Kansas Department of Agriculture Division of Water Resources

CHANGE: P/D WORKSHEET

| 1. File Number: | 2. Status Change Date: | 3. Change Num: | 4. Field Office: | 5. GMD: |
|---|---------------------------------|----------------------|---|----------------------------------|
| 17689 | | C2 | 4 | 3 |
| 6. Status: Approved Deni | ed by DWR/GMD | Dismiss by Reques | t/Failure to Return | 7. Filing Date of Change: |
| | | | | 11/29/2022 |
| 8a. Applicant(s)/Landowner(s) New to system □ | Person ID 24762 Add Seq# | 8c. Landowne | | Person ID 55617 Add Seq# |
| G & J FUND Attn: JEFF UNRUH 3051 A RD COPELAND, KS 67837-0 | 125 | РО ВО | W & DIANA UNR X 669 TTE, KS 67877-0 | |
| 8b. Landowner(s) New to system □ JEFFREY J & SHARLEEI 3051 A RD COPELAND, KS 67837-9 | | 8d. WUC New to sy | stem □ | Person IDAdd Seq# |
| 9. Documents and Enclosure(s): X DV | VR Meter(s) Date to Compl | y: 12/31/2023 | N & P Date to € | Comply:3/1/2024 |
| ☐ Anti-Reverse Meter ☐ Meter | Seal | ⊠ N & P Form | ☑ Water Tube | ller Copy ⊠ H & E Letter |
| ☐ Conservation Plan Date Require | ed: Da | te Approved: | Date to 0 | Comply: |
| 10. Use Made of Water From: | | To: _ | | _ |
| | | | Date Prepared: 11/30/ 2 | 2022 By: AM By: |

| File No. 1768 | 9 | 11. County: I | ME | Bas | sin: CF | ROOK | ED CF | REEK | | | St | ream: | | | | | | | | rmation Code: 1/331 | Special Use | : |
|--|---------------|---------------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|--------------------------------------|-----------|-----------|-----------|----------------|-----------|-------------|------------------------|-------------------|---|
| 12. Points of Div | ersion | | | | | | | | | | | | | | | and Qu | uantity zed | | Ad | dditional | | |
| DEL PDIV ENT | Qualifier | S | Т | R | ID | " | N | ʻW | | Com | ment (| (AKA I | _ine) | | Rate | | Quantity af | 1 | Rate gpm | | Overlap PD Files | |
| DEL 68097 | | | | | | | | | | | | | | | | | | | | | | |
| ENT | NW SW NW | 2 3 | 0S 3 | 30W | | 37 | 794 | 526 | 6 | | | | | | 1900 |) | 640 | | 1900 | 640 | NONE | |
| | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | 2 ¹ | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| 13. Storage: RateNF Quantity ac/ft Additional RateNF Additional Quantity ac/ft | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Limitation: | | af/yr at | <u> </u> | | | | gpm (_ | | | | cfs) wh | nen co | mbine | ed with | file nu | umber | (s) | | | | | |
| 15. 5YR Allocatio | n: Allocation | Туре | Sta | art Year | | _ | 5 YR | Amour | nt | | Amo | unt Ur | nit | _ | Base | Acres | | _ Co | mment _ | | | |
| 16. Place of Use CHK | | | | NE | Ξ1/4 | | | NW | V¹/4 | | | sv | V ¹ / ₄ | | | S | E1/4 | | Total | Owner C | hg? Overlap Files | |
| MOD DEL ENT PUSE | STR | ID | NE 1/4 | NW 1/4 | SW 1/4 | SE 1/4 | NE ¼ | NW 1/4 | SW 1/4 | SE 1/4 | NE 1⁄4 | NW 1/4 | SW 1/4 | SE 1/4 | NE 1⁄4 | NW 1/4 | SW 1/4 | SE 1/4 | | | | |
| CHK 9289 | | | | | | | | | | | | | | | | | | | | | | |
| CHK 20543 | | | | | | | | | | | | | | | | | | _ | | | | |
| | | | | | | | | | | | | | | | - | | | | | | | |
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| - | | | | | | | | | 1 | | | | | | | | | | | | F | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Base Acres: | Year: | Mi | inimun | n Reas | onable | Quar | ntity: | | | | | | | | | | | | | | | |
| 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 30, 2022

G & J FUND Attn: JEFF UNRUH 3051 A RD COPELAND, KS 67837-0125

RE:

Filed Office Application for Change

Water Right, File No. 17689

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,

Austin J. McColloch

Assistant Water Commissioner

AM:

enclosures

pc:

Kelly & Diana Unruh

CERTIFICATE OF SERVICE

On this 30th day of November, 2022, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 17,689 dated 30th day of November, 2022 was mailed postage prepaid, first class, US mail to the following:

G & J FUND Attn: JEFF UNRUH 3051 A RD COPELAND, KS 67837-0125

Pc:

KELLY W & DIANA UNRUH PO BOX 669 SUBLETTE, KS 67877-0669

Division of Water Resources Staff

Submit completed application to: Kansas Department of Agriculture Division of Water Resources Field Office for your area. Call for address:

Topeka -- (785) 296-5733 Stafford -- (620) 234-5311 Stockton -- (785) 425-6787 Garden City -- (620) 276-2901 http://agriculture.ks.gov/dwr

DWR FIELD OFFICE APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF USE AND/OR THE POINT OF DIVERSION



STATE OF KANSAS

Filing Fee Must Accompany the Application, K.S.A. 82a-708b(b), as amended.

Fee Schedule is on the third page of this application form.

Paragraph Nos. 1, 2, 3 & 5 must be completed. Complete all other applicable portions. If change in point of diversion is greater than 100 feet, or if place of use will be changed, include a topographic map or detailed plat showing the authorized and proposed point(s) of diversion and/or place of use. RECEIVED 1:48 pm File No. 17689 Garden City Field Office 1. Application is hereby made for approval of the Chief Engineer to change the (check one or both): Division of Water Resources ☐ 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: <u>G&J</u> FUND (JEFF UNRUH) 3051 A RD COPELAND, KS. 67837 Phone Number: (620)668-5469 Email address: Name and address of Water Use Correspondent: G&J FUND 3051 A RD COPELAND, KS. 67837 Phone Number: (620)668-5469 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. SW1/4 TOTAL ACRES NW1/4 SW1/4 SE1/4 Twp. Range NE1/4 NW1/4 SW1/4 SE1/4 NE1/4 NW1/4 SW1/4 SE1/4 NE1/4 NE1/4 NW1/4 SW1/4 SE1/4 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: (If there is more than one landowner, attach supplemental sheets as necessary.) SW1/4 NW1/4 TOTAL SE1/4 NW1/4 SW1/4 NE1/4 NW1/4 Sec. Twp. Range NE1/4 NW1/4 SW1/4 NE1/4 NW1/4 SW1/4 NE1/4 SW1/4

For Office Use Only: Code _____ Fee \$\frac{100.00}{2} TR # ____ Receipt Date \frac{11.29.22}{2} Check # \frac{427}{2}

| 5. | Presently authorized p | oint of dive | rsion: | | | | | | | |
|-----|--------------------------------|------------------|---------------|-------------|-----------------|--------------|-------------------|--------------|-------------|--------------|
| | One in theN | | | | | | | | | |
| | of Section | 2 | _, Township | | 30 | Soi | uth, Range | 30 |) | (W), |
| | in MEADE | County, | Kansas, | 3666 | feet North _ | 5200 | _ feet West o | f Southeas | t corner o | of section. |
| - 1 | Authorized Rate1900 | | | | | | | | | |
| - 1 | (DWR use only: Comp | | | | | | | | | |
| - 1 | ☐This point will not be ch | | | | | | | | | |
| | Proposed point of dive | rsion: (Com | plete only | if change | is requeste | d or if ex | isting point | s better de | escribed | by GPS) |
| | One in theN | | | | | | | | | |
| | of Section | | | | | | | | | |
| | in MEADE | | | | | | | | | |
| | Proposed Rate | | | | | | | | | |
| | This point is: Additio | | | | | | | | | |
| L | This point is | nai vven | OCO OCITIC | LISCOL | ici water rigir | ito triat wi | ii doc tillo poli | | | · |
| . Г | Presently authorized p | aint of dive | rolen. | | | | | | | |
| 6. | | | | i | | 0 | | | | 0 |
| | One in the | | Quarter of t | ne | | Qu | arter of the | | | Quarter |
| | One in the of Section in | | _, Township | | | Soi | uth, Range | | | (E/W), |
| | in | County, | Kansas, | | feet North _ | | _ feet West o | f Southeas | t corner o | of section. |
| | Authorized Rate | A | uthorized Q | uantity _ | | Dept | n of well | | (feet) | |
| | (DWR use only: Comp | | | | | | | | | |
| | ☐This point will not be ch | - | | | | | | | | |
| | Proposed point of dive | | | | | | | | | |
| | One in the | | | | | | | | | |
| | of Section | | _, Township | | | Sou | uth, Range _ | | | (E/W), |
| | in | | | | | | | | | |
| | Proposed Rate | F | roposed Qu | antity | | Prop | osed well dept | h (feet) | | |
| | This point is: Addition | nal Well | Geo Cente | r List oth | er water righ | its that wi | II use this poir | nt | | |
| | | | | | | | | | | |
| 7. | The changes herein are | | | | ? | | | | | |
| | (please be specific) Lack | of production | on current lo | ocation | 300 | 200 | 100 Nor | th 100 | 200 | 300 |
| | - | | | | | | 100 0 | | | 300 TTG |
| | | | | | E | | | | | 3 |
| 8. | If a well, is the test hole lo | g attached? | ⊠ Yes □ | No | 300E | - 1/ | = | r of a | 1 | 300 |
| | | | | | 200 | | 1 + 1 = | | | |
| 9. | The change(s) (was)(will l | be) completed | d by? | | E | / - | _ <u>=</u> | | _ \ | 100 |
| | | | | | 100 | L_{\perp} | 1 + 9 = | - 1 + | + 1 | 100 |
| | | | | | 7 | . 1 | · ' · Ē | | . 1 . | ¥ |
| 10. | If the point of diversion is | a well: | | | F | | | | _ | 1 |
| | (a) What are you going t | o do with the | old well? | | West 0 | +1[1111]111 | don bodo 🛣 | пи нии ни | | ○ East |
| | | | | | 1 | _ | _ <u>=</u> | | - | 4 |
| | To be plugged | | | | 100 | - 1 - | 1 + 1 = | - 1 - | + 1 | 100 |
| | (b) When will this be don | ie? | | | 100 | / | ' ' <u>=</u> | | 1 1 | /=100 |
| | | | | | E | / - | _ = | | -/ | / = |
| 11. | Groundwater Managemer | nt District reco | mmendation | attached' | ? 200 ⊨ | - 1 \ | 1 + 1 = | - + | +/1 | 200 |
| | Yes | No | | | E | | _ = | | /_ | |
| | | | | | Ē. | utanda. | Ī.,,,Ē | | mulanat | i i |
| 12. | Assisted by cac | | | | 300 | 200 | 100 0 | 100 | 200 | 300 |
| 13a | .If the proposed point of div | ersion will he | relocated mo | ore than 30 | 00 | | Sou | th Scale: | 1 hashmark= | 10 ft |
| | feet but within 2,640 feet of | of the existing | point of dive | rsion, atta | ch 13b. If the | proposed | point of divers | sion will be | relocated | within a 300 |

13a. If the proposed point of diversion will be relocated <u>more than 300</u> 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 th | ne proposed groundwater point of diversion is 300 | or fewer feet from | om the exis | ting point of | of diversion, complete th | ie following: |
|------------------|--|---|--------------|---------------|----------------------------|-------------------|
| (a) | Does the undersigned represent all owners of the Yes No (If no, all owners must | | | e(s) of use | identified in this applica | ation? |
| (b) | Will the ownership interest of any owner of the affected if this application is approved as reques ☐ Yes ☐ No (If yes, all owners mu | sted? | | (s) of use | identified in this applica | tion be adversely |
| (c) | If this application is not approved expeditiously, ☐ Yes ☐ No (If no, all owners must | | | mage to pr | operty, public health or | safety? |
| or a cha | oplication proposes a surface water change in pointing in place of use, the application must be signatured in the signature of the signature o | ed by all owners | | | | |
| age and their be | by verify, being first duly sworn upon my d the owner, the spouse of the owner, or ehalf, in regards to the water right(s) to v ned in this application are true, correct an | a duly author which this ap _l | ized agen | t of the o | wner(s) to make this | s application or |
| Dated at | | | 29th | _ day of | November | ,2022. |
| la, see | 7/11/ 7/1/ | | | | | |
| | (Owner) | | | | (Spouse) | |
| / | (Please Print) | | | | (Please Print) | |
| | Joan Und | | | | | |
| | (Owner) | | | | (Spouse) | |
| | (Flease Print) | | | | (Please Print) | |
| | (Owner) | | | | (Spouse) | |
| ٧: | Jeffrey J Unruh | | | | (8) | |
| State of | (Please Print) | | | | (Please Print) | |
| ~FOURTY C | 1 33 | | | | | |
| N I here | reby certify that the foregoing application was | as signed in r | ny presen | ce and s | worn to before me | this 29th day |
| NDIE Ppt. Ex | | | | m | l Olev | |
| My Com | nmission Expires 4/22/226. | (| | 1 | Notary Public | |
| | | | | | | |
| " accurate i | OMPLETE APPLICATIONS WILL BE PROCESSED. To information; maps, if necessary, must be included; sign opriate fee must be paid. | | | | | |
| 17 7 7 | information; maps, if necessary, must be included; sign | | propriate ov | | | |

SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

| pro Wit | visions of the Kansas Water Appropriation Law, K.S.A. 82a- | 08b, as amended, and K.A.R. 5-5-1, et seq. and other applicable -701 et. seq., and rules and regulations promulgated thereunder, n, this Summary Order does not change the terms, conditions and |
|------------|---|---|
| 1. | A change application was received on | ber be changed as described in the application. |
| 2. | On and after the effective date of this summary order, the author to the topographic map accompanying the application to characteristics. | thorized place(s) of use shall be located substantially as shown on ange the place of use. Applicable Not Applicable |
| 3. | The change in point of diversion shall not impair existing right previously authorized. The point of diversion authorized by radius of the authorized point(s) of diversion. | nts and shall be limited to the same source or sources of water as by this summary order shall be located within a foot ole Not Applicable |
| 4. | The point(s) of diversion described herein is administrative Positioning System (GPS), as described in the application | ely corrected to be more accurately described using the Global n. ☐ Applicable ☒ Not Applicable |
| 5. | The point(s) of diversion authorized herein shall not actually authorized point(s) of diversion. ヌ Applicable □ N | be located more than feet from the previously lot Applicable |
| 6. | As required by K.A.R. 5-3-5d, if the works for diversion is a wor other device suitable for making water level measureme K.A.R. 5-6-13. Applicable Not Applicable | well with a diversion rate of 100 gallons per minute or more, a tube ents shall be installed, operated and maintained in accordance with |
| 7. | December 31, 20 or before the first use of water, operated and maintained in accordance with K.A.R. 5-1-4 | operly install an acceptable water flow meter on or before whichever occurs first. The water flow meter shall be installed, through 5-1-12. As required by K.S.A. 82a-732, as amended, and the reading of the water flow meter and the total quantity of water ing the end of each calendar year. |
| 8. | Installation of the works for diversion of water shall be authorized extension of time. By March 1, 20 the works for diversion has been completed, on the form prov Applicable Not Applicable | completed on or before December 31, 20, or within any applicant shall notify the Chief Engineer that construction of the ided by the Chief Engineer, as required by K.A.R. 5-8-4e. |
| 9. | The completed well log shall be submitted with the requ | ired notice. ✓ Applicable □ Not Applicable |
| 10. | with an in-line, automatic, quick-closing check valve capa | foreign substance will be injected into the water shall be equipped ble of preventing pollution of the source of the water supply. The in accordance with K.A.R. 5-3-5c. 🛛 Applicable 🗌 Not Applicable |
| 11. | Additional Conditions are attached. Yes No | |
| 12. | water appropriated under the above-referenced file number limitations, as amended and/or supplemented by this Sun Appropriation Law and the Rules and Regulations promu | A.R. 5-5-14, all of the owners of the authorized place(s) of use of oper are responsible for compliance with its terms, conditions and nmary Order, and with applicable provisions of the <i>Kansas Water</i> algated thereunder. Failure to comply with these provisions may needed, and/or the suspension or revocation and dismissal of the ons authorized by law. |
| | Administrative Appeal and Effective Date of Order | FOR OFFICE USE ONLY |
| lf vo | ou are aggrieved by this order, pursuant to K.S.A. 82a-1901, | APPLICATION APPROVED AND |
| you | may request an evidentiary hearing before the Chief gineer or request administrative review by the Secretary of | SUMMARY ORDER ISSUED |
| Agr | iculture. A request for hearing by the Chief Engineer must be | By: Into Malen |
| adn | d within 15 days of service of this Order and a request for ninistrative review by the Secretary must be filed within 30 | Duly Authorized Designee of the Chief Engineer |
| | rs pursuant to K.S.A. 77-531. Any request for administrative lew must state a basis for review pursuant to K.S.A. 77-527. | (Print Name): Austra Mollock Division of Water Resources - Kansas Department of Agriculture |
| File | any request with Kansas Department of Agriculture, gal Division, 1320 Research Park Drive, Manhattan, KS | Date of Issuance: November 30, 2022 |
| 665 | 02. Failure to timely request a hearing or review may clude review under the Kansas Judicial Review Act. | State of Kansas)) SS |
| | For Use by Register of Deeds | County of time () |
| | | Acknowledged before me on November 30, 2023 |
| | | by Austin McColloch. |
| | | Signature: |
| | | Notary Public |
| | | My commission expires My Appointment Expires (Notery Seal), 2022 |
| | | |

File No. _____

Downey Drilling Inc.



CUSTOMER NAME: G & J FUND (UNRUH FARMS)

LEGAL: NW 2-30S-30W

#1 Nonth

COUNTY: MEADE CO, KS

GPS: 37.470648

-100.579456

| FROM | то | ТҮРЕ | HARDNESS | COLOR | SPEED | WO: PULL DOWN | 21-1786 OTHER / DRILLING ACTION |
|------|-----|--|----------|------------------|--------------|---------------------|---------------------------------|
| 0 | 3 | TOP SOIL | SOFT | DRK BROWN | FAST | | SMOOTH |
| 3 | 8 | BROWN SILTY CLAY | SOFT | BROWN | FAST | | SMOOTH |
| 8 | 37 | BROWN SILTY CLAY W/ CALICHE | SOFT | BROWN & WHITE | FAST | | SMOOTH & CHOPPY |
| 37 | 44 | SANDY CLAY | SOFT | TAN | FAST | | SMOOTH |
| 44 | 60 | FINE SAND W/ SANDY CLAY | SOFT | TAN | FAST | | VIBRATION & SMOOTH |
| 60 | 77 | FINE-MED-COARSE SAND | FIRM | | FAST | | FAST CHATTER |
| 77 | 78 | HARD SPOT | HARD | | SLOW | x | CHATTER |
| 78 | 94 | SANDY CLAY W/ CEMENTED SAND LEDGES | FIRM | TAN & WHITE | SEMI SLOW | | SMOOTH & CHOPPY |
| 94 | 103 | YELLOW SANDY CLAY | SOFT | YELLOW | FAST | | SMOOTH |
| 103 | 109 | SANDY CLAY W/ FINE SAND | SOFT | | FAST | | SMOOTH & VIBRATION |
| 109 | 116 | FINE-MED-COARSE SAND | FIRM | | FAST | | FAST CHATTER |
| 116 | 118 | CEMENTED SAND | STIFF | WHITE | SLOW | | CHATTER |
| 118 | 143 | FINE-MED-COARSE GRAVEL W/ FINE-MED-COARSE SAND | STIFF | | FAST | | CHATTER |
| 143 | 146 | BROWN SANDY CLAY | SOFT | BROWN | FAST | | sмоотн |
| 146 | 155 | FINE-MED-COARSE SAND | FIRM | | FAST | | FAST CHATTER |
| 155 | 171 | BROWN CLAY | STICKY | BROWN | FAST | | ѕмоотн |
| 171 | 175 | FINE-MED-COARSE SAND | FIRM | | FAST | | FAST CHATTER |
| 175 | 180 | BROWN CLAY | SOFT | BROWN | FAST | | ѕмоотн |
| 180 | 193 | FINE-MED-COARSE SAND | FIRM | | FAST | , | FAST CHATTER |
| 193 | 198 | SANDY CLAY | SOFT | TAN | FAST | | SMOOTH |
| 198 | 227 | FINE-MED-COARSE SAND | FIRM | | FAST | | FAST CHATTER |
| 227 | 256 | FINE-MED-COARSE SAND W/ FINE-MED GRAVEL | STIFF | | FAST | | CHATTER |
| 256 | 259 | FINE-MED-COARSE SAND FINE-MED-COARSE SAND W/ FINE-MED GRAVEL SANDY CLAY LAYER FINE-MED-COARSE SAND W/ FINE GRAVEL | SOFT | TAN | FAST | | SMOOTH |
| 259 | 328 | FINE-MED-COARSE SAND W/ FINE GRAVEL | FIRM | | FAST | | FAST CHATTER |
| 328 | 350 | FINE-MED-COARSE SAND W/ LIME ROCK | FIRM | WHITE | FAST | | FAST CHATTER |
| 350 | 355 | FINE-MED-COARSE SAND W/ CEMENTED SAND | STIFF | WHITE | SEMI | | CHATTER |
| 355 | 369 | SANDY CLAY W/ LIME ROCK | FIRM | WHITE | FAST | | SMOOTH & CHOPPY |
| 369 | 374 | FINE-MED-COARSE SAND | FIRM | | FAST | | FAST CHATTER |
| 374 | 375 | HARD ROCK LIME | HARD | WHITE | SLOW | x | CHATTER |
| 375 | 379 | FINE-MED-COARSE SAND | FIRM | | FAST | | FAST CHATTER |
| 379 | 380 | WHITE CLAY | SOFT | WHITE | SLOW | | SMOOTH |
| 380 | 405 | SANDY CLAY W/ FINE-MED-COARSE SAND | FIRM | TAN | FAST | | SMOOTH & CHOPPY |
| 405 | 431 | FINE-MED-COARSE SAND | FIRM | NA/LIITE 8 | FAST | | FAST CHATTER |
| 431 | 435 | LIME ROCK W/ SANDY CLAY & FINE SAND | FIRM | WHITE & | FAST | | CHOPPY & VIBRATION |
| 435 | 449 | WHITE & TAN SANDY CLAY | SOFT | WHITE & | FAST | | SMOOTH |

| | 1 | | | | FAST | | CHOPPY |
|-----|-------|--|-------|-------------------|--------------|-----------|--------------|
| 55 | 466 | BROWN STICKY CLAY | | BROWN | FAST | | SMOOTH |
| 66 | 505 | FINE SAND W/ LIME ROCK | FIRM | WHITE | FAST | 10.00 | FAST CHATTER |
| 505 | 527 | BROWN CLAY W/ SANDY CLAY | SOFT | BROWN | FAST | | SMOOTH |
| 27 | 529 | FINE SAND | SOFT | | FAST | (S. 1)-1: | VIBRATION |
| 529 | 531 | BROWN ROCK | STIFF | BROWN | FAST SEMI | | СНОРРУ |
| 31 | 537 | YELLOW SOAPSTONE | SOFT | YELLOW BLACK & | SLOW | | VIBRATION |
| 537 | 560 | SHALE | SOFT | BLACK & | SLOW | | SMOOTH |
| | i i | | | | | | |
| | | QG - 6 | | | | | |
| | 41 | WATER LOADS - 1 1/2 | | | | | |
| | | SA - 1/2 | | | | | |
| | | EZ MUD - 1/4 | | | | | - |
| | | HOLE PLUG - 2 | | | | | |
| | | CS - 1 | | | | | |
| | | 00-1 | | <u> </u> | | | |
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OTHER SERVICES:

G & J FUND (UNRUH FARMS)

COMPANY

: DOWNEY DRILLING INC

WELL

: G & J FUND (UNRUH FARMS TH#1

LOCATION/FIELD :

COUNTY

: MEADE

LOCATION

: NW

SECTION

: 2

TOWNSHIP

: 30S

RANGE: 30W

DATE

: 07/13/22

PERMANENT DATUM : GL

KB :

LOG BOTTOM

DEPTH DRILLER : 560

LOG MEASURED FROM: GL

LOG TOP

: 559.30

DRL MEASURED FROM: GL

DF GL

: 1.00 CASING DIAMETER: 10.

LOGGING UNIT

: 1903

CASING TYPE :

FIELD OFFICE

: DDI

CASING THICKNESS:

RECORDED BY

: DIEGO

BIT SIZE

: 6.25

BOREHOLE FLUID : MUD

FILE : ORIGINAL

MAGNETIC DECL. : 0

RM

TYPE : 8144A

MATRIX DENSITY : 2.71

RM TEMPERATURE :

LGDATE: 07/13/22

NEUTRON MATRIX : LIMESTON

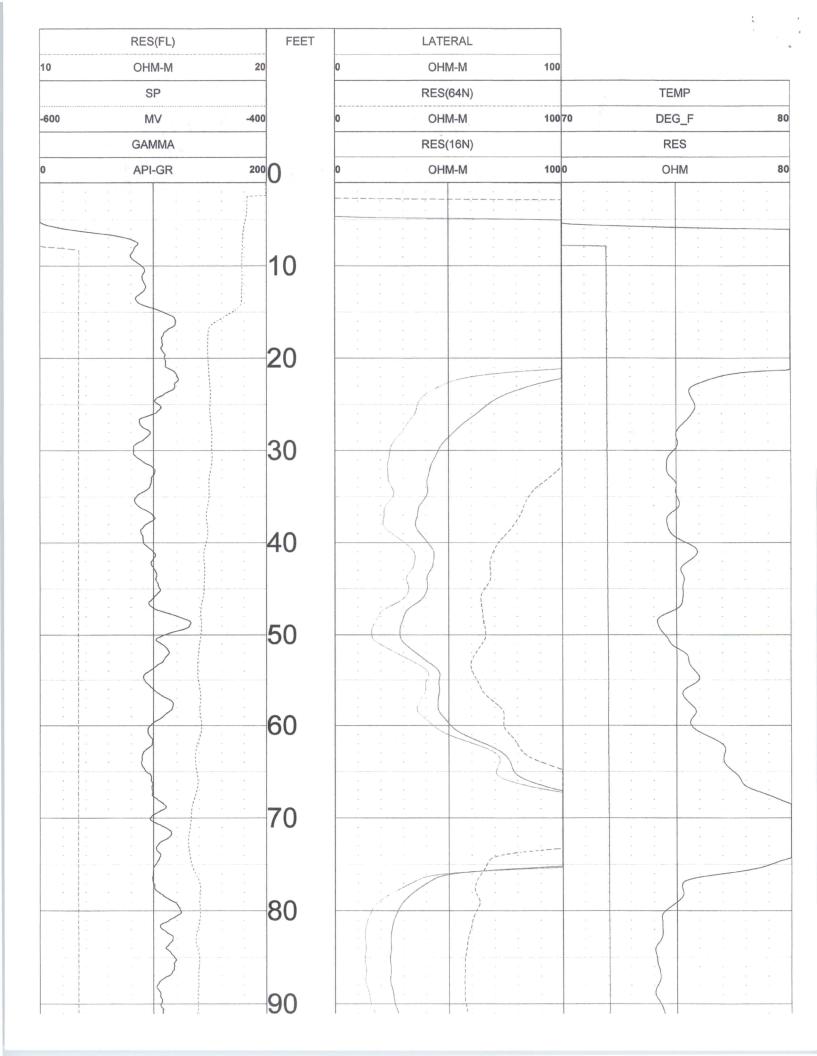
MATRIX DELTA T : 49

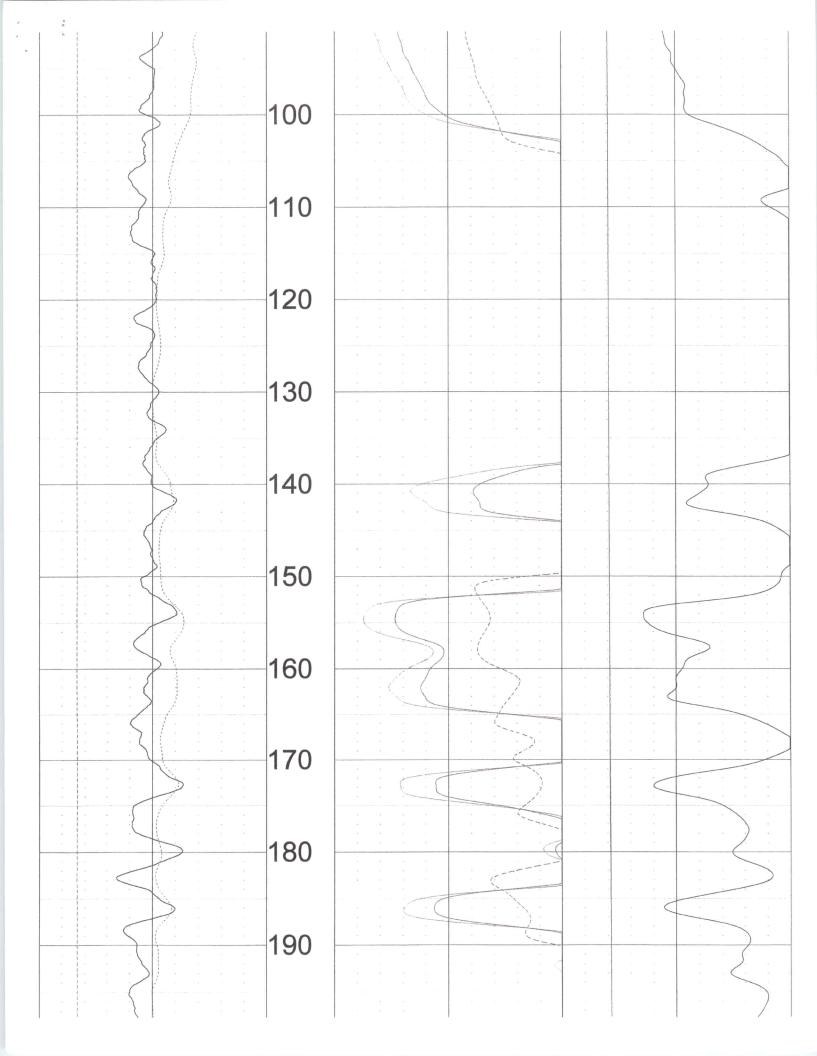
LGTIME: 14:02:

THRESH: 99999

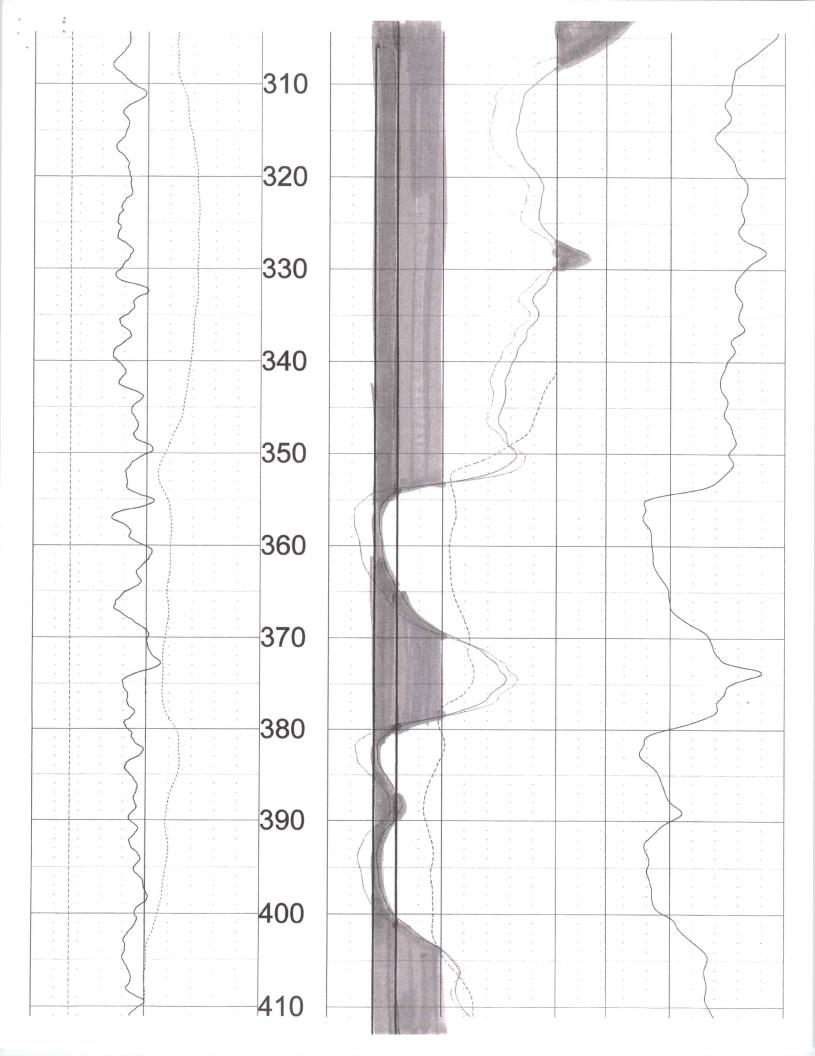
N 37.47064 W -100.57945

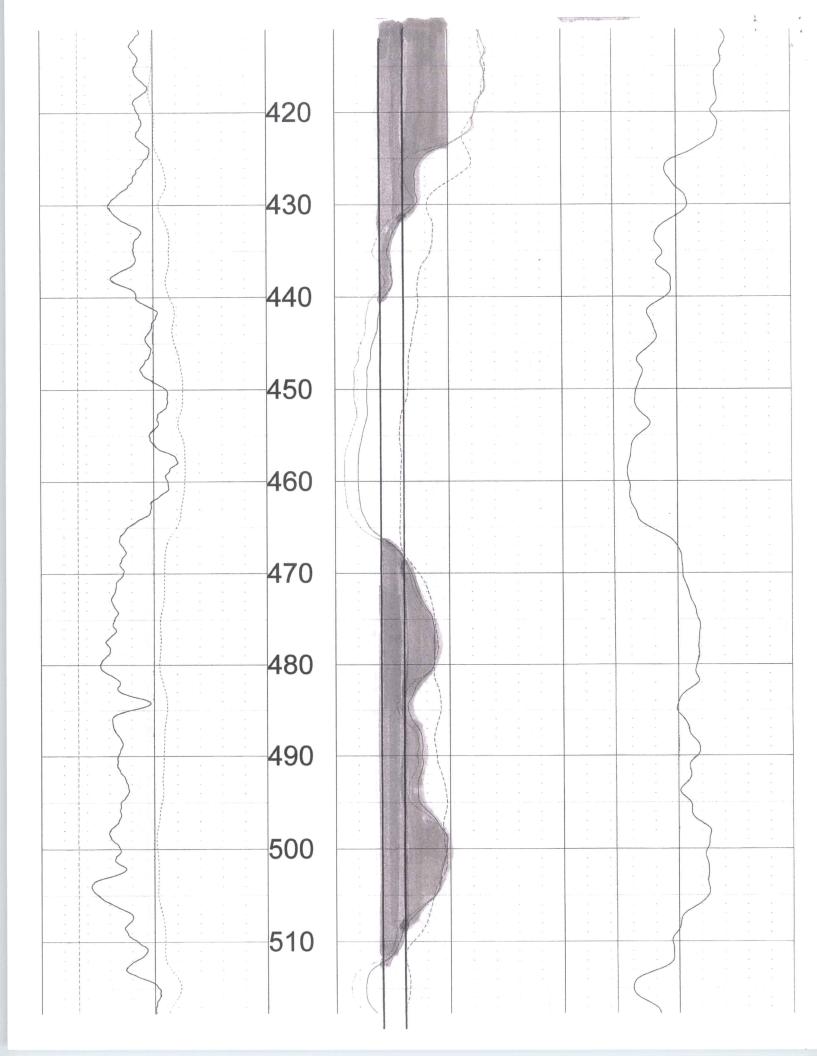
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

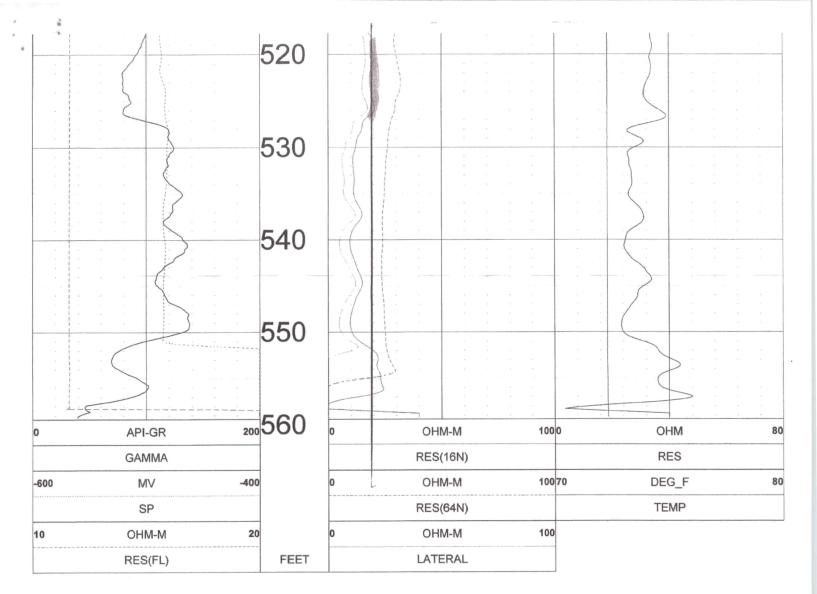




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| 290 | |
| 300 | STATIC |







TOOL CALIBRATION G & J FUND (UNRUH FARMS) 07/13/22 14:02 TOOL 8144A TM VERSION 1 SERIAL NUMBER 365

| | DATE | TIME | SENSOR | S | TANDARD | RES | PONSE |
|---|----------------------|----------------------|------------------|------------------|-----------------------|---------------------|----------------|
| 1 | Feb08,18 | 07:51:35 | GAMMA | 1.000 | [API-GR] | 4.000 | [CPS] |
| 2 | Feb08,18 Jul12,17 | 07:51:35 13:24:17 | GAMMA RES(FL) | 340.000 1.330 | [API-GR] [OHM-M] | 290.000 7595.000 | [CPS] [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] |