

**Kansas Department of Agriculture**  
**Division of Water Resources**  
 APPROVAL OF CHANGE APPLICATION WORKSHEET

1. File No.: <b>41445</b>	2. Status Change Date:	4. Field Office: <b>04 - Garden City</b> GMD: <b>03 - Southwest</b> Structures File No.: Filing/Priority Date: <b>2/9/2024</b> Application Complete Date:
3. Package File No(s): <b>9327 &amp; 41445</b>		
5a. <input checked="" type="checkbox"/> Applicant <input checked="" type="checkbox"/> Owner <input type="checkbox"/> WUC <input type="checkbox"/> Address Change Person ID <b>64119</b> Add Seq# <b>02</b>  <b>COTTONWOOD TREE FARMS LLC</b> <b>PO BOX 307</b> <b>SMITH CENTER, KS 66967</b>	5b. <input type="checkbox"/> Owner <input type="checkbox"/> WUC <input type="checkbox"/> Address Change Person ID Add Seq#	
5c. <input type="checkbox"/> Owner <input checked="" type="checkbox"/> WUC <input type="checkbox"/> Address Change Person ID <b>64119</b> Add Seq# <b>03</b>  <b>COTTONWOOD TREE FARMS LLC</b> <b>ATTN: HASKELL CO/SHON UNRUH</b> <b>PO BOX 307</b> <b>SMITH CENTER, KS 66967</b>	5d. <input type="checkbox"/> Owner <input type="checkbox"/> WUC <input type="checkbox"/> Address Change Person ID Add Seq#	
6. Change No.: <b>C2</b> <input checked="" type="checkbox"/> PD <input type="checkbox"/> PU <input type="checkbox"/> UMW Base Acres:            Year:            Min Reasonable Q: Previous UMW: <b>Not changing</b> MDS Gauge:            Active Admin? <input type="checkbox"/> Completion/Start Date: <b>3/1/2025</b> Perfection/Expiration Date:		7. Use of Water <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water UMW: <b>IRR-Irrigation</b> UMW: UMW:
8. Action Trail		
9. Special Conditions		
10. 5YR Allocation    Type:    Start Year:    5YR Quantity:    Base Acres: Comment:		
11. Sand & Gravel    Proj ID: <input type="checkbox"/> Active <input type="checkbox"/> Dredge <input type="checkbox"/> IND Evap <input type="checkbox"/> Jr Evap <input type="checkbox"/> Other Diversion <input type="checkbox"/> Rpt on Sr		
12. Waiver    Rule ID: <input type="checkbox"/> New    Date Requested: Applies:            Rule No.:            Justification: Rule Type: Rule SubType:		
Comments	Processed <b>2/21/2024</b>	Entered
	Reviewed	

File No. **41445**      13. County: **HS** Basin: **ARKANSAS RIVER** Stream:  
 Structures File No:      Aquifer Code: **211 / 331**      Special Use Area:

14. Points of Diversion, Rates & Quantities										Qty AF		Rate gpm		Storage Qty		Storage Rate	
PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Auth	Add	Auth	Add	Auth	Add	Auth/Add	Overlaps	
<b>DEL</b>	<b>34811</b>																
<b>ENT</b>	<b>NE NW NW</b>	<b>34</b>	<b>27S</b>	<b>31W</b>		<b>4749</b>	<b>3966</b>		<b>343</b>	<b>0</b>	<b>1305</b>	<b>535</b>				<b>*</b>	

15. Limitations Type: Combined Rate & Quantity Quantity: **343 AF** Rate: **1305 gpm** combined with file no(s): **9327**      **(NO CHANGE)**  
 Type:      Quantity:      Rate:      combined with file no(s):

16. Metering     Metering Required     Anti-Reverse Required     Seal Required    Compliance Date: 12/31/2024

17. Place of Use										NE¼		NW¼		SW¼		SE¼		Total	Owner(s)	Chg?	Overlaps
PDIV	S	T	R	ID	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE					
<b>CHK</b>	<b>37718</b>								<b>31.25</b>	<b>31.25</b>	<b>31.25</b>	<b>31.25</b>					<b>205</b>	<b>5a</b>	<input type="checkbox"/>	<b>*</b>	
																			<input type="checkbox"/>		
																			<input type="checkbox"/>		
																			<input type="checkbox"/>		
																			<input type="checkbox"/>		
																			<input type="checkbox"/>		

18. Point of Diversion and Place of Use Overlaps  
 \* **9327**      \*\*  
 +      ++  
 #      ##  
 ^      ^^

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

February 21, 2024

COTTONWOOD TREE FARMS LLC  
PO BOX 307  
SMITH CENTER, KS 66967

RE: Filed Office Application for Change  
Water Right, File Nos. 9327 & 41445

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

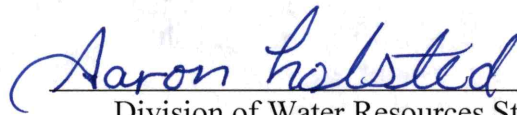
pc:

## CERTIFICATE OF SERVICE

On this 21<sup>st</sup> day of February, 2024, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File Nos. 9,327 and 41,445 dated 21<sup>st</sup> day of February, 2024 was mailed postage prepaid, first class, US mail to the following:

COTTONWOOD TREE FARMS LLC  
PO BOX 307  
SMITH CENTER, KS 66967

Pc:

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

Division of Water Resources Staff



5. **Presently authorized point of diversion:**  
 One in the NE Quarter of the NW Quarter of the NW Quarter of Section 34, Township 27 South, Range 31 W, in HS County, Kansas, 4880 feet North 4040 feet West of Southeast corner of section.  
 Authorized Rate \_\_\_\_\_ Authorized Quantity \_\_\_\_\_ Depth of well 530 (feet)  
 (DWR use only: Computer ID No. 03 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 NE Quarter of the NW Quarter of the NW Quarter of Section 34, Township 27 South, Range 31 W, in HS County, Kansas, 4749 feet North 3966 feet West of Southeast corner of section.  
 Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ Proposed well depth (feet) 302  
 This point is:  Additional Well  Geo Center List other water rights that will use this point 9327

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) Current Well has gone bad

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

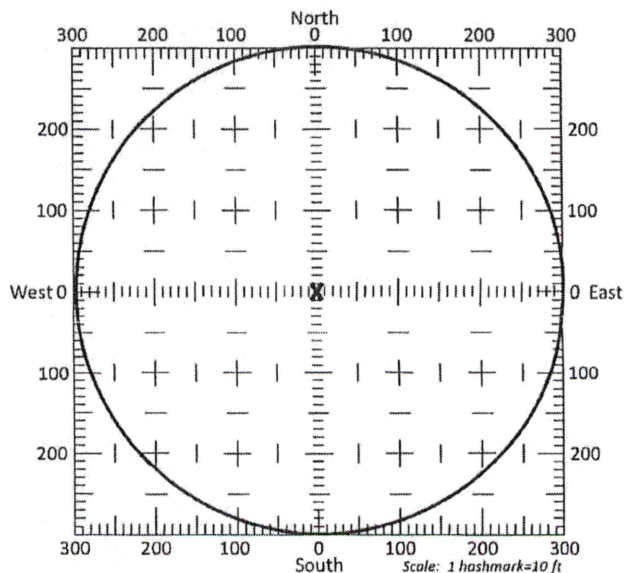
9. The change(s) (was/will be) completed by?  
Downey Drilling

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

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 Pratt, Kansas, this 6 day of February, 2024.

Glenn Newdigger Cottonwood Tree Farm LLC -  
 \_\_\_\_\_ The Peoples Bank - Agent

_____ (Owner)	_____ (Spouse)
Cottonwood Tree Farm LLC _____ (Please Print)	_____ (Please Print)
_____ (Owner)	_____ (Spouse)
_____ (Please Print)	_____ (Please Print)
_____ (Owner)	_____ (Spouse)
_____ (Please Print)	_____ (Please Print)

State of Kansas }  
 County of \_\_\_\_\_ } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
 Notary Public

My Commission Expires \_\_\_\_\_.

**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.

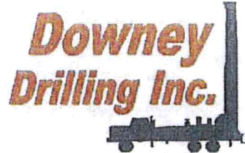
**FEE SCHEDULE**

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







# Well Design & Construction

"PROPOSED"  
WR #9327

Customer Name: COTTONWOOD TREE FARM

PEOPLE'S BANK

Legal: NW 34-27S-31W

County: HASKELL (SHONOVAN UNRUH - TENANT)

GPS: 37.662252

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

-100.702564

WO #: \_\_\_\_\_

DRILLER: \_\_\_\_\_

WATER SUPPLY: F/CUSTOMER'S WELL

HELPER(S): \_\_\_\_\_

DRILLING RIG: M100 #1304

BOREHOLE DIAMETER: 30"

DRILLING METHOD: RC

CASING DIAMETER: 16" .250 WALL

QUIKGEL: TBD

HOLE PLUG: 20'+

TOTAL WELL DEPTH: 765'

GRAVEL: 155+ TON

4X#1COARSE

DRILLING FLUID: TBD

GRAVEL SUPPLIER: HUBER

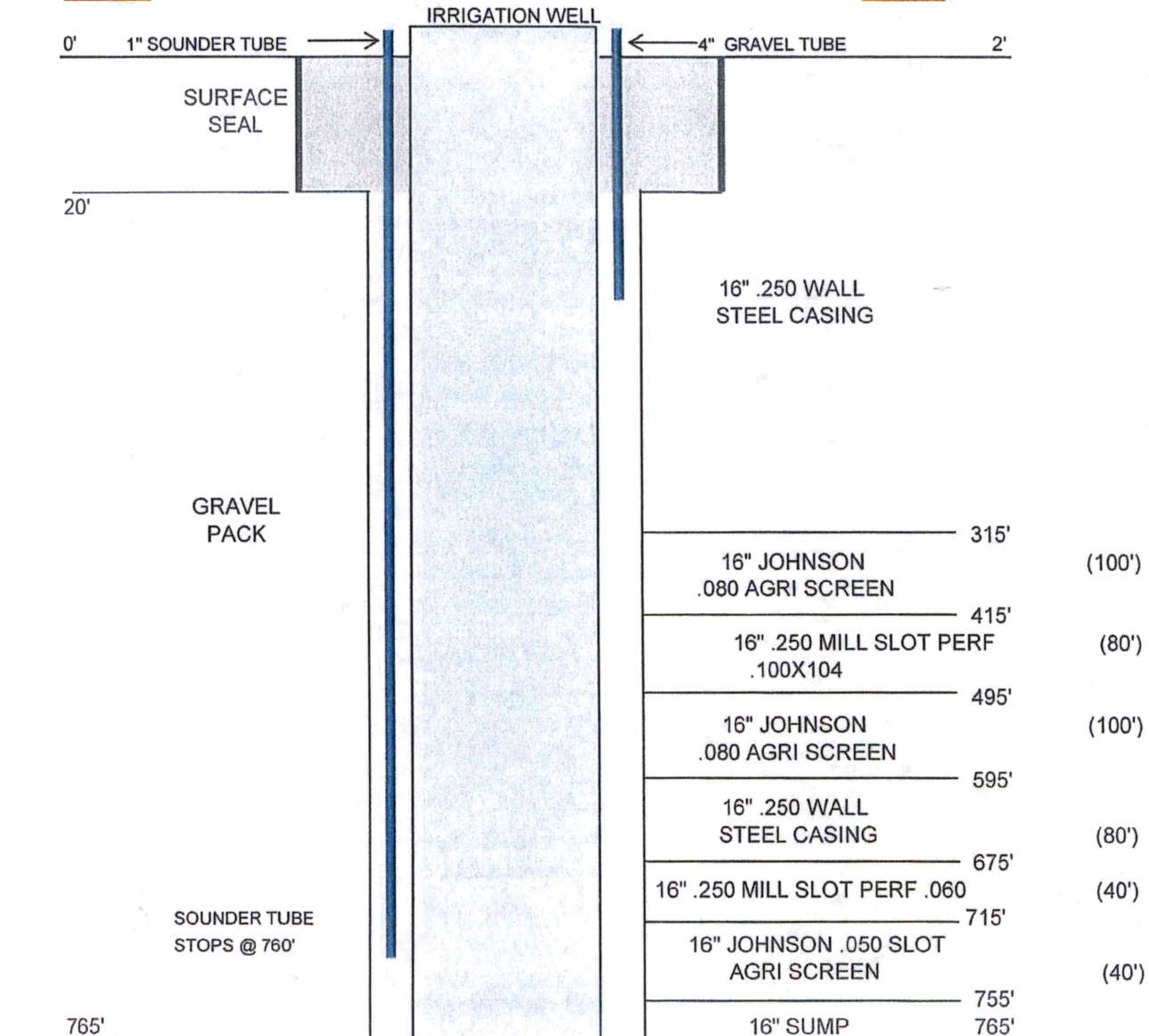
1X70/30 #1C/#1F 1X50/50 #1C/#1F

ADDITIONAL INFO: AT TEST HOLE #1

36" X 20' SURFACE CASING W/CONCRETE GROUT

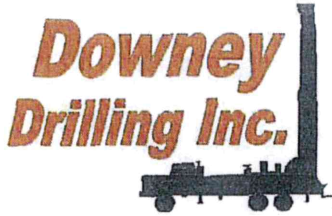
GROUT  
AND  
GRAVEL

SCREEN AND  
CASING



# WELL LOG

DATE: 6/28/2023



CUSTOMER NAME: COTTONWOOD TREE FARMS, LLC

TH#1

LEGAL: NW 34-27S-31W

COUNTY: HASKELL CO, KS

GPS: 37.662252

-100.702564

DRILLER: DIEGO

WO: 23-236

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	4	TOP SILTY SOIL	SOFT	LIGHT BROWN	FAST		SMOOTH
	4	16	BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	16	23	BROWN CLAY W/ CALICHE	SOFT	BROWN & WHITE	FAST		SMOOTH & CHOPPY
	23	25	FINE-MED SAND	SOFT		FAST		VIBRATION
	25	59	SANDY CLAY	SOFT	ORANGE	FAST		SMOOTH
	59	85	FINE SAND W/ SANDY CLAY	SOFT	ORANGE	FAST		VIBRATION
	85	93	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	93	99	SANDY CLAY W/ WHITE CLAY	SOFT	BROWN & WHITE	FAST		SMOOTH
	99	108	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	108	123	FINE-MED-COARSE SAND W/ FINE-MED GRAVEL & LIME ROCK	STIFF	WHITE	FAST		CHATTER
	123	139	BIG ROCKS	STIFF		FAST		CHATTER
	139	161	FINE-MED-COARSE SAND W/ FINE-MED GRAVEL	STIFF		FAST		FAST CHATTER
	161	175	FINE-MED GRAVEL	STIFF		FAST		FAST CHATTER
	175	204	BIG ROCKS	HARD		FAST		CHATTER
	204	219	LIGHT GREEN CLAY W/ WHITE CLAY LEDGES	SOFT	LIGHT GREEN & WHITE	SLOW		SMOOTH & CHOPPY
	219	229	BLUE CLAY	STICKY	BLUE	FAST		SMOOTH
	229	238	TAN CLAY	STICKY	TAN	FAST		SMOOTH
	238	259	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
	259	270	SANDY CLAY W/ FINE-MED SAND & YELLOW SOAPSTONE TRACE	SOFT	BROWN & YELLOW	FAST		SMOOTH & CHOPPY
	270	293	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	293	318	FINE-MED-COARSE SAND W/ LIME ROCK	FIRM	WHITE	FAST		FAST CHATTER
	318	335	FINE-MED SAND W/ SANDY CLAY	FIRM	BROWN	FAST		CHOPPY & SMOOTH
	335	347	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	347	357	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	357	360	FINE-MED SAND	FIRM		FAST		CHOPPY
	360	361	HARD SPOT	HARD		SLOW	X	CHATTER
	361	365	FINE-MED SAND	FIRM		FAST		CHOPPY
	365	376	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	376	407	FINE-MED-COARSE SAND W/ FINE GRAVEL & LIME ROCK	STIFF		FAST		FAST CHATTER
	407	414	CEMENTED SAND W/ LIME ROCK & FINE SAND	STIFF	WHITE	FAST		FAST CHATTER
	414	421	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	421	426	FINE-MED SAND	SOFT		FAST		CHOPPY
	426	432	LIME ROCK W/ FINE SAND	FIRM	WHITE	FAST		CHOPPY
	432	437	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	437	465	SANDY CLAY W/ LIME ROCK & FINE-MED SAND	SOFT	TAN & WHITE	FAST		SMOOTH & CHOPPY

Approx  
STATIC 325'

10  
3

4

31

7

5

6

8





# Century GEOPHYSICAL CORP.

## COTTONWOOD TREE FARMS LLC

COMPANY : DOWNEY DRILLING INC  
WELL : COTTONWOOD TREE FARMS LL  
LOCATION/FIELD : TH#1  
COUNTY : HASKELL  
LOCATION : NW  
SECTION : 34

OTHER SERVICES:

TOWNSHIP : 27S RANGE : 31W

DATE : 06/28/23  
DEPTH DRILLER : 802  
LOG BOTTOM : 804.90  
LOG TOP : 0.90

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

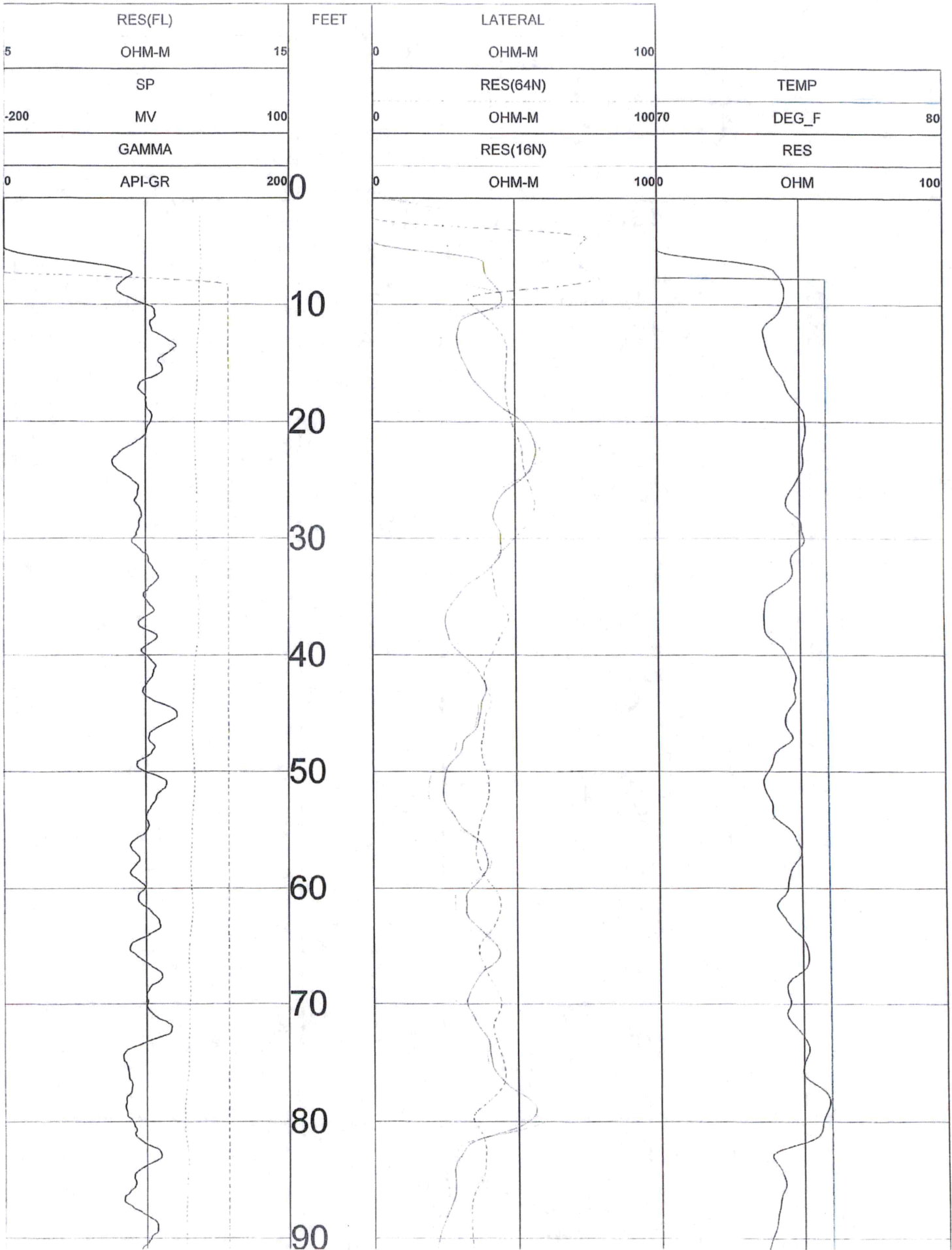
BIT SIZE : 6.25 "  
MAGNETIC DECL. : 0  
MATRIX DENSITY : 2.71  
NEUTRON MATRIX : LIMESTON

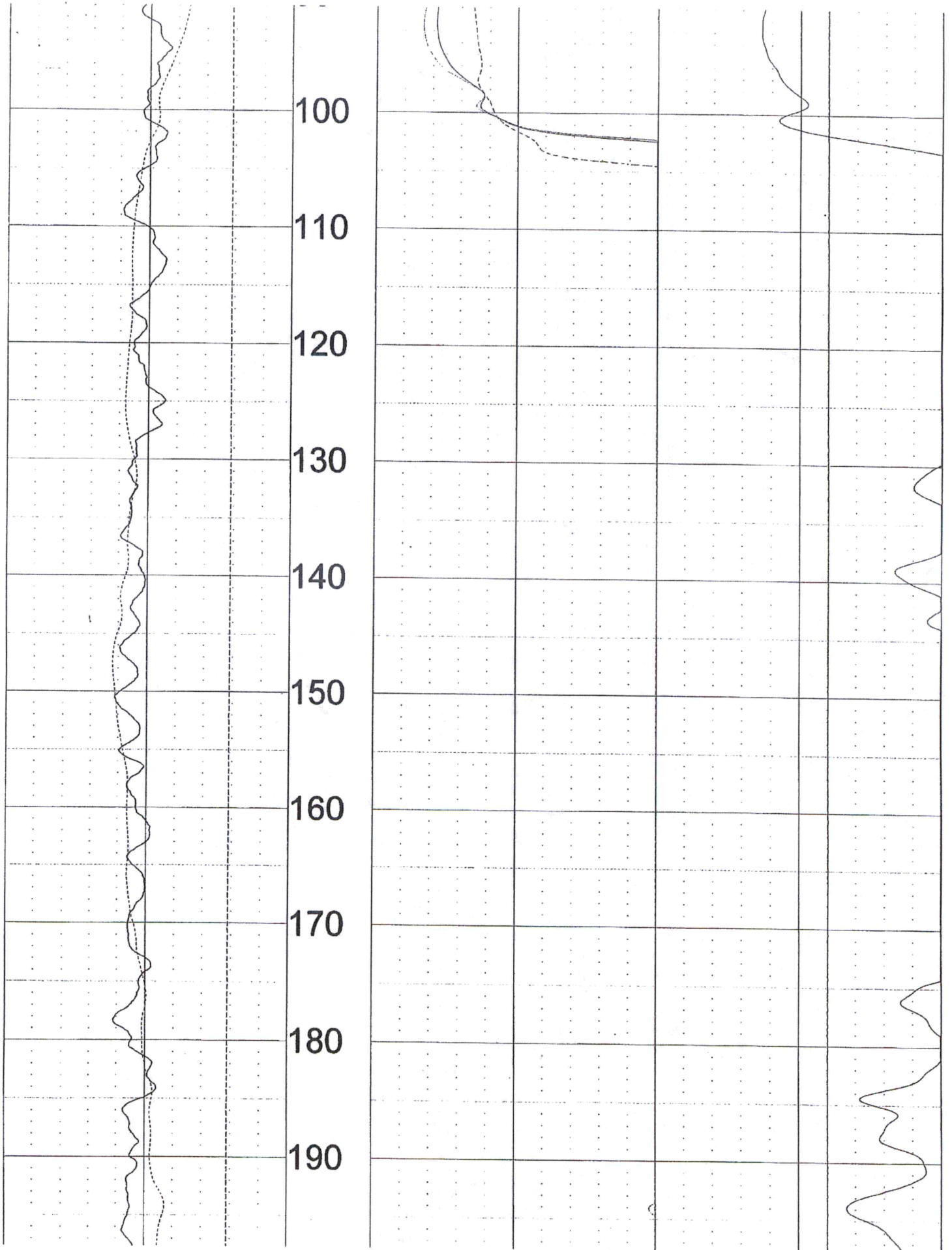
BOREHOLE FLUID : MUD  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 49

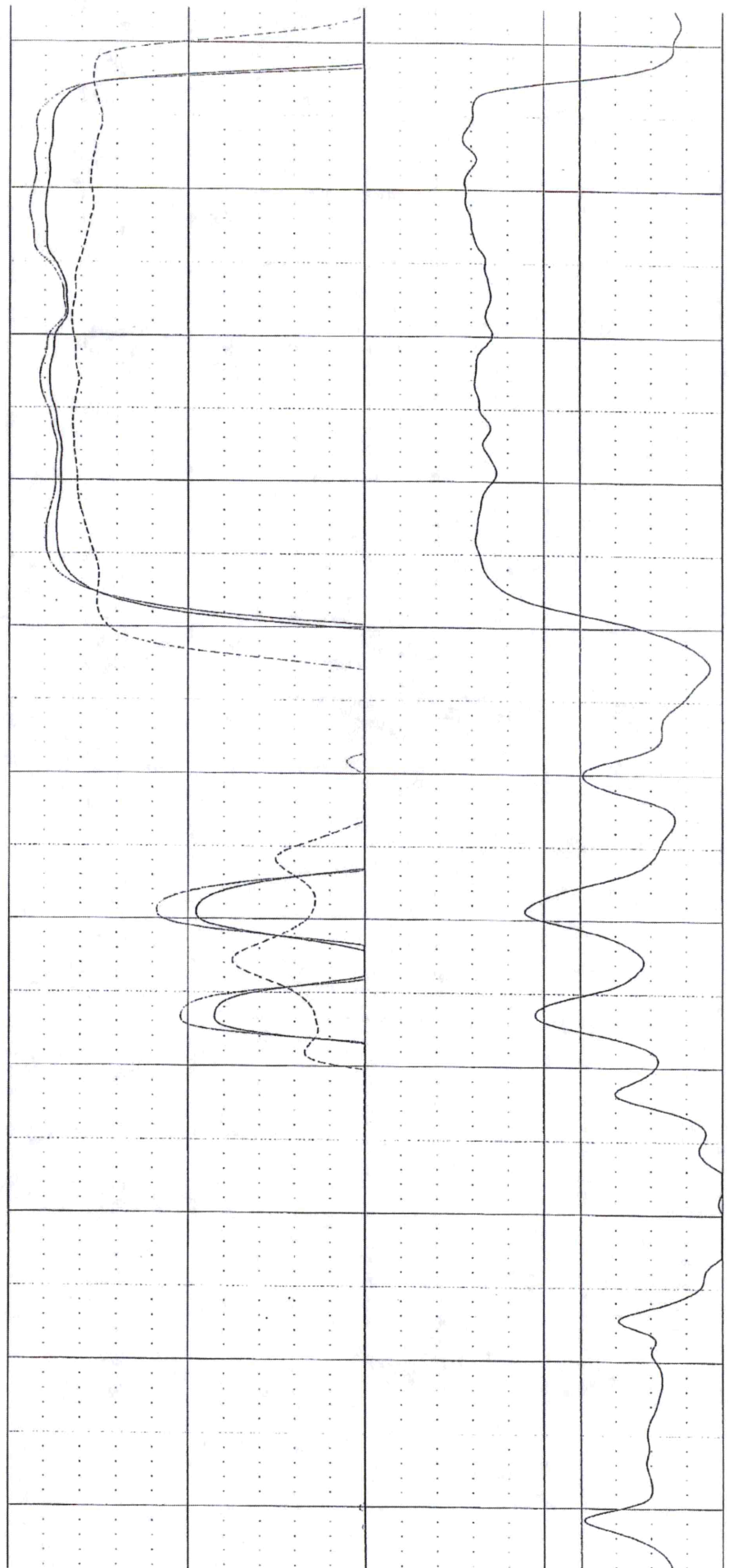
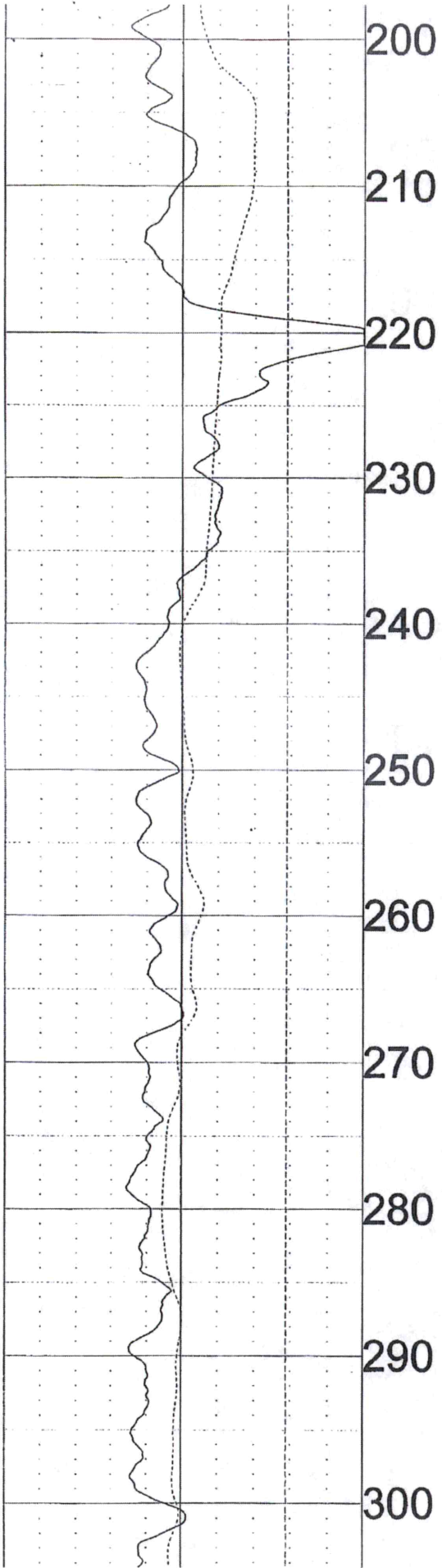
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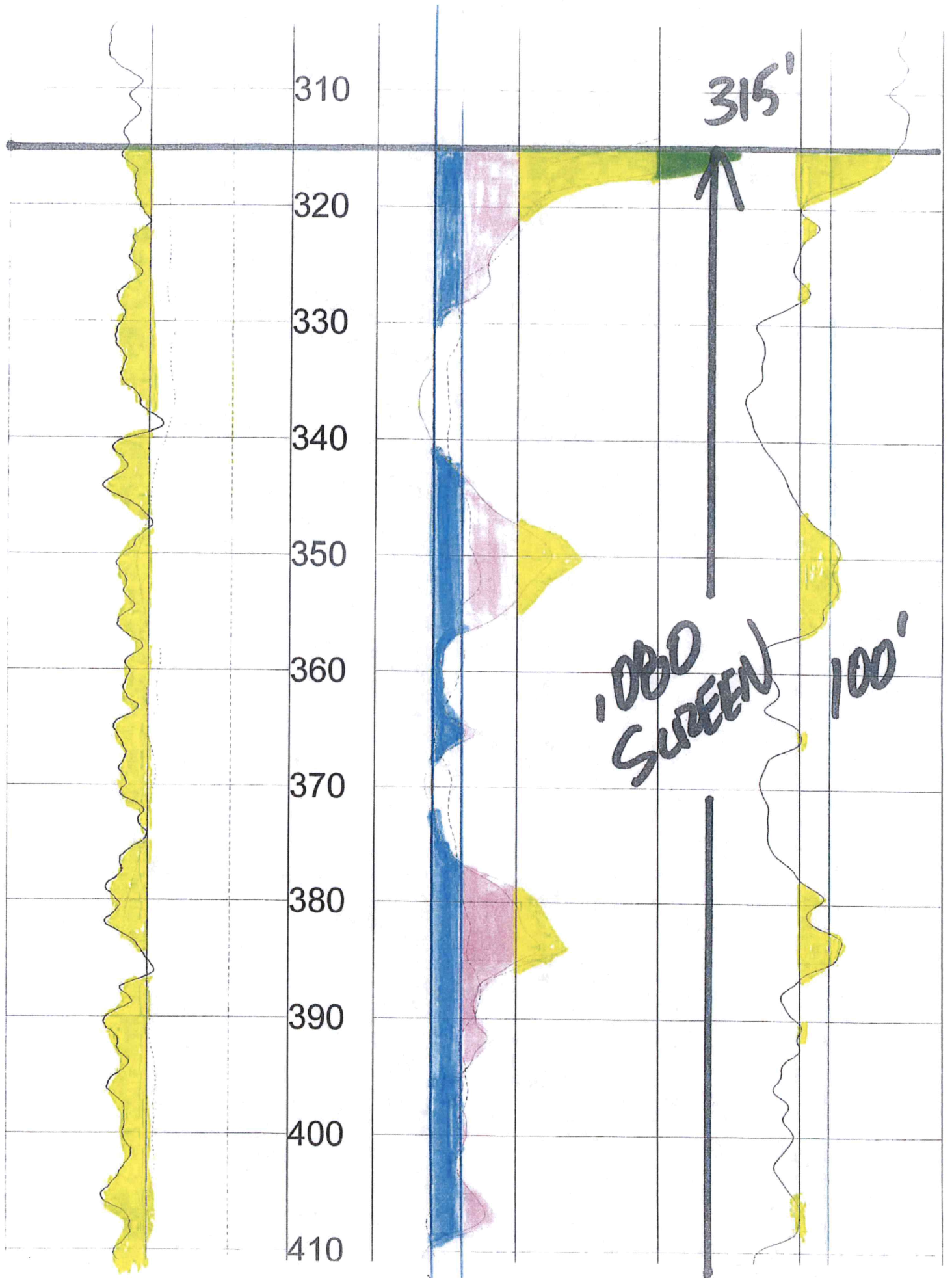
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W-100.70256

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

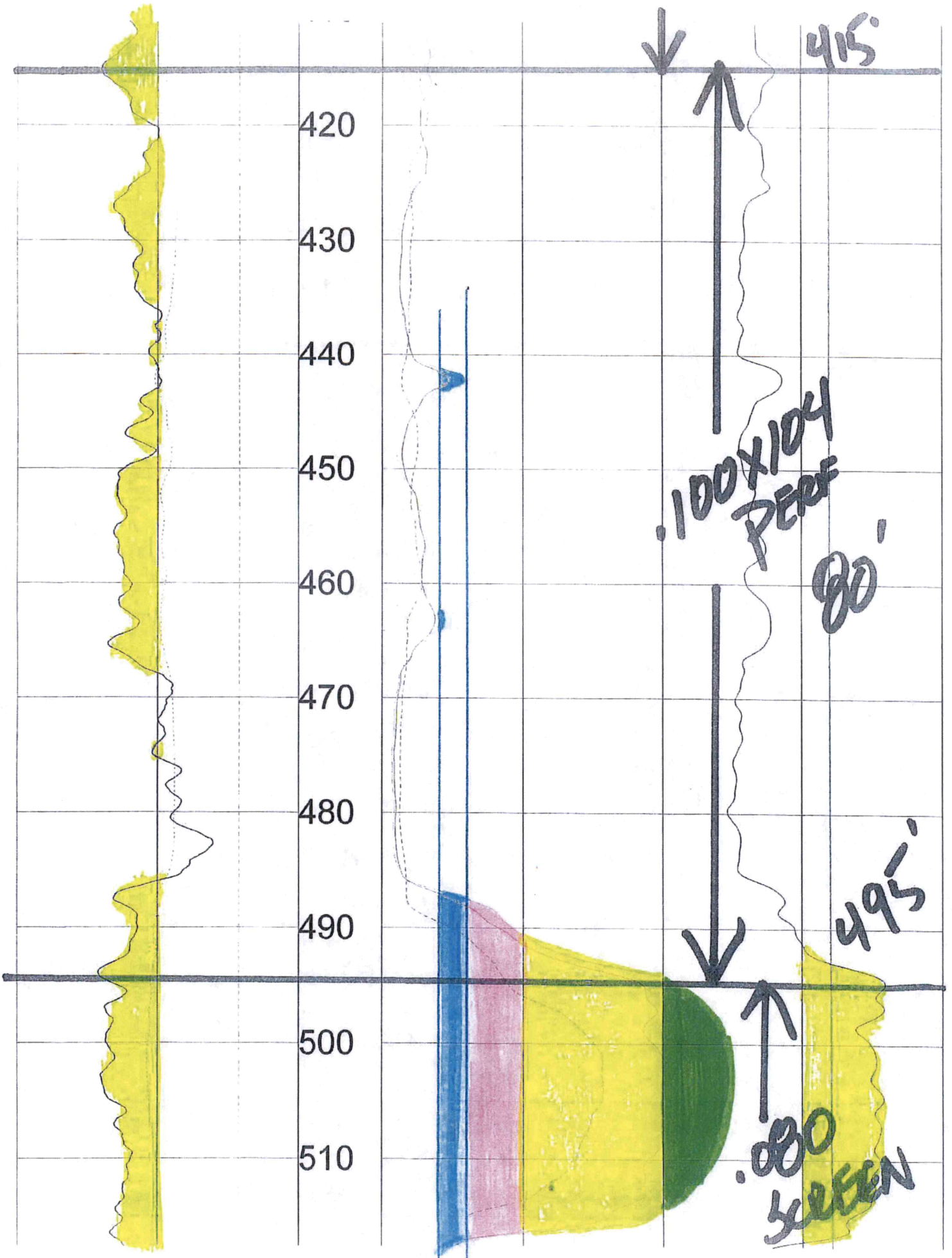




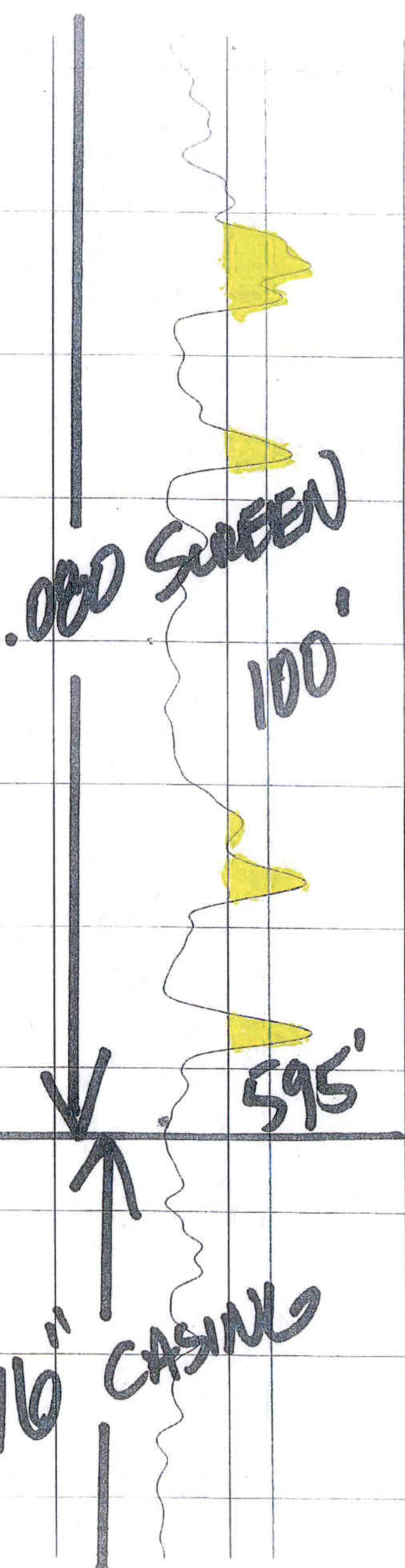
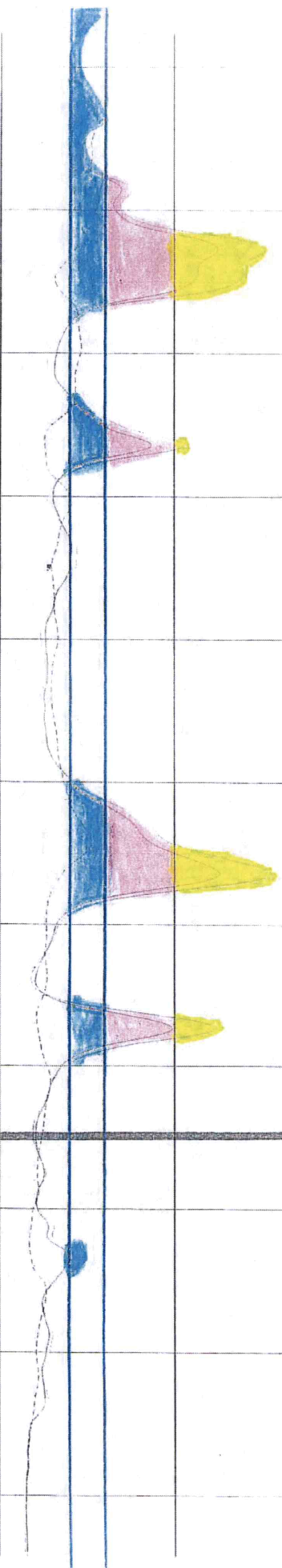
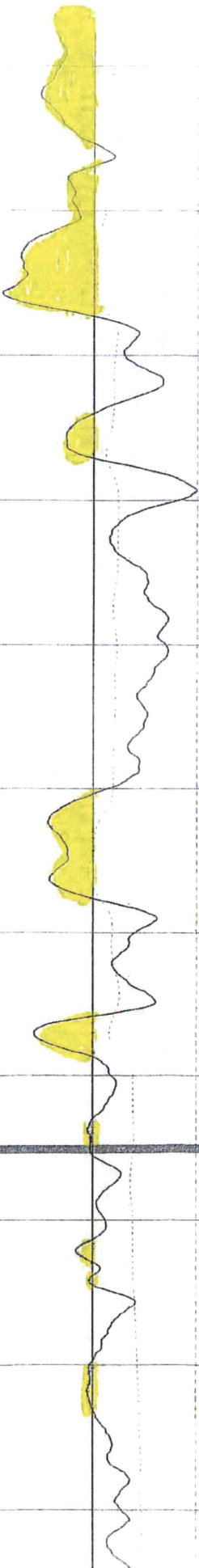








520  
530  
540  
550  
560  
570  
580  
590  
600  
610  
620



000 SCREEN  
100'

595'

16" CASING

630

640

650

660

670

680

690

700

710

720

730

16" CASING

80'

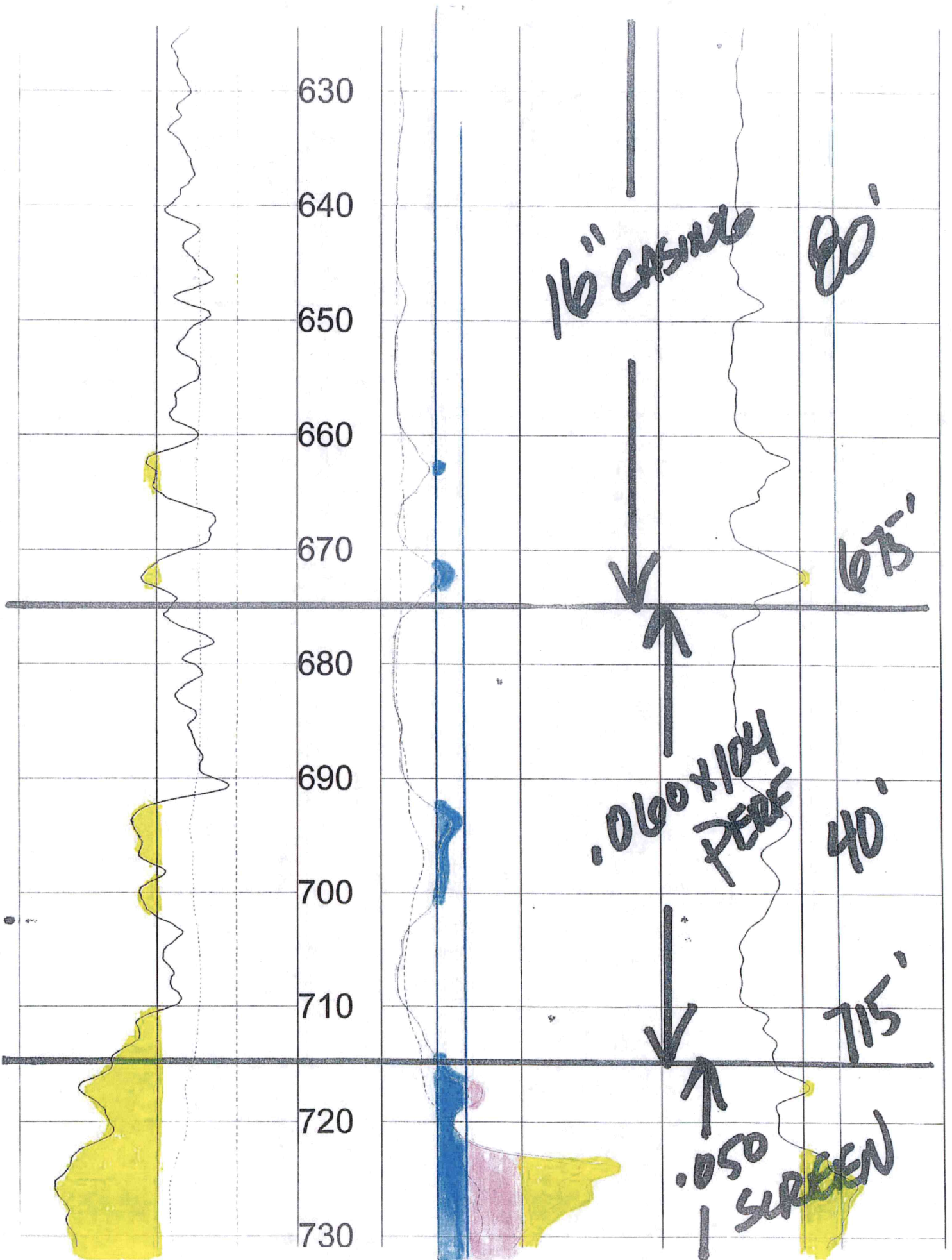
675'

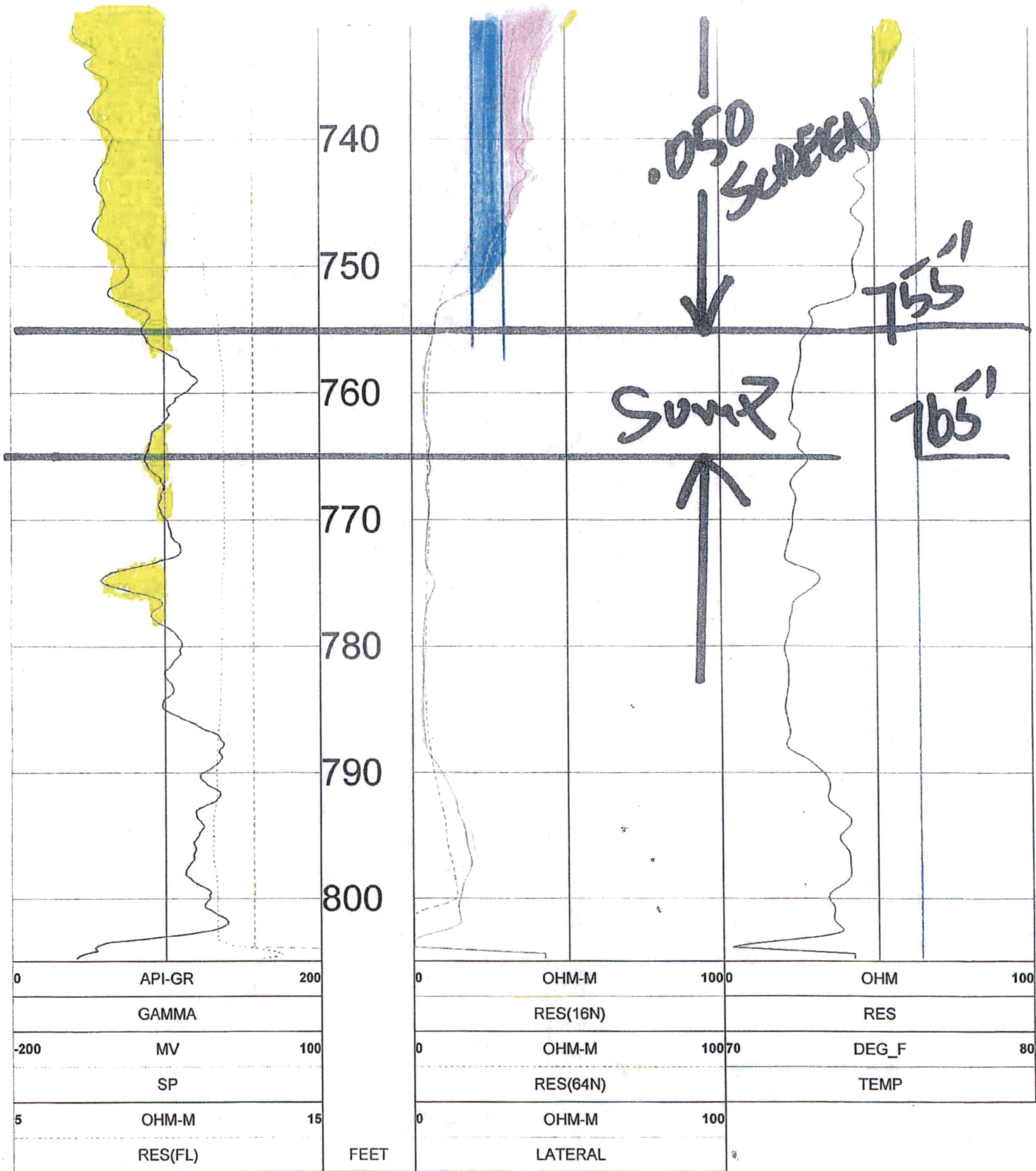
.060 x 104  
PERF

40'

715'

.050  
1 SCREEN





0	API-GR	200
	GAMMA	
-200	MV	100
	SP	
5	OHM-M	15
	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 COTTONWOOD TREE FARMS LLC 06/28/23 22:19

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 ]	185368.000 [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]

# COTTONWOOD - SHONOVAN UNRUH

NW 34-27S-31W HASKELL CO.

Legend



# COTTONWOOD - SHONOVAN UNRUH

NW 34-27S-31W HASKELL CO.

Legend

WR #3582 ELEV=2870'

UNRUH WELL ELEV=2862'

WR #9327 ELEV=2872' (SHON. UNRUH)  
SHON. UNRUH TH #1 ELEV=2872'

ELEV=2868'

34

Google Earth



2000 ft

