

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

1. File Number: 26082	2. Status Change Date:	3. Change Num: C4	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: 4/17/2023
8a. Applicant(s) New to system <input type="checkbox"/> DUANE E & KATHLEEN A KOSTER TRUSTS PO BOX 897 GARDEN CITY, KS 67846-0897		Person ID 34535 Add Seq# _____	8c. Landowner(s) New to system <input type="checkbox"/> Person ID _____ Add Seq# _____	
8b. Landowner(s) New to system <input type="checkbox"/> 8a		Person ID _____ Add Seq# _____	8d. WUC New to system <input type="checkbox"/> 8a	
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 checked="" 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: 4/18/2023 By: AM Date Entered: _____ By: _____				

File No. **26082** 11. County: FI Basin: **ARKANSAS RIVER** Stream: Formation Code: **211/331** Special Use:

12. Points of Diversion										Rate and Quantity							
CHK	MOD	DEL	ENT	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Authorized		Additional		Overlap PD Files
													Rate gpm	Quantity af	Rate gpm	Quantity af	
CHK																	
CHK																	
DEL																	
ENT					NW NE NW	30	25S	34W		5278	3735		800	272	800	272	NONE
CHK																	

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										NE¼								NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
CHK	MOD	DEL	ENT	PUSE	S	T	R	ID		NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼								
CHK																																	
CHK																																	
CHK																																	
CHK																																	

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

April 18, 2023

DUANE E & KATHLEEN A KOSTER TRUSTS
PO BOX 897
GARDEN CITY, KS 67846-0897

RE: Filed Office Application for Change
Water Right, File No. 26082

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, appearing to read "Austin J. McColloch".

Austin J. McColloch
Assistant Water Commissioner

AM:
enclosures

pc:

CERTIFICATE OF SERVICE

On this 18th day of April, 2023, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 26,082 dated 18th day of April, 2023 was mailed postage prepaid, first class, US mail to the following:

DUANE E & KATHLEEN A KOSTER TRUSTS
PO BOX 897
GARDEN CITY, KS 67846-0897

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.

File No. 26082

RECEIVED
 2:51 pm
 APR 17 2023

1. Application is hereby made for approval of the Chief Engineer to change the (check one or both):

- Place of Use Point of Diversion

Garden City Field Office
 Division of Water Resources

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: DUANE E & KATHLEEN A KOSTER TRUSTS
PO BOX 897, GARDEN CITY, KS 67846-0897

Phone Number: () Email address: _____

Name and address of Water Use Correspondent: NO CHANGE

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 4-17-23 Check # 000387

5. **Presently authorized point of diversion:**
 One in the NW Quarter of the NE Quarter of the NW Quarter of Section 30, Township 25 South, Range 34 W, in FI County, Kansas, 5215 feet North 3348 feet West of Southeast corner of section.
 Authorized Rate --- Authorized Quantity --- Depth of well --- (feet)
(DWR use only: Computer ID No. 05 GPS 5278 feet North 3458 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 NE Quarter of the NW Quarter of Section 30, Township 25 South, Range 34 W, in FI County, Kansas, 5278 feet North 3735 feet West of Southeast corner of section.
 Proposed Rate --- Proposed Quantity --- Proposed well depth (feet) 590
 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 NC Quarter of the NE Quarter of Section 30, Township 25 South, Range 34 W, in FI County, Kansas, 3960 feet North 1605 feet West of Southeast corner of section.
 Authorized Rate --- Authorized Quantity --- Depth of well --- (feet)
(DWR use only: Computer ID No. 01 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) _____

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

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

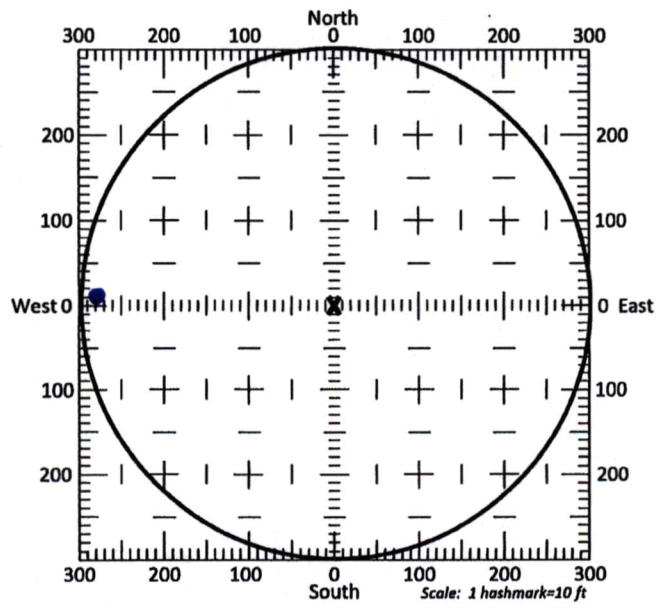
10. If the point of diversion is a well:
 (a) What are you going to do with the old well?

 (b) When will this be done? _____

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by MM/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.)

APPLICATION FOR APPROVAL TO CHANGE
THE PLACE OF USE AND/OR POINT OF DIVERSION
SUPPLEMENTAL SHEET
FILE NO. 26082

Presently authorized point of diversion:

One in the _____ Quarter of the NE NC Quarter of the SE Quarter
of Section 30, Township 24 South, Range 35 W,
in FI County, Kansas, 1320 feet North 1360 feet West of Southeast corner of section.
Authorized Rate _____ Authorized Quantity _____ Depth of well 03 (feet)
(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:

Proposed point of diversion: (Complete only if change is requested)

One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
This point is: Additional Well Geo Center List other water rights that will use this point _____

Presently authorized point of diversion:

One in the SW Quarter of the NE Quarter of the SW Quarter
of Section 30, Township 25 South, Range 34 W,
in FI County, Kansas, 1707 feet North 3816 feet West of Southeast corner of section.
Authorized Rate _____ Authorized Quantity _____ Depth of well 06 (feet)
(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:

Proposed point of diversion: (Complete only if change is requested)

One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
This point is: Additional Well Geo Center List other water rights that will use this point _____

Presently authorized point of diversion:

One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:

Proposed point of diversion: (Complete only if change is requested)

One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
This point is: Additional Well Geo Center List other water rights that will use this point _____

Presently authorized point of diversion:

One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:

Proposed point of diversion: (Complete only if change is requested)

One in the _____ Quarter of the _____ Quarter of the _____ Quarter
of Section _____, Township _____ South, Range _____ (E/W),
in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
This point is: Additional Well Geo Center List other water rights that will use this point _____

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 17 day of April, 2023.

[Signature]

 (Owner)
Duane E. Foster

 (Please Print)

[Signature]

 (Spouse)
Kathleen A. Foster

 (Please Print)

 (Owner)

 (Please Print)

 (Owner)

 (Please Print)

 (Spouse)

 (Please Print)

 (Spouse)

 (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 17 day of April, 2023.

[Signature]

 Notary Public

My Commission Expires 4-7-2025.

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. 26082.

1. A change application was received on April 17, 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

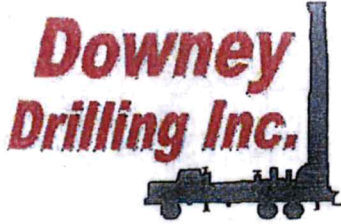
FOR OFFICE USE ONLY
**APPLICATION APPROVED AND
SUMMARY ORDER ISSUED**

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: April 18, 2023
State of Kansas)
County of Stinson) SS
Acknowledged before me on April 18, 2023
by Austin McColloch
Signature: Julie Jones
Notary Public
My commission expires: _____



WELL LOG

DATE: 3/20/2023



CUSTOMER NAME: SOUTHWEST AG, DUANE KOSTER *G-21*

TH#1

LEGAL: NW 30-25S-34W

COUNTY: FINNEY CO, KS

GPS: 37.857854

-101.098357

DRILLER: DIEGO

WO: 22-1448

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	9	SURFACE SAND	SOFT	LIGHT BROWN	FAST		SMOOTH
	9	23	BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	23	29	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	29	35	SANDY CLAY W/ CALICHE	SOFT	BROWN & WHITE	FAST		CHOPPY
	35	90	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	90	109	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	109	125	FINE-MED GRAVEL	STIFF		FAST		FAST CHATTER
	125	148	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	148	152	BLACK CLAY	SOFT	BLACK	FAST		SMOOTH
	152	184	SANDY CLAY W/ FINE SAND	SOFT	BROWN	FAST		SMOOTH & VIBRATION
	184	216	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
	216	221	LIGHT GRAY CLAY	SOFT	LIGHT GRAY	FAST		SMOOTH
	221	295	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
	295	321	SANDY CLAY W/ FINE-MED SAND	SOFT	TAN	FAST		SMOOTH & CHOPPY
	321	331	BROWN CLAY	STICKY	BROWN	FAST		SMOOTH
	331	375	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		CHOPPY
	375	385	BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	385	412	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	412	424	BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
	424	433	FINE-MED SAND W/ LIME ROCK	FIRM	WHITE	FAST		FAST CHATTER
	433	445	FINE-MED-COARSE SAND W/ BROWN ROCK & LIME ROCK	STIFF	BROWN & WHITE	FAST		FAST CHATTER
X	445	470	BIG DRINK BROWN ROCK W/ SANDSTONE & FINE SAND	STIFF	BROWN & YELLOW	FAST		FAST CHATTER
	470	485	FINE SAND W/ SOAPSTONE & BROWN ROCK	FIRM	BROWN	FAST		CHOPPY
	485	491	GRAY CLAY W/ SOAPSTONE	SOFT	GRAY	SEMI SLOW		SMOOTH & VIBRATION
	491	493	HARD SPOT	HARD		SLOW	X	CHATTER
	493	502	GRAY CLAY	SOFT	GRAY	SLOW		SMOOTH
	502	504	IRON PYRITE	HARD		SLOW	X	CHATTER
	504	509	SOAPSTONE W/ FINE SAND	SOFT	GRAY	FAST		VIBRATION
	509	531	GRAY CLAY	SOFT	GRAY	SLOW		SMOOTH
	531	532	HARD SPOT	HARD		SLOW		CHATTER
	532	553	GRAY CLAY	SOFT	GRAY	SLOW		SMOOTH
	553	574	SOAPSTONE W/ FINE SAND	SOFT	GRAY	FAST		VIBRATION
	574	576	HARD SPOT	HARD		SLOW		CHATTER
	576	590	SOAPSTONE W/ FINE SAND & SANDSTONE	FIRM	GRAY	FAST		CHOPPY
	590	604	SOAPSTONE W/ FINE SAND	SOFT	GRAY	FAST		VIBRATION

APPROX
 STATIC
 EXISTING
 WELL DEPTH
 375'



Century GEOPHYSICAL CORP.

SOUTHWEST AG, DUANE KOSTER

COMPANY : DOWNEY DRILLING INC
WELL : SOUTHWEST AG, DUANE KOSTE
LOCATION/FIELD : G-21 TH#
COUNTY : FINNEY
LOCATION : NW
SECTION : 30

OTHER SERVICES:

TOWNSHIP : 25S RANGE : 34W

DATE : 03/20/23
DEPTH DRILLER : 640
LOG BOTTOM : 636.20
LOG TOP : 1.00

PERMANENT DATUM : GL
LOG MEASURED FROM: GL
DRL MEASURED FROM: GL

KB :
DF :
GL :

CASING DIAMETER : 10.
CASING TYPE :
CASING THICKNESS:

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

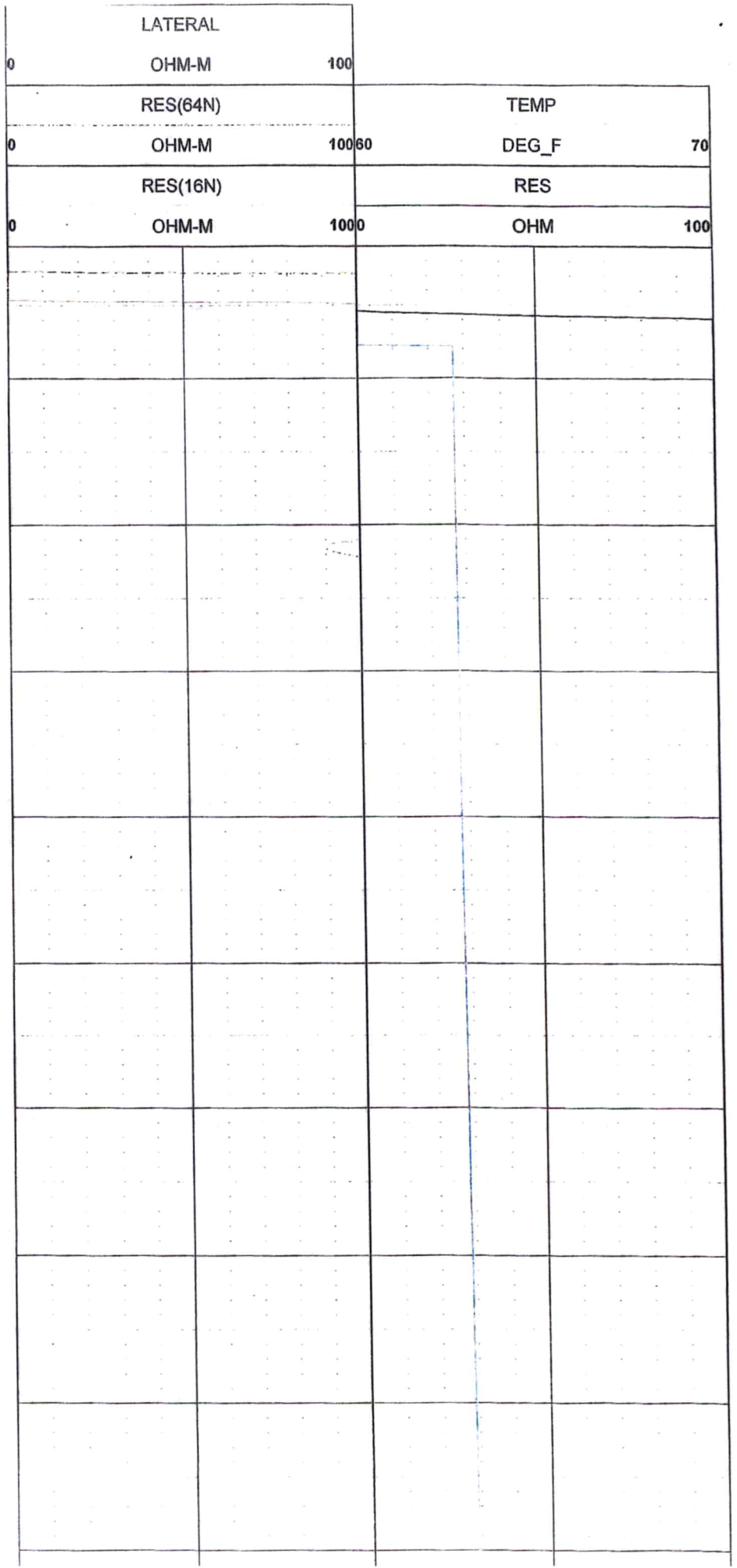
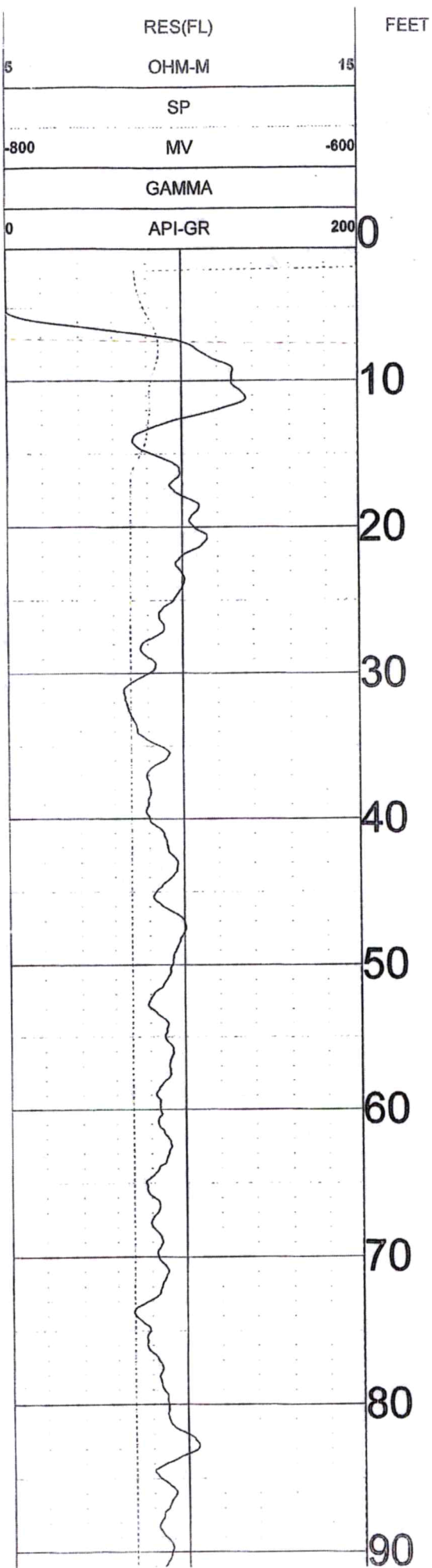
BIT SIZE : 6.25 "
MAGNETIC DECL. : 0
MATRIX DENSITY : 2.71
NEUTRON MATRIX : LIMESTON

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

FILE : ORIGINAL
TYPE : 8144A
LGDATE: 03/20/23
LGTIME : 16:45:
THRESH: 99999

N 37.85785
W -101.09835

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



100

110

120

130

140

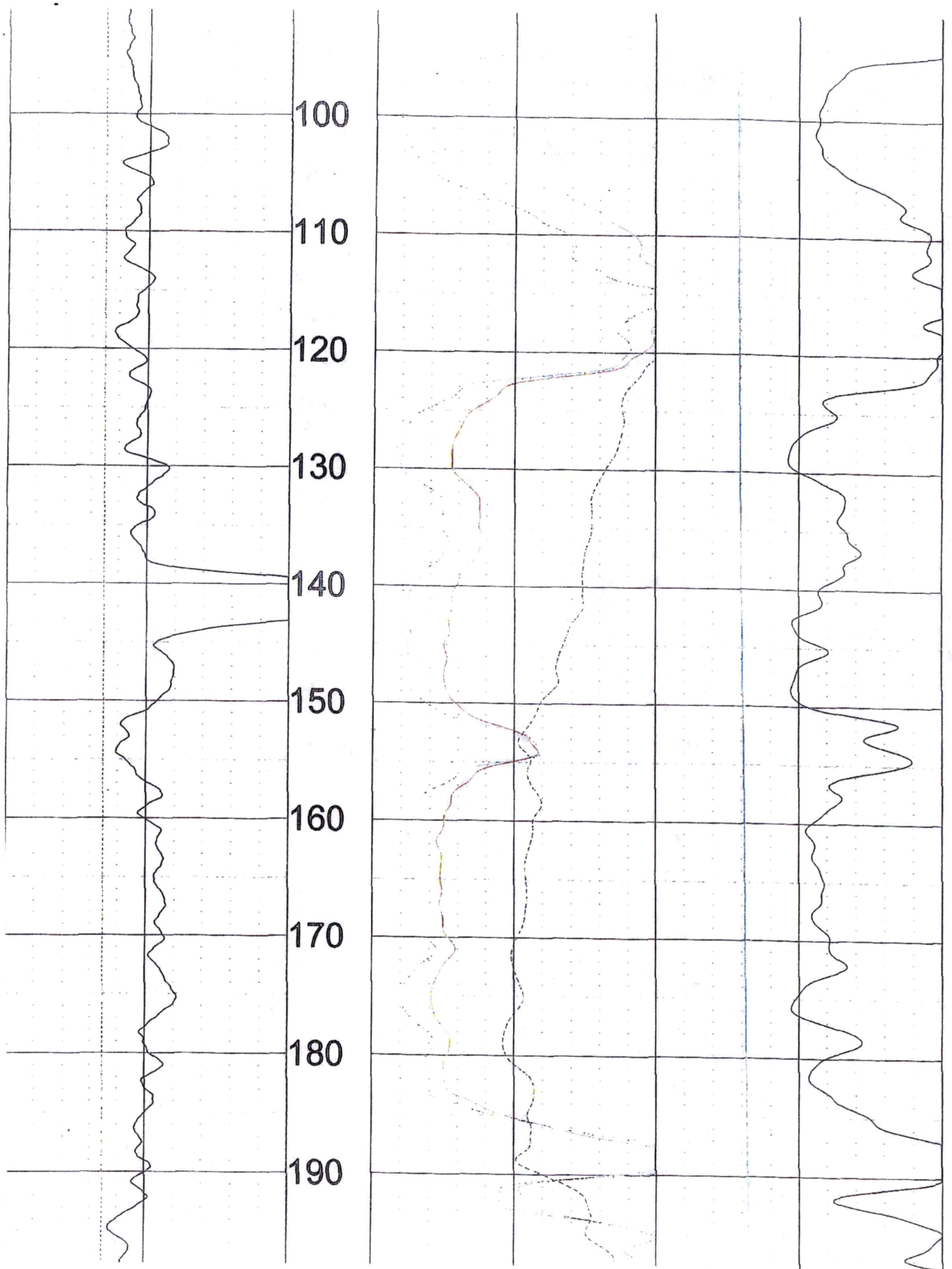
150

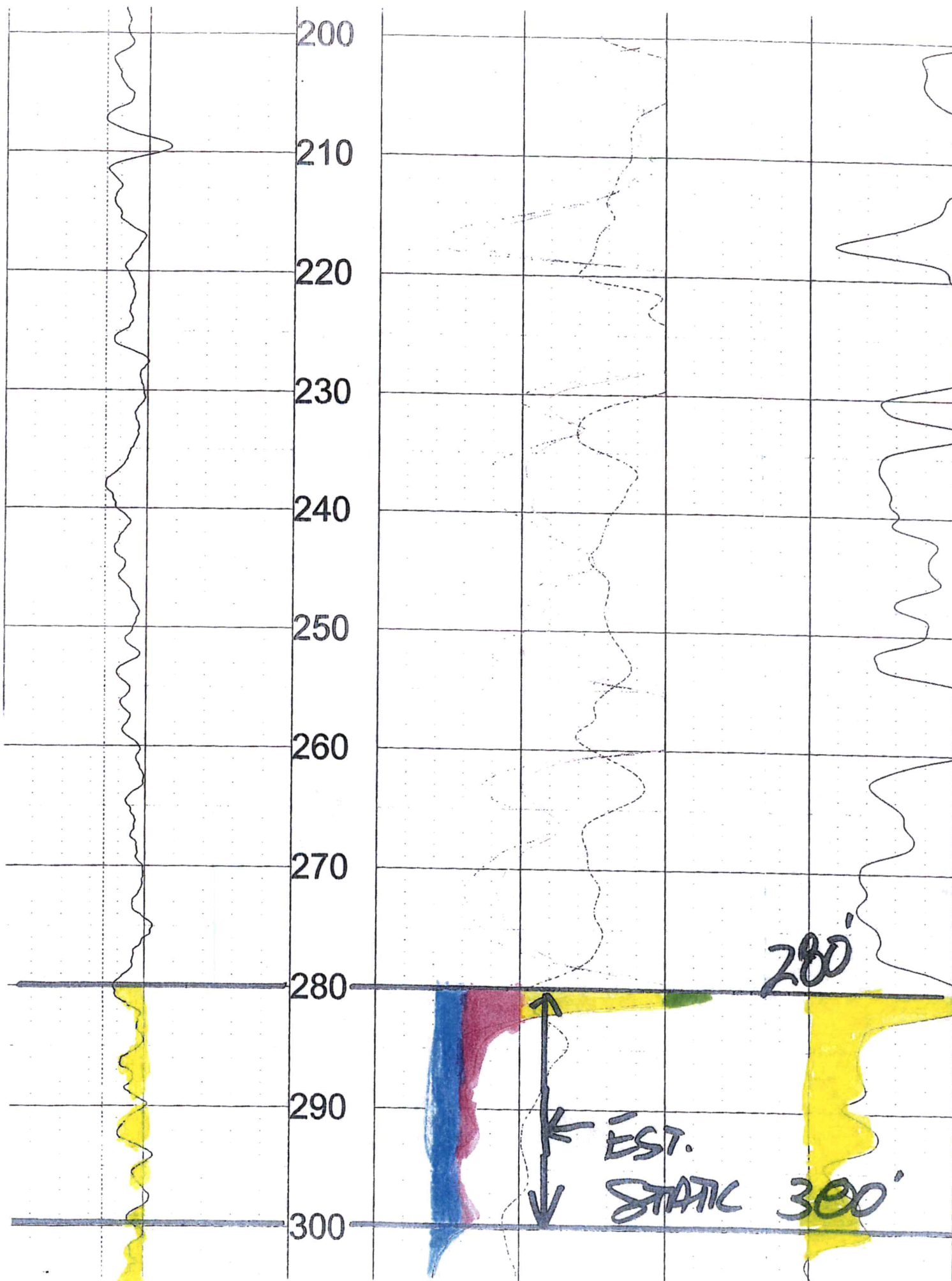
160

170

180

190





310

320

330

340

350

360

370

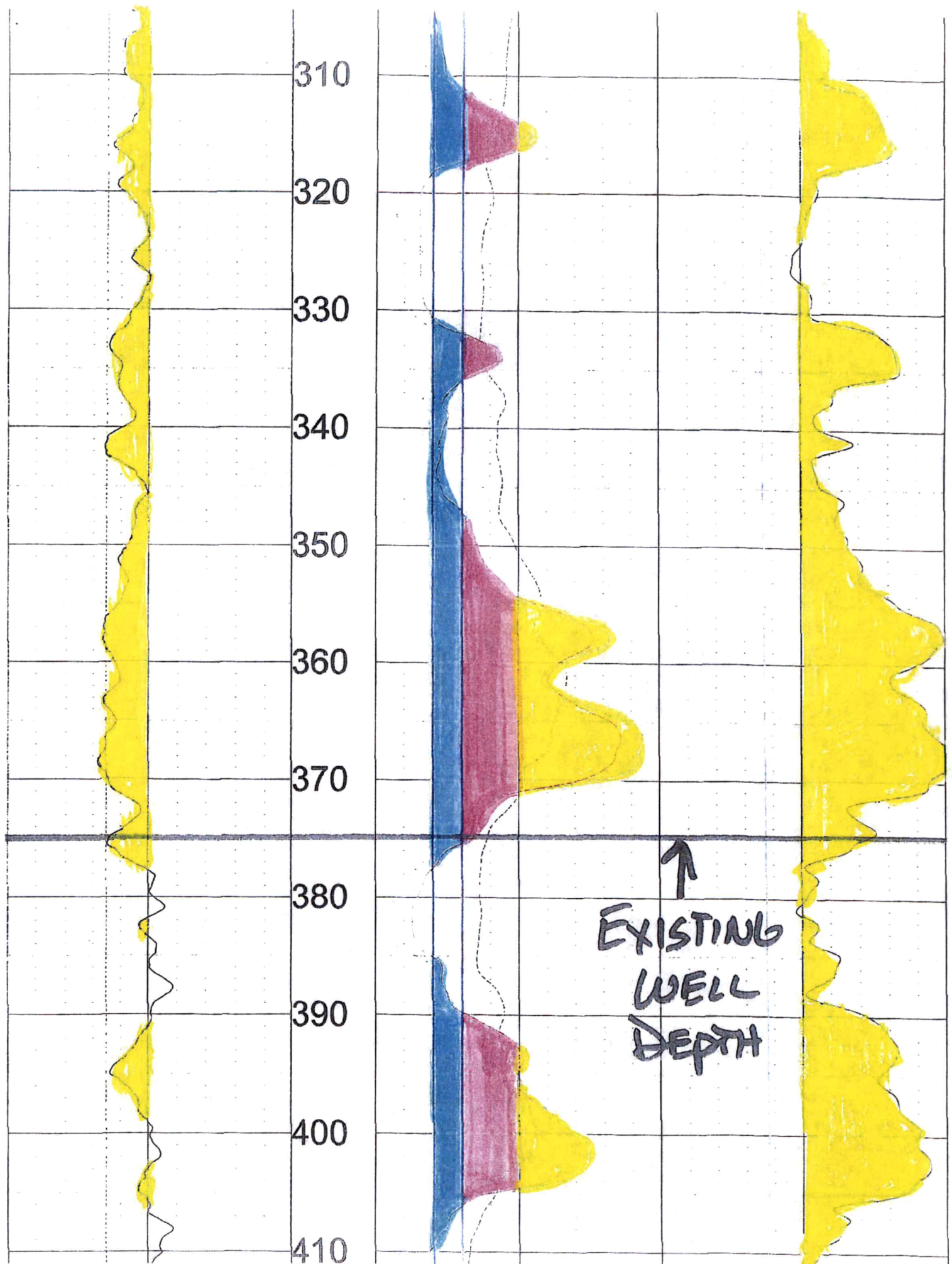
380

390

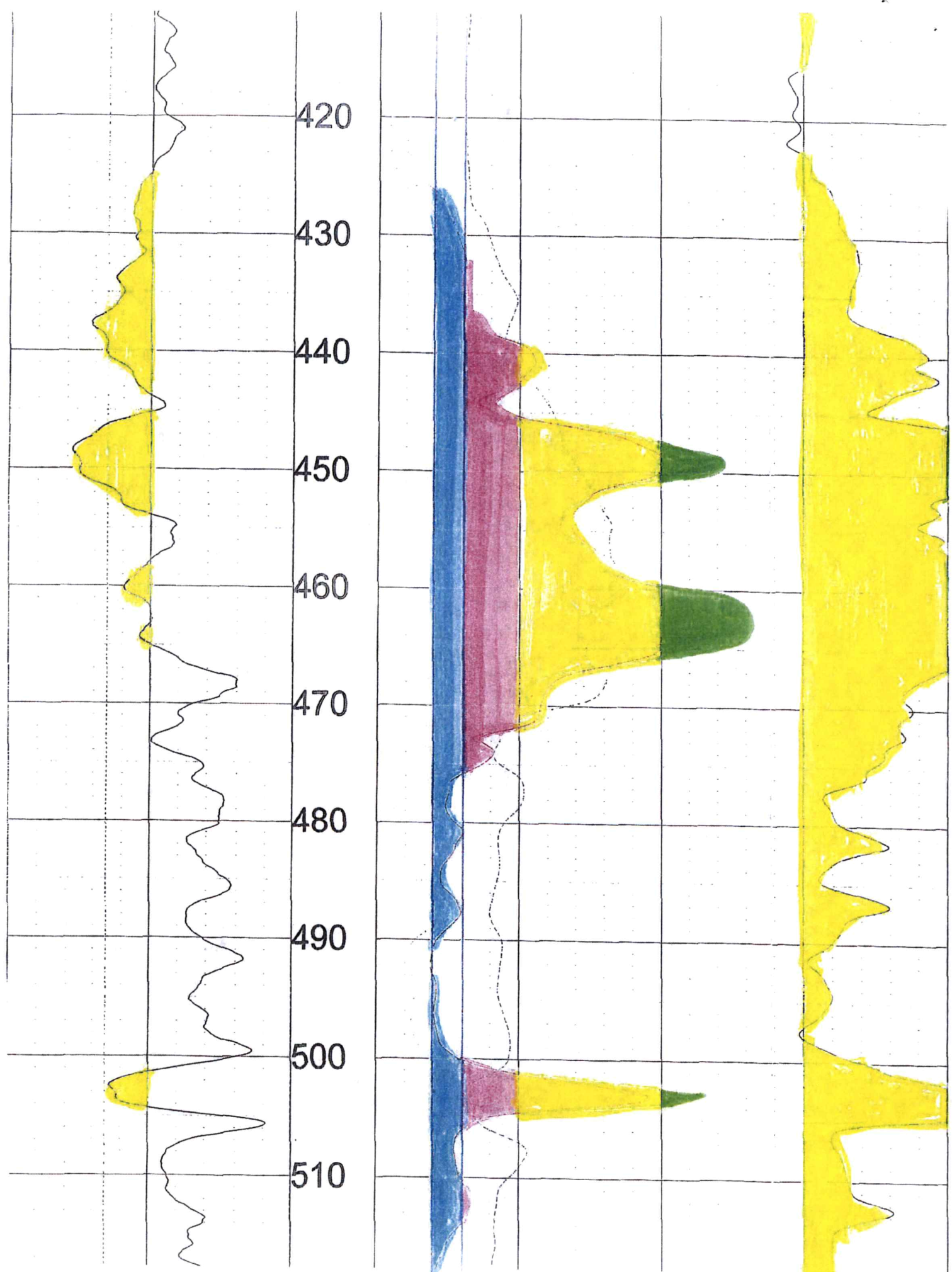
400

410

↑
EXISTING
WELL
DEPTH



420
430
440
450
460
470
480
490
500
510



520

530

540

550

560

570

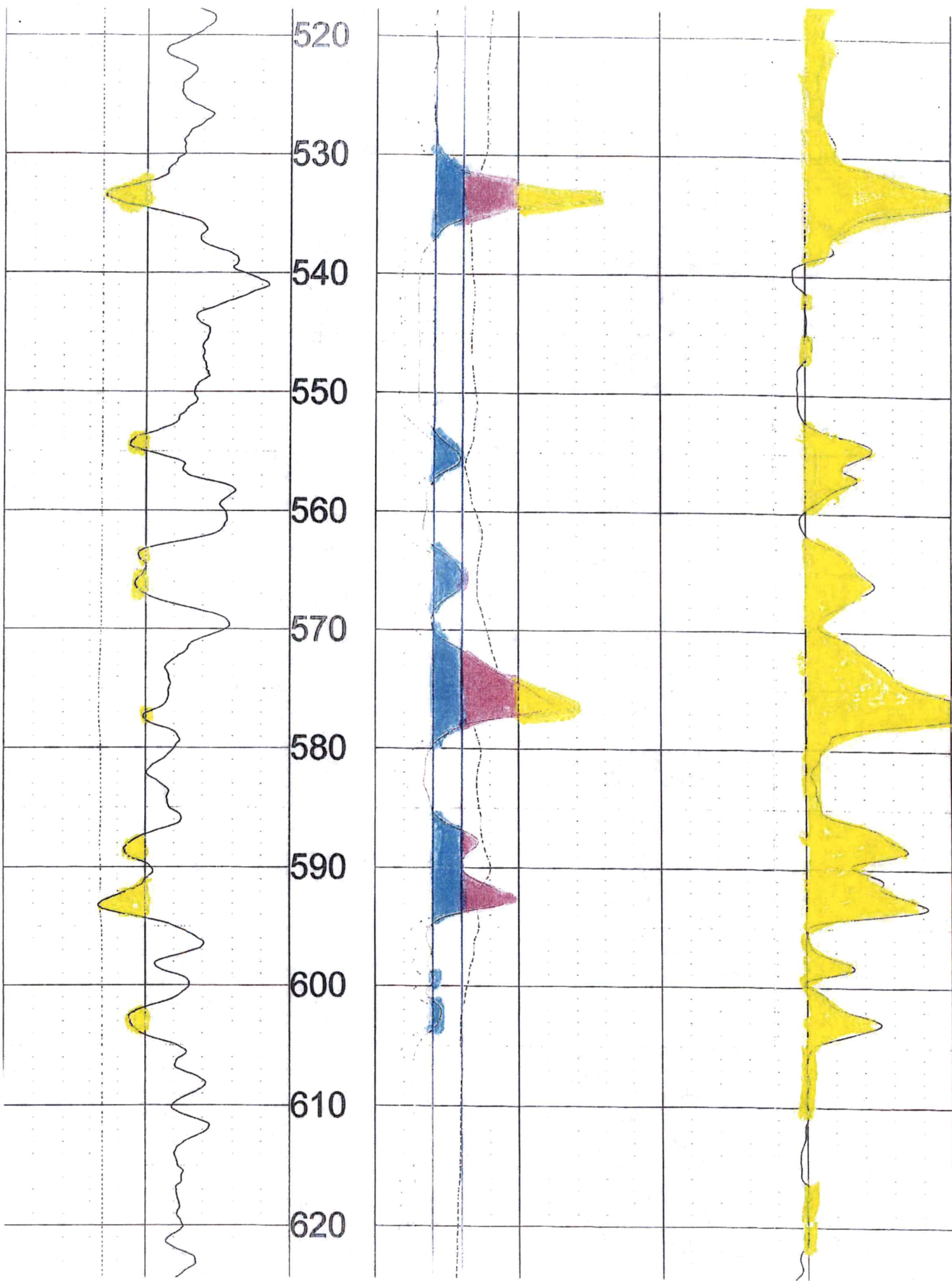
580

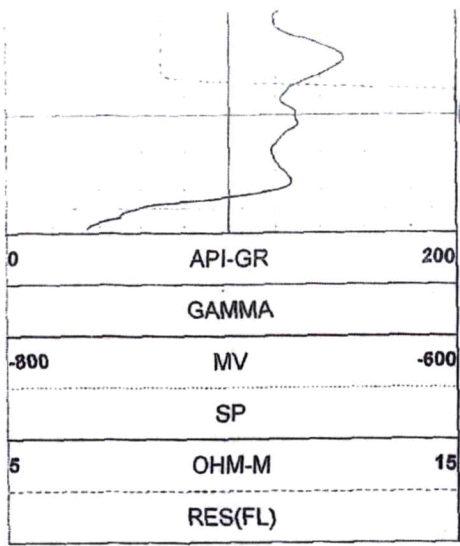
590

600

610

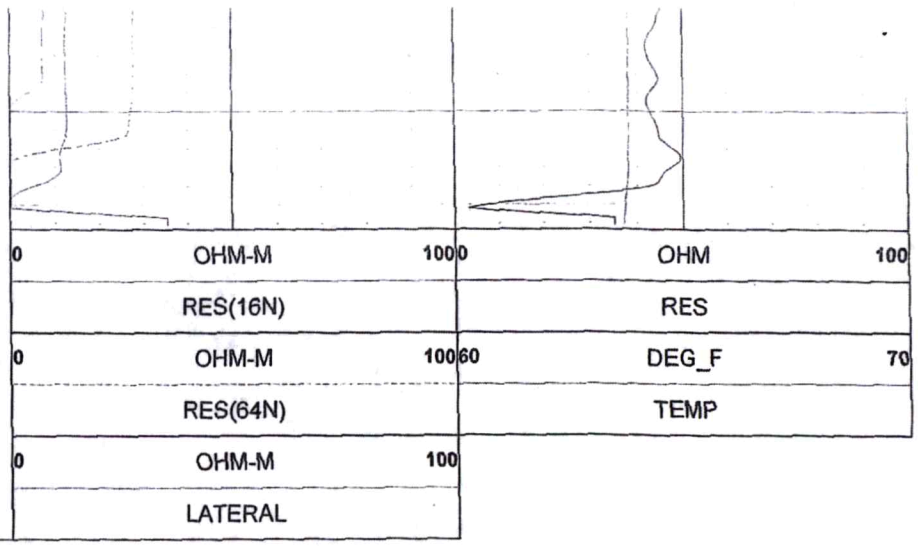
620





630

FEET



TOOL CALIBRATION SOUTHWEST AG, DUANE KOSTER 03/20/23 16:45

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]