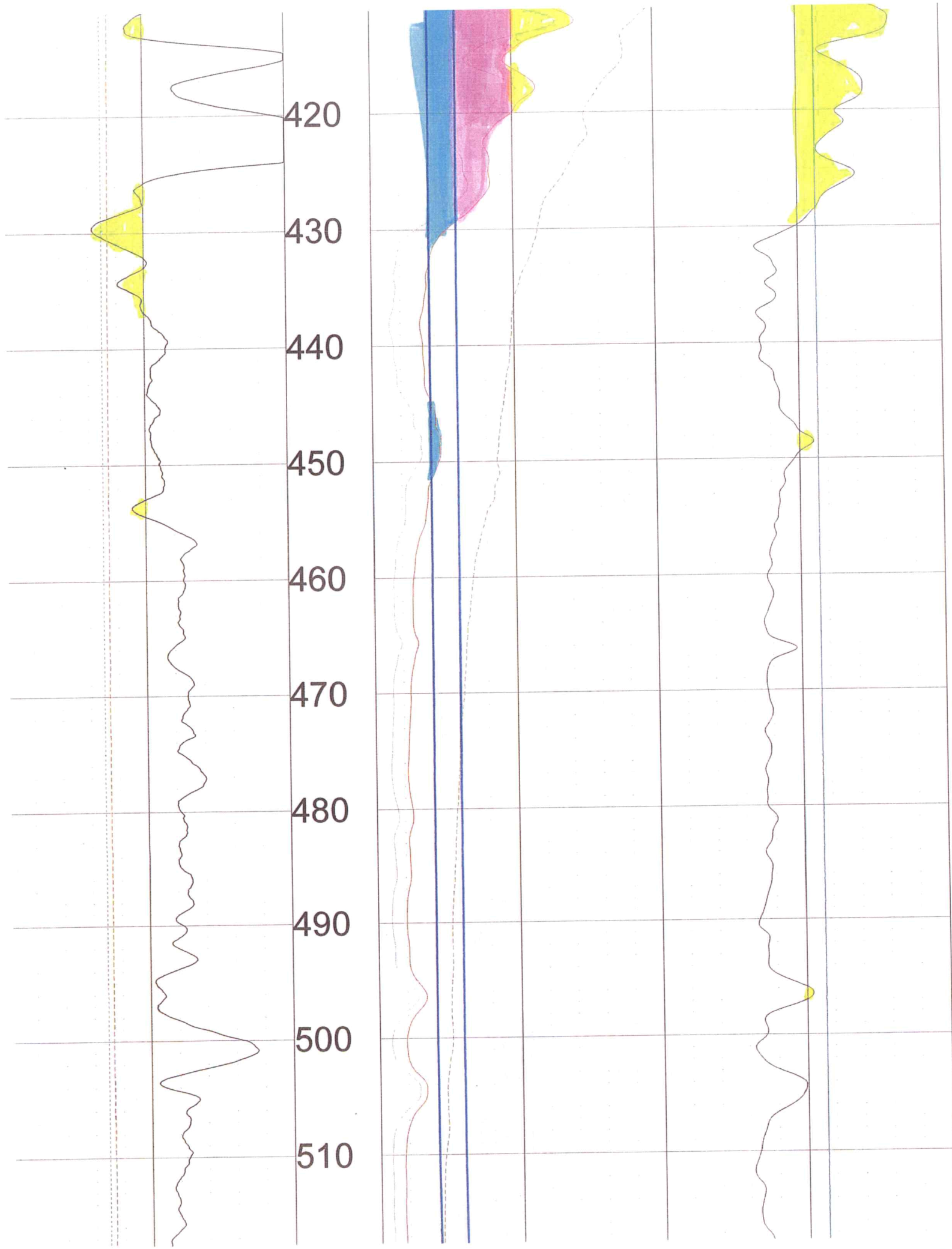


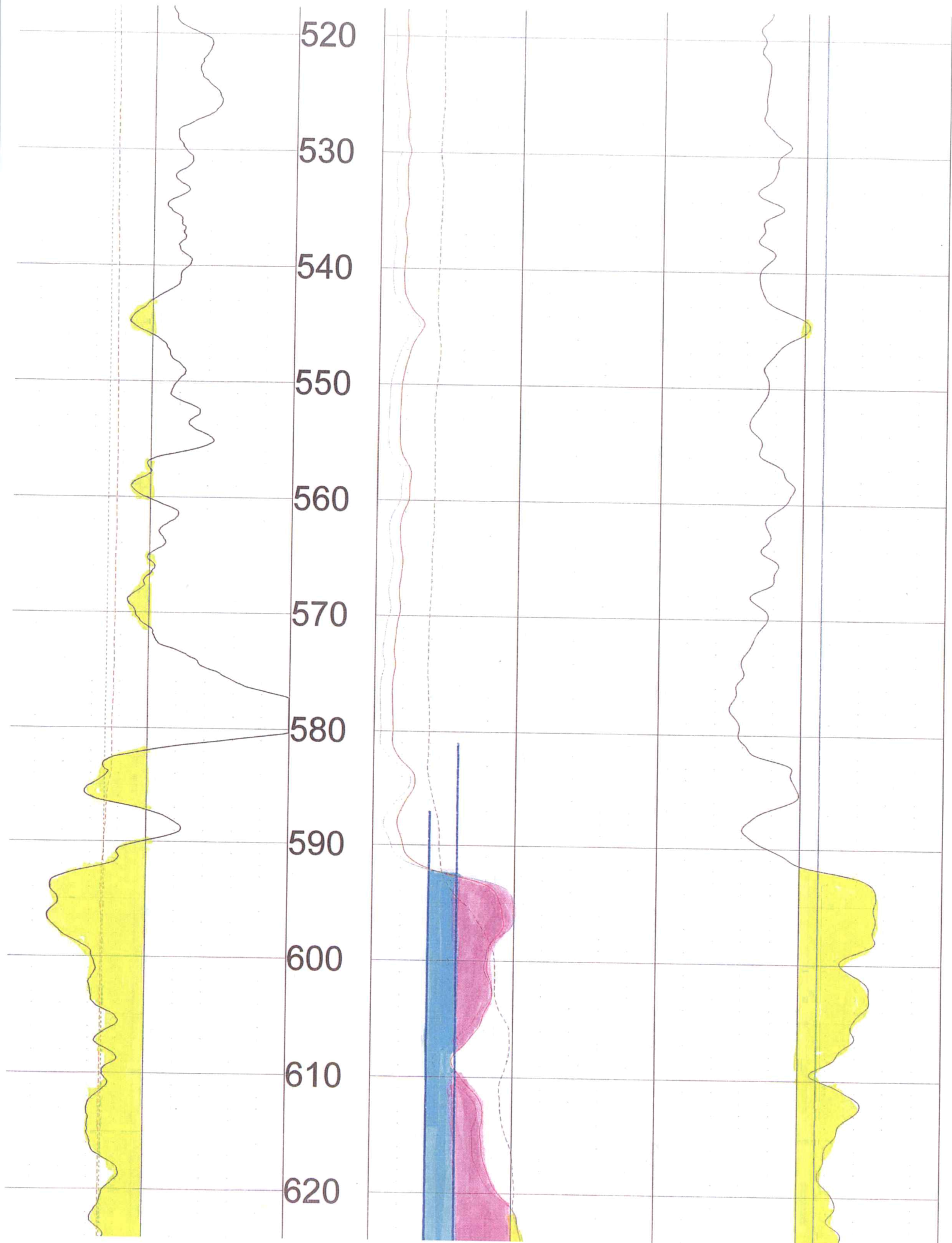
310
320
330
340
350
360
370
380
390
400
410

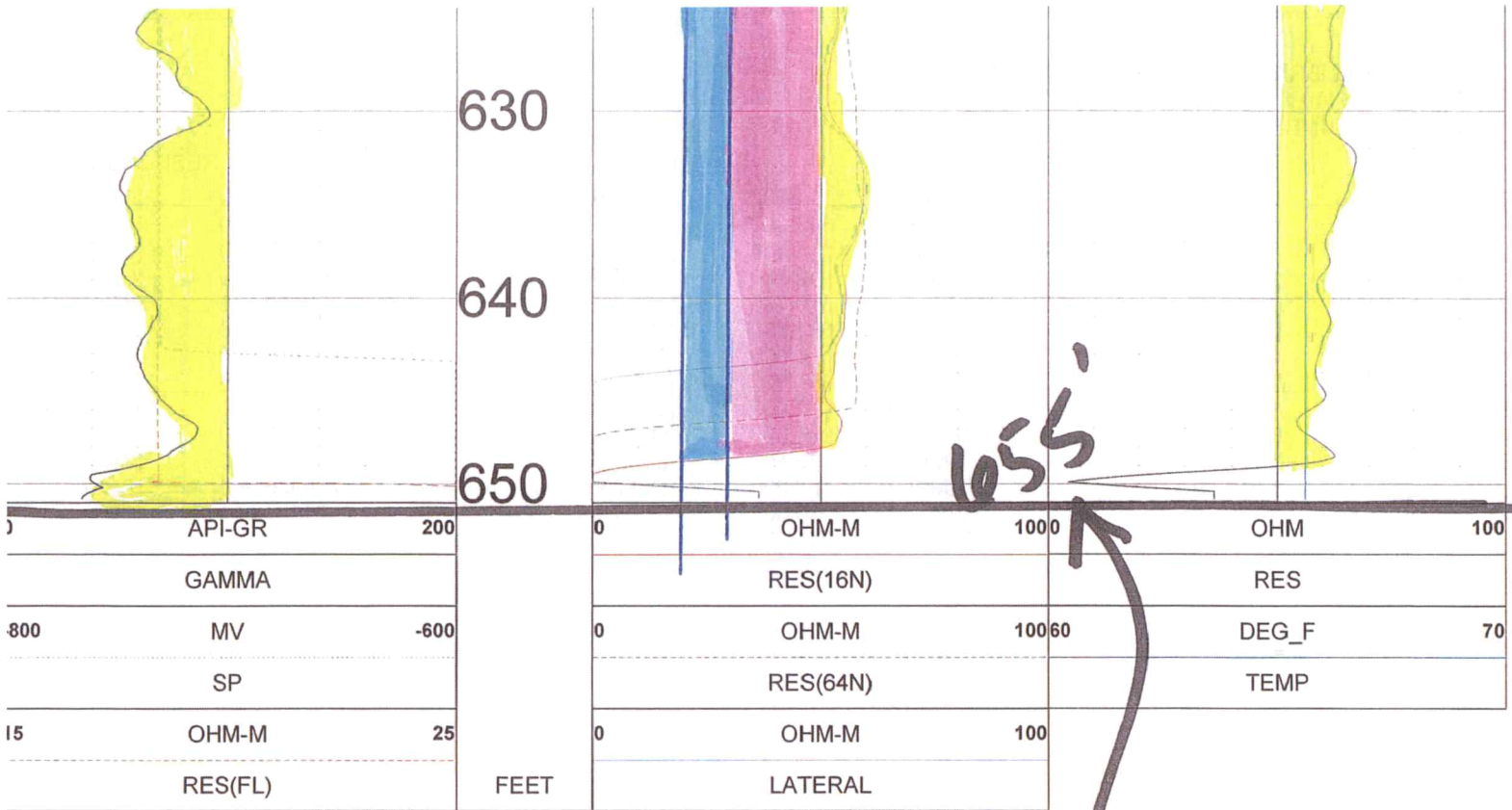
345'

~~APPROX STATE?~~

~~APPROX STATE?~~ 375'







TOOL CALIBRATION PETRA ENERGY 11/03/22 15:52

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]

JAY STAPLETON

NE/NW 10-30S-32W HASKELL CO.

Legend

200

PP

WR #27818 ELEV=2894'

J. STAPLETON TH #2 ELEV=2894'

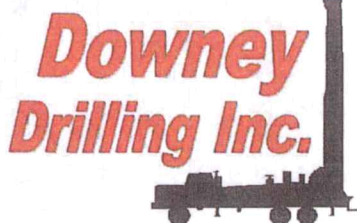
WR #5065 ELEV=2895'



WELL LOG

INFO ONLY

DATE: 11/7/2022



CUSTOMER NAME: JAY STAPLETON

TH #2

LEGAL: NW 10-30S-32W

COUNTY: HASKELL CO, KS

GPS: 37.460059

-100.807902

352' STATIC

DRILLER: ROCKY

WO: 22-593

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	2	TOP SOIL	SOFT	BLACK	FAST		SMOOTH
	2	45	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	45	58	SANDY CLAY W/ CALICHE	SOFT	TAN & WHITE	FAST		SMOOTH & CHOPPY
	58	60	GRAY CLAY	SOFT	GRAY	FAST		SMOOTH
	60	68	SANDY CLAY W/ FINE SAND	SOFT	TAN	FAST		SMOOTH & VIBRATION
	68	75	SANDY CLAY W/ CEMENTED SAND	FIRM	TAN & BROWN	FAST		SMOOTH & CHOPPY
	75	96	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER SMOOTH & VIBRATION
	96	117	SANDY CLAY W/ FINE SAND	SOFT	TAN	FAST		SMOOTH & VIBRATION
	117	128	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	128	139	FINE-MED-COARSE GRAVEL W/ BIG ROCKS	STIFF		FAST		CHATTER
	139	155	SANDY CLAY W/ CEMENTED SAND TRACE	FIRM	TAN & BROWN	FAST		SMOOTH & CHOPPY
	155	174	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	174	195	FINE-MED-COARSE GRAVEL	STIFF		FAST		CHATTER
	195	280	FINE-MED GRAVEL	FIRM		FAST		FAST CHATTER
	280	286	BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
	286	343	FINE-MED GRAVEL	FIRM		FAST		FAST CHATTER
	343	355	BLUE CLAY	SOFT	BLUE	FAST		SMOOTH
	355	387	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	387	406	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	406	435	SANDY CLAY W/ LIME ROCK	FIRM	TAN & WHITE	FAST		SMOOTH & CHOPPY
	435	455	YELLOW SOAPSTONE W/ SANDSTONE & BROWN ROCK TRACE	FIRM	YELLOW & BROWN	FAST		CHOPPY
	455	460	WEATHERED SHALE	SOFT	GRAY & YELLOW	SLOW		SMOOTH
	460	585	SHALE	SOFT	BLUE	SLOW		SMOOTH
	585	658	SANDSTONE W/ SOAPSTONE & FINE SAND	STIFF	WHITE	FAST		FAST CHATTER
	658	660	GREEN CLAY	HARD	GREEN	SLOW		CHATTER
	660	680	RED BED	HARD	RED	SLOW	X	CHATTER
			QG - 7					
			WATER LOADS - 2					
			SA - 1/2					
			BRAN - 2					
			EZ MUD GOLD - 1 CUP					
			HOLE PLUG - 2					
			CS - 1					

*MEASURED
352'*

*ESTIMATED
STATIC*



Century GEOPHYSICAL CORP.

JAY STAPLETON

COMPANY : DOWNEY DRILLING INC
WELL : JAY STAPLETO
LOCATION/FIELD : TH#2
COUNTY : HASKELL
LOCATION : NW
SECTION : 10

OTHER SERVICES:

TOWNSHIP : 30S RANGE : 32W

DATE : 11/07/22
DEPTH DRILLER : 680
LOG BOTTOM : 682.00
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: 11/07/22
LGTIME : 17:51:
THRESH: 99999

N 37.46005
W -100.80790

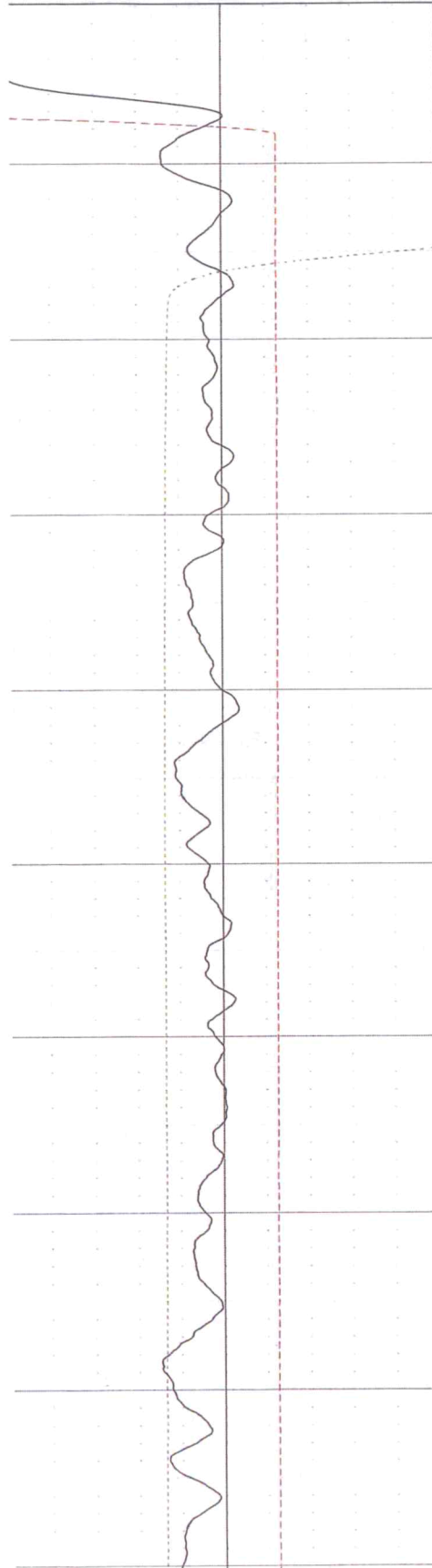
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

	RES(FI)	
5	OHM-M	15
	SP	
-800	MV	-600
	GAMMA	
0	API-GR	200

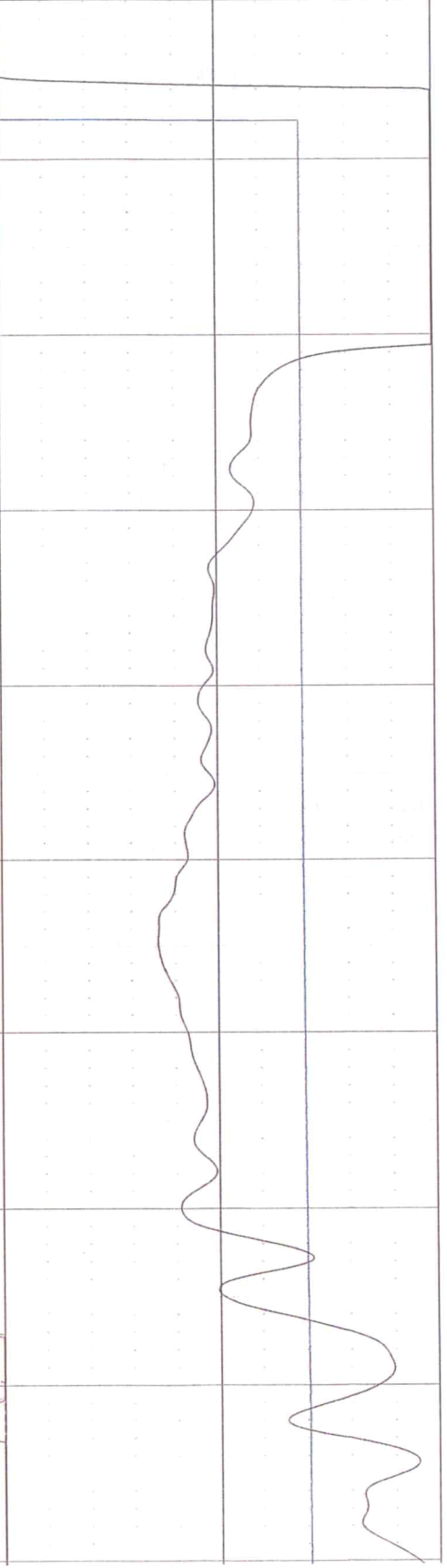
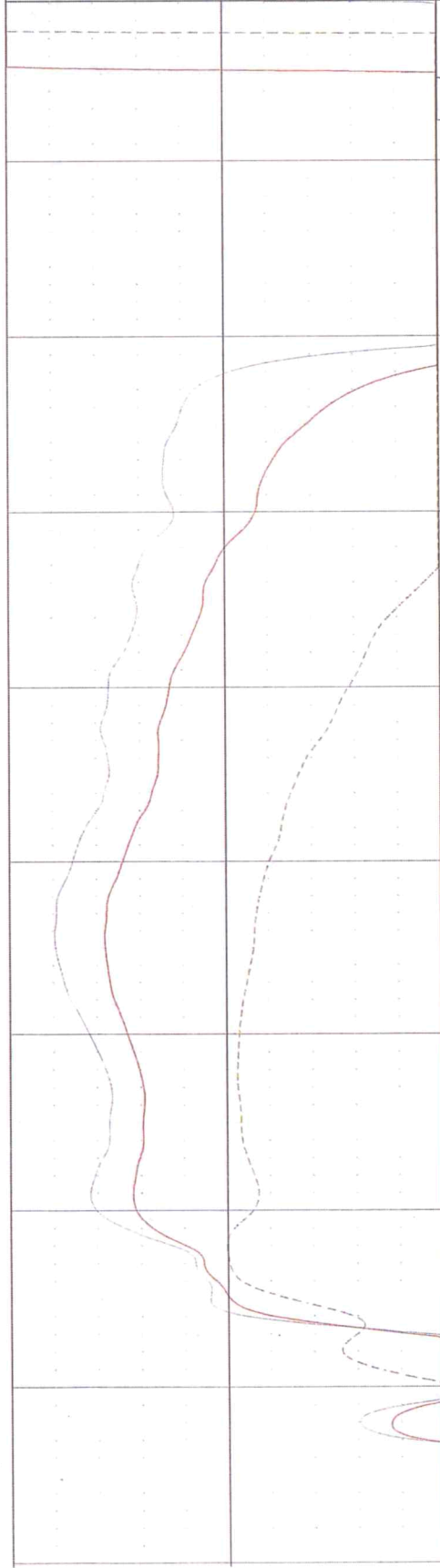
FEET

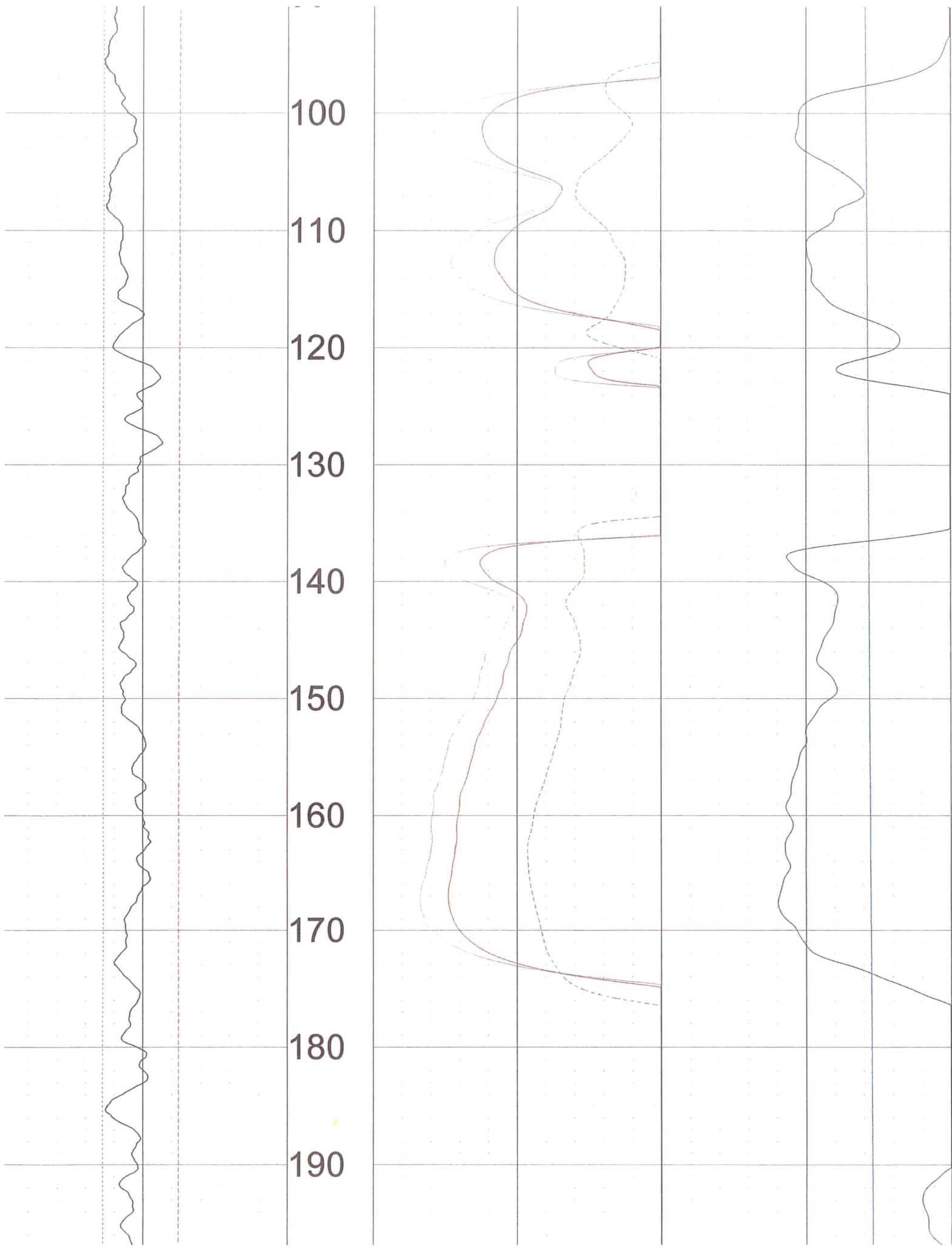
	LATERAL	
0	OHM-M	100
	RES(64N)	
0	OHM-M	10060
	RES(16N)	
0	OHM-M	1000

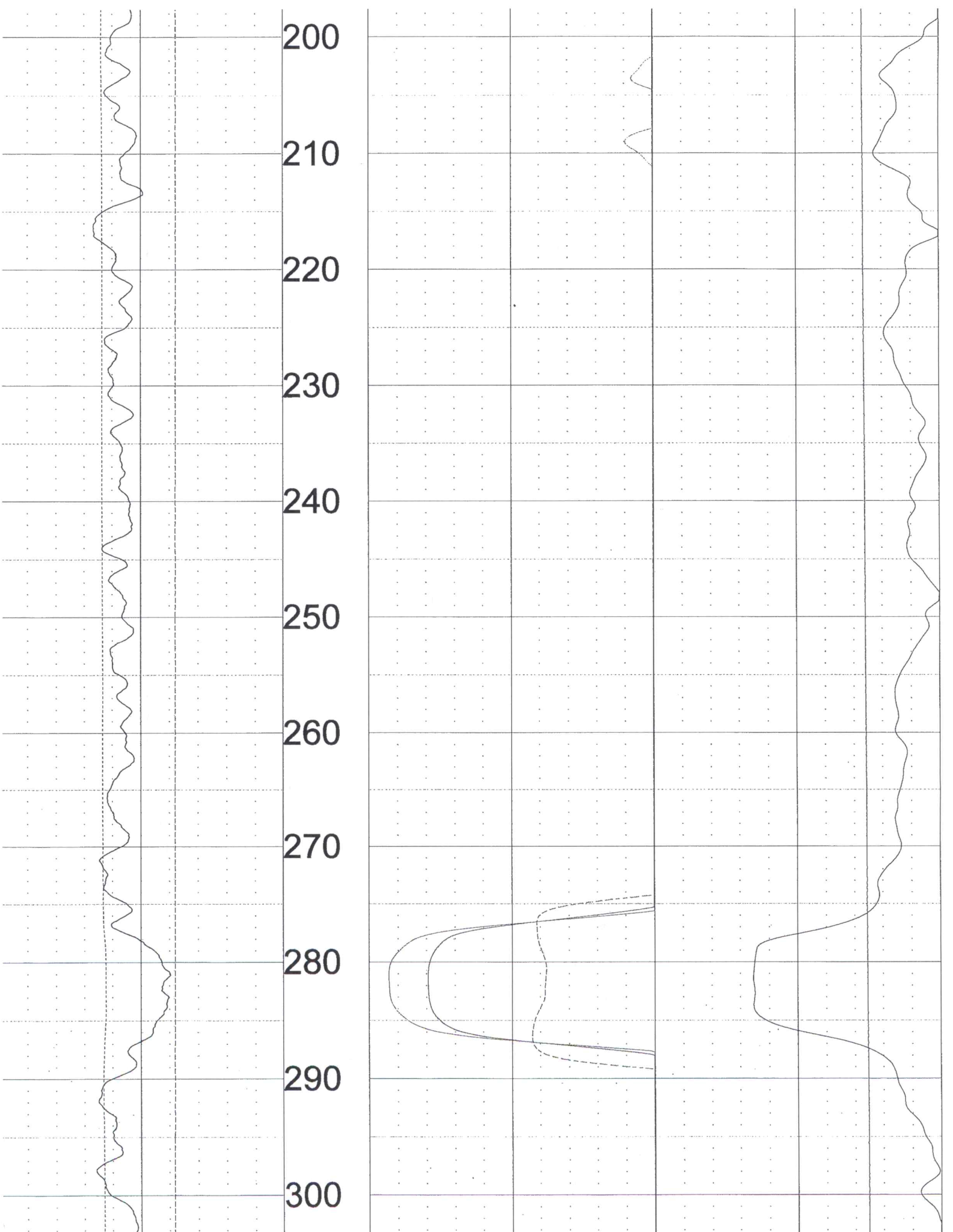
	TEMP	
	DEG_F	70
	RES	
	OHM	80



0
10
20
30
40
50
60
70
80
90









310

320

330

340

350

APPROX STATIC

360

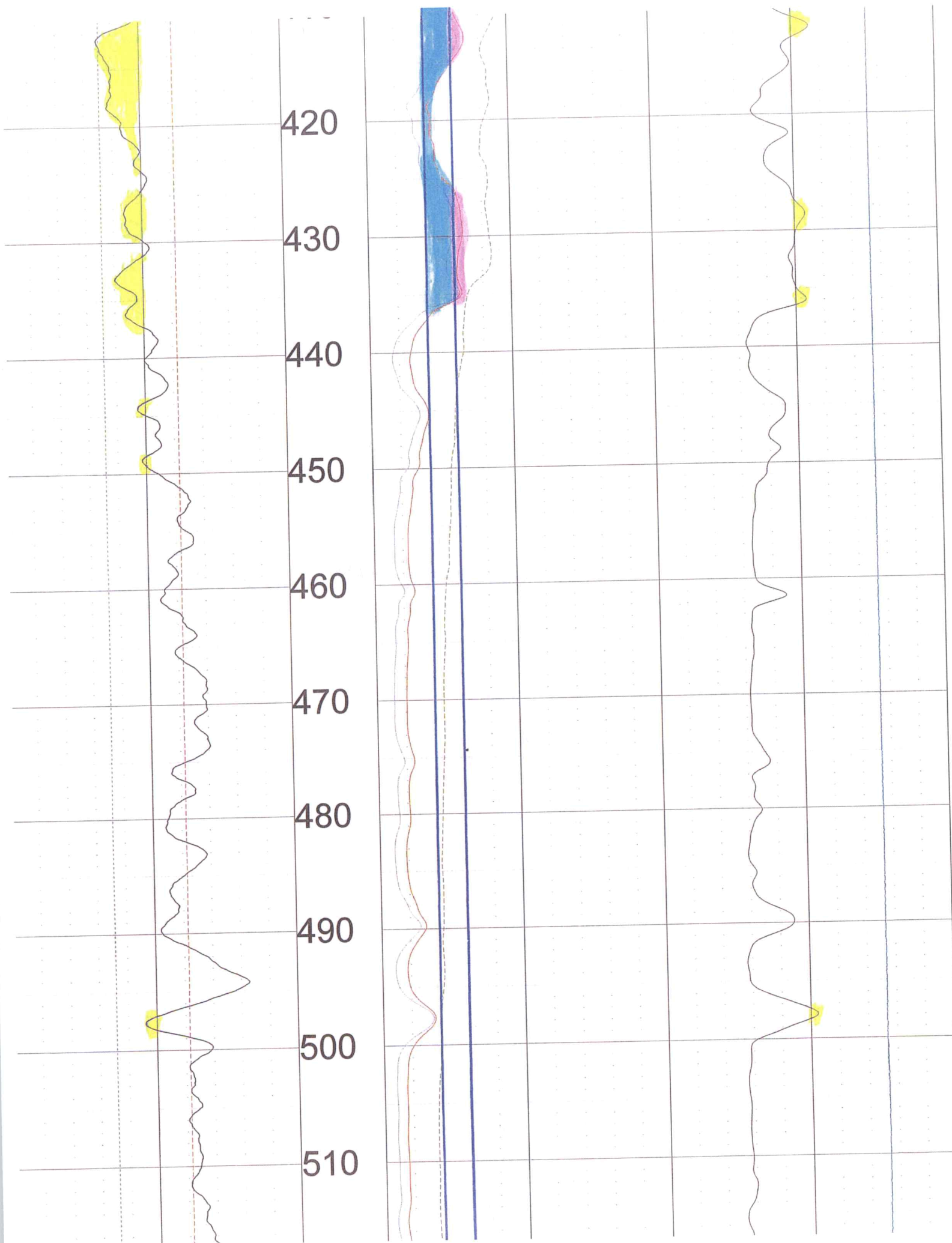
370

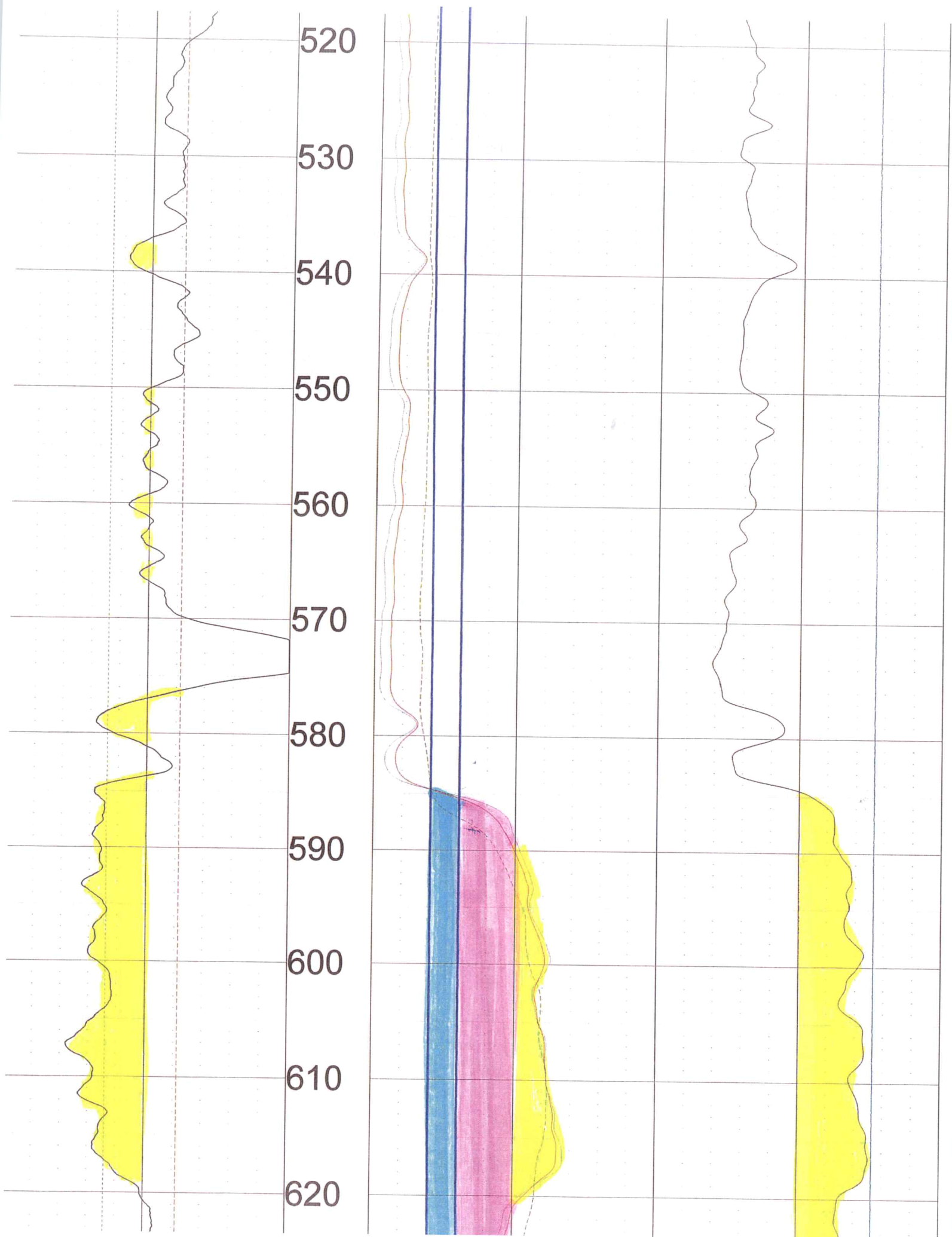
380

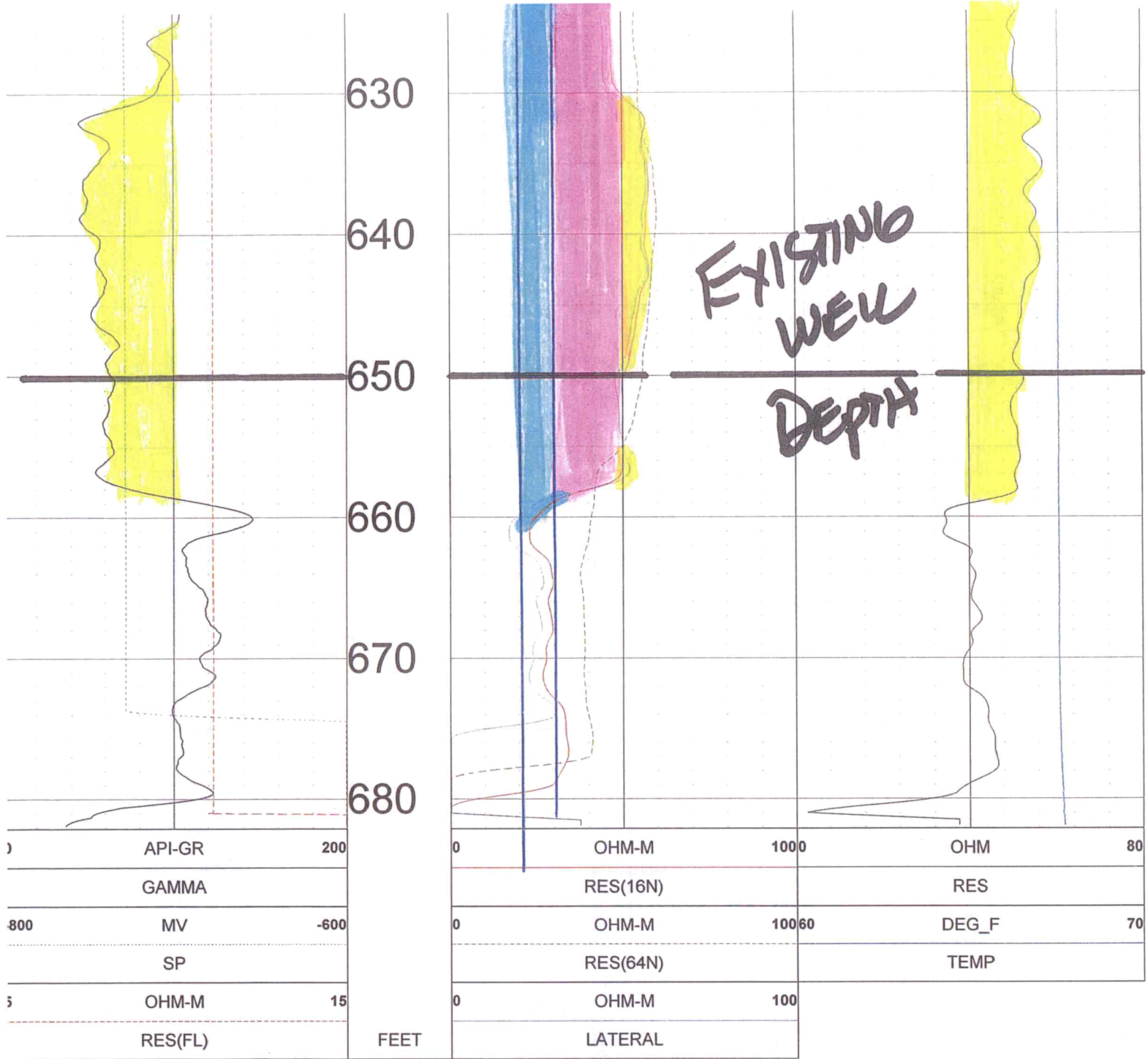
390

400

410







TOOL CALIBRATION JAY STAPLETON 11/07/22 17:51

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]
