### KOLAR Document ID: 1511850

| Confident | tiality Re | equested: |
|-----------|------------|-----------|
| Yes       | No         |           |

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION Form ACO-1 January 2018 Form must be Typed Form must be Signed All blanks must be Filled

#### WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

| OPERATOR: License #                                 | API No.:   |
|---|--|
| Name:   | Spot Description:  |
| Address 1:  |  |
| Address 2:  | Feet from Dorth / South Line of Section                  |
| City: State: Zip:+                                  | Feet from East / West Line of Section                    |
| Contact Person:                                     | Footages Calculated from Nearest Outside Section Corner: |
| Phone: ()   |  |
| CONTRACTOR: License #                               | GPS Location: Lat:, Long:                                |
| Name:   | (e.g. xx.xxxx) (e.gxxx.xxxx)                             |
| Wellsite Geologist:                                 | Datum: NAD27 NAD83 WGS84                                 |
| Purchaser:  | County:  |
| Designate Type of Completion:                       | Lease Name: Well #:                                      |
| New Well Re-Entry Workover                          | Field Name:  |
|   | Producing Formation:                                     |
| ☐ Oil ☐ WSW ☐ SWD<br>□ Gas □ DH □ EOR               | Elevation: Ground: Kelly Bushing:                        |
|   | Total Vertical Depth: Plug Back Total Depth:             |
| CM (Coal Bed Methane)                               | Amount of Surface Pipe Set and Cemented at: Feet         |
| Cathodic Other (Core, Expl., etc.):                 | Multiple Stage Cementing Collar Used?                    |
| If Workover/Re-entry: Old Well Info as follows:     | If yes, show depth set: Feet                             |
| Operator:   | If Alternate II completion, cement circulated from:      |
| Well Name:  | feet depth to:w/sx cmt.                                  |
| Original Comp. Date: Original Total Depth:          |  |
| Deepening Re-perf. Conv. to EOR Conv. to SWD        | Drilling Fluid Management Plan                           |
| Plug Back Liner Conv. to GSW Conv. to Producer      | (Data must be collected from the Reserve Pit)            |
|   | Chloride content: ppm Fluid volume: bbls                 |
| Commingled Permit #:      Dual Completion Permit #: | Dewatering method used:                                  |
| SWD     Permit #:                                   | Location of fluid disposal if hauled offsite:            |
| EOR Permit #:                                       | Location of huid disposa in nauled offsite.              |
| GSW     Permit #:                                   | Operator Name:   |
|   | Lease Name: License #:                                   |
| Spud Date or Date Reached TD Completion Date or     | Quarter Sec TwpS. R East West                            |
| Recompletion Date Recompletion Date                 | County: Permit #:  |
|   |  |

#### AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

# Submitted Electronically

| KCC Office Use ONLY                             |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
| Confidentiality Requested                       |  |  |  |  |  |  |
| Date:   |  |  |  |  |  |  |
| Confidential Release Date:                      |  |  |  |  |  |  |
| Wireline Log Received Drill Stem Tests Received |  |  |  |  |  |  |
| Geologist Report / Mud Logs Received            |  |  |  |  |  |  |
| UIC Distribution                                |  |  |  |  |  |  |
| ALT I II III Approved by: Date:                 |  |  |  |  |  |  |

#### KOLAR Document ID: 1511850

| Operator Nar | ne: |      |           | Lease Name: | Well #: |
|--------------|-----|------|-----------|-------------|---------|
| Sec          | Twp | S. R | East West | County:     |         |

Page Two

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| Drill Stem Tests Taken Yes (Attach Additional Sheets)   |                         | ′es 🗌 No            |                                   | Log Formation (Top), Depth and Datum |   |                               | Sample                               |   |                               |
|---|-------------------------|---------------------|-----------------------------------|--------------------------------------|---|-------------------------------|--------------------------------------|---|-------------------------------|
| Samples Sent to Geolo   |                         |                     | ⁄es 🗌 No                          | 1                                    | Name  | Э                             |                                      | Тор   | Datum                         |
| Cores Taken<br>Electric Log Run<br>Geologist Report / Mud<br>List All E. Logs Run:                              |                         | □ Y<br>□ Y          | Yes ☐ No<br>Yes ☐ No<br>Yes ☐ No  |                                      |   |                               |                                      |   |                               |
|   |                         | Rep                 | CASING<br>ort all strings set-c   |                                      | ] Ne  | w Used<br>rmediate, productio | on. etc.                             |   |                               |
| Purpose of String   | Size Hole<br>Drilled    | Siz                 | ze Casing<br>et (In O.D.)         | Weight<br>Lbs. / Ft.                 |   | Setting<br>Depth              | Type of<br>Cement                    | # Sacks<br>Used   | Type and Percent<br>Additives |
|   |                         |                     |                                   |                                      |   |                               |                                      |   |                               |
|   |                         |                     |                                   |                                      |   |                               |                                      |   |                               |
| [   |                         |                     | ADDITIONAL                        | CEMENTING /                          | SQU   | EEZE RECORD                   |                                      |   |                               |
| Purpose:  | Depth<br>Top Bottom     | Туре                | e of Cement                       | # Sacks Use                          | d   |                               | Type and Percent Additives           |   |                               |
| Protect Casing Plug Back TD Plug Off Zone   |                         |                     |                                   |                                      |   |                               |                                      |   |                               |
| <ol> <li>Did you perform a hydra</li> <li>Does the volume of the</li> <li>Was the hydraulic fracture</li> </ol> | total base fluid of the | hydraulic fr        | acturing treatment                |                                      | -   | ☐ Yes<br>ns? ☐ Yes<br>☐ Yes   | No (If No, s                         | kip questions 2 ar<br>kip question 3)<br>ill out Page Three |                               |
| Date of first Production/Inj<br>Injection:  | jection or Resumed Pr   | oduction/           | Producing Meth                    | iod:                                 |   | Gas Lift 🗌 O                  | ther <i>(Explain)</i>                |   |                               |
| Estimated Production<br>Per 24 Hours  | Oil                     | Bbls.               | Gas Mcf Water Bbls. Gas-Oil Ratio |                                      |   | Gas-Oil Ratio                 | Gravity                              |   |                               |
| DISPOSITIO  | N OF GAS:               |                     | Ν                                 | IETHOD OF COM                        | MPLE  | TION:                         |                                      |   | ON INTERVAL:                  |
| Vented Sold<br>(If vented, Subn   | Used on Lease           |                     | Open Hole Perf.                   |                                      | Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4) |                               | •                                    | Top Bottom  |                               |
| Shots Per Perforation Perforation Brid<br>Foot Top Bottom   |                         | Bridge Plug<br>Type | Bridge Plug<br>Set At             |                                      | Acid,   |                               | ementing Squeezend of Material Used) |   |                               |
|   |                         |                     |                                   |                                      |   |                               |                                      |   |                               |
|   |                         |                     |                                   |                                      |   |                               |                                      |   |                               |
|   |                         |                     |                                   |                                      |   |                               |                                      |   |                               |
|   |                         |                     |                                   |                                      |   |                               |                                      |   |                               |
| TUBING RECORD:  | Size:                   | Set At:             |                                   | Packer At:                           |   |                               |                                      |   |                               |

| Form      | ACO1 - Well Completion |  |  |  |
|-----------|------------------------|--|--|--|
| Operator  | L. D. Drilling, Inc.   |  |  |  |
| Well Name | KAUK 2-17              |  |  |  |
| Doc ID    | 1511850                |  |  |  |

Tops

| Name        | Тор  | Datum |
|-------------|------|-------|
| ANHYDRITE   | 2726 | +479  |
| BASE ANHY   | 2754 | +451  |
| STOTLER     | 3614 | -409  |
| HEEBNER     | 4018 | -813  |
| LANSING     | 4060 | -855  |
| BASE KANSAS | 4322 | -1117 |
| PAWNEE      | 4444 | -1239 |
| FORT SCOTT  | 4502 | -1297 |
| CHEROKEE    | 4531 | -1326 |
| MISSISSIPPI | 4648 | -1443 |

| Form      | ACO1 - Well Completion |
|-----------|------------------------|
| Operator  | L. D. Drilling, Inc.   |
| Well Name | KAUK 2-17              |
| Doc ID    | 1511850                |

# Casing

| Purpose<br>Of String | Size Hole<br>Drilled | Size<br>Casing<br>Set | Weight | Setting<br>Depth | Type Of<br>Cement | Number of<br>Sacks<br>Used | Type and<br>Percent<br>Additives |
|----------------------|----------------------|-----------------------|--------|------------------|-------------------|----------------------------|----------------------------------|
| Surface              | 12.25                | 8.625                 | 23     | 334              | 60/40<br>POZMIX   | 340                        | 3% CC                            |
| Production           | 7.875                | 5.5                   | 15.5   | 4743             | EA-2              |                            | 6%<br>Gilsonite                  |
| Production           | 7.875                | 5.5                   | 15.5   | 4743             | SMD               | 300                        | N/A                              |
|                      |                      |                       |        |                  |                   |                            |                                  |



# FIELD SERVICE TICKET 1718 18556 A

| BASIC                       |
|-----------------------------|
| ENERGY SERVICES             |
| PRESSURE PUMPING & WIRELINE |

| 10244 NE Hwy. 61    |
|---------------------|
| P.O. Box 8613       |
| Pratt, Kansas 67124 |
| Phone 620-672-1201  |
|                     |

|               | URE POMPING |             |     |     |            |       | DATE        | TICKET NO.      |              |            |
|---------------|-------------|-------------|-----|-----|------------|-------|-------------|-----------------|--------------|------------|
| DATE OF 11-29 | 5-19 DI     | STRICT Prat | +   |     |            |       |             | WDW             | ORDER N      | ER<br>IO.: |
| CUSTOMER L    |             | Drilling    |     |     | LEASE      | (Au   | К           | -               | WELL         | NO. 2-1-   |
| ADDRESS       |             |             |     |     | COUNTY     | Thur  | mas         | STATE           | 45           |            |
| CITY STATE    |             |             |     |     | SERVICE OF | REW M | 14114(      | rigran<br>To Su | MArg         | 4.02       |
| AUTHORIZED BY |             |             |     |     | JOB TYPE;  | 2     | -42 8       | 78 Su           | 1 RAY        |            |
| EQUIPMENT#    | HRS         | EQUIPMENT#  | HRS | EQU | JIPMENT#   | HRS   | TRUCK CALL  |                 | ATE AM       | TIME       |
| 86779         | .5          |             |     |     |            |       | ARRIVED AT  | JOB 11-         | 25           | 10.00      |
| 19960         | 15          |             |     |     |            |       | START OPER  | ATION           | AM           | 10:37      |
|               |             |             |     |     |            |       | FINISH OPEF | ATION           |              | 11:06      |
|               |             |             |     |     |            |       | RELEASED    |                 | AM<br>PM     | 11:45      |
|               |             |             |     |     |            |       | MILES FROM  | STATION TO WI   | ELL <i>l</i> | w          |

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered), The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP,

SIGNED:

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE<br>REF. NO.    | MATERIAL, EQUIPME                     | NT AND SERVICES USED       | UNIT     | QUANTITY     | UNIT PRICE      | \$ AMOUN | ۲  |
|---------------------------|---------------------------------------|----------------------------|----------|--------------|-----------------|----------|----|
| BCIZZ                     | 60/40 POZ                             |                            | Su       | 340          |                 |          | 00 |
| COLOZ                     | (ell of the                           |                            |          | 85           |                 |          | 00 |
| 20109                     | CALCIUM Chioride                      |                            | 15       | 879          |                 | 340      | 00 |
| CCL31                     | Sugar                                 |                            | lb       | 100          |                 |          | 00 |
| meloj                     | LUSHT Ker Miles                       |                            | mi       | 100          |                 |          | 00 |
| Meloz                     | HEAVY EL Miles                        |                            | A.       | 200          |                 |          | 00 |
| CCL                       | depth charge                          | 0-1000                     | br       | L            |                 | 1,200    | -  |
| (2243)                    | blend + mix                           |                            | 51       | 340          |                 | 476      |    |
| Be143                     | Supervisor                            |                            | 24       | 1            |                 |          | U. |
| 13 e 1 44                 | Pivrol                                |                            | er       | 3            |                 |          | w  |
|                           |                                       |                            |          |              |                 |          |    |
|                           |                                       |                            |          |              |                 |          |    |
|                           |                                       |                            |          |              |                 |          |    |
|                           |                                       |                            |          |              |                 |          |    |
|                           |                                       |                            |          |              |                 |          |    |
|                           |                                       |                            | _        |              |                 |          |    |
|                           |                                       |                            | _        |              |                 |          |    |
|                           |                                       |                            | _        |              |                 |          | _  |
|                           |                                       |                            |          |              |                 |          |    |
| CHEN                      | MICAL / ACID DATA:                    |                            |          |              | SUB TOTAL       | 14,855   | 00 |
|                           |                                       | SERVICE & EQU              | IPMENT   | %TAX         | ON \$           |          |    |
|                           |                                       | MATERIALS                  |          | %TAX         | ON \$           |          |    |
|                           |                                       |                            |          |              | TOTAL           | 9 11511  | -  |
|                           |                                       |                            |          |              | JUNE            | 8,104    | 50 |
|                           |                                       |                            |          |              | -ww             |          |    |
| SERVICE<br>REPRESENTATIVE | mike mattal                           | THE ABOVE MATERIAL AND SEP | RVICE    | - VOS        | 1 Mar           |          |    |
| REPHESENTATIVE            | i i i i i i i i i i i i i i i i i i i | ORDERED BY CUSTOMER AND    |          |              | Meya            |          |    |
| FIELD SERVICE OF          | RDER NO.                              |                            | (WELL OW | INER OPERATO | R CONTRACTOR OR | AGENT)   |    |



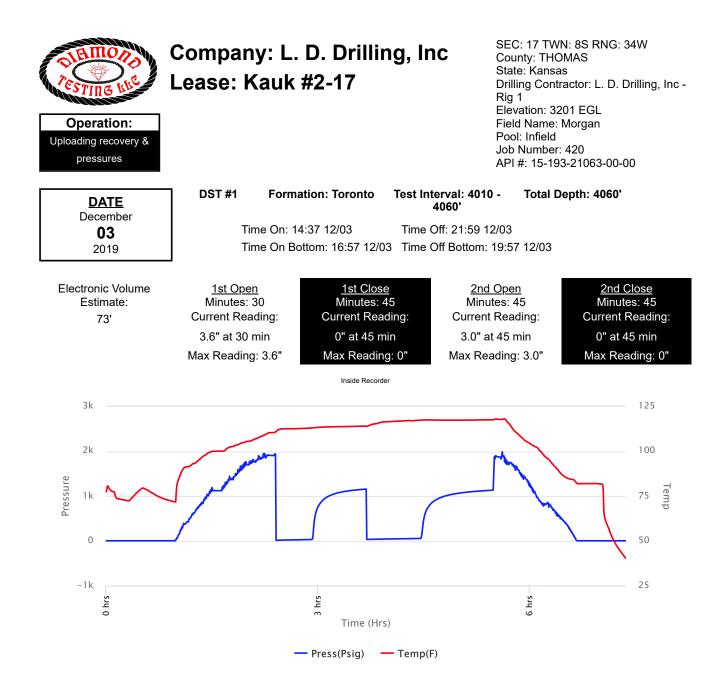
# TREATMENT REPORT

| Customer                | LDI       | Dri         | lling     | 9    | L     | ease No.      |       |                   |            |                   | Date                           | 11      |          | <b>C</b> ,  | 0.        |
|-------------------------|-----------|-------------|-----------|------|-------|---------------|-------|-------------------|------------|-------------------|--------------------------------|---------|----------|-------------|-----------|
|                         | KAUK      |             |           |      |       | Vell #        | ۲     | -17               |            |                   |                                |         |          | 5-1         |           |
| Field Order             | #6 Statio | on (        | oru       | r    |       |               |       | Casing            | 8 5/8 Dept | h-237             | County                         | Th      | JM.      | 75          | State 45  |
| Type Job                |           |             |           |      |       |               |       |                   | Formation  | 1                 |                                |         | Legal De | scription - | 085-34    |
| PIP                     | E DATA    |             | PER       | FORA | TING  | DATA          |       | FLUID             | USED       |                   | TI                             |         |          | RESUME      |           |
| Casing Size             | Tubing S  | Size        | Shots/F   | =t   |       |               | Acid  | 340               | 60/4       | , PUZF            | RATE                           | PRES    | S        | ISIP        |           |
| Depthy 34               | Depth     |             | From      |      | То    |               | Pre   | Pad               |            | Max               |                                |         |          | 5 Min.      |           |
| Volume 1.7              |           |             | From      |      | То    |               | Pad   |                   |            | Min               |                                |         |          | 10 Min.     |           |
| Max Presso              |           |             | From      |      | То    |               | Frac  |                   |            | Avg               |                                |         |          | 15 Min.     |           |
| Well Songecti           |           |             | From      |      | То    |               |       |                   |            | HHP Used          |                                |         |          | Annulus I   |           |
| PlugDeeth               | Packer D  |             | From      |      | То    |               | Flush | ~                 |            | Gas Volum         |                                |         |          | Total Loa   | d         |
| Customer Rep            |           |             | <i>cy</i> |      |       |               |       | <sup>ger</sup> We | STOIMAN    |                   | Treate                         | r m     | ATT      | W7)         |           |
| Service Units<br>Driver |           | _           |           | 376  |       | 867           | 79    |                   | 70959      |                   |                                |         |          | _           |           |
| Names                   | Casing    |             | ubing     |      |       | m             |       |                   | 11.4       | rener             |                                |         |          |             |           |
| Time                    | Pressure  |             | essure    | Bbls | . Pum | ped           | R     | late              | 120        | 1.2007            | ~1.1.0                         | Service | Log      | e\(         | e or inti |
| 10:00                   | 100       | 0           |           |      | 2     |               | Ц     | ,                 | Pum        | LOCAT<br>P36      | h                              | 15      |          | yru         | eer ju t  |
| 10:34                   |           | 150         |           |      | 5     | 7             |       | Γ. <i>Υ</i>       |            | 30                |                                |         |          | 145         | PUZ       |
| 11:00                   | 175       | 14.2.       |           |      | -     | $\rightarrow$ |       | 3                 |            | ALT di            |                                |         |          | 907         |           |
| 11:06                   |           | -           |           |      | 2.    | 7             |       | )                 | Pru        | g dow             | nto                            | hu      | r ih     | well        |           |
|                         |           |             |           |      |       |               |       |                   | in         | T TU              | $-\frac{1}{\langle c \rangle}$ | AK      | ACO      |             |           |
|                         |           |             |           |      |       |               |       |                   |            |                   |                                |         |          |             |           |
|                         |           |             |           |      |       |               |       |                   |            |                   |                                |         |          |             |           |
|                         |           |             |           |      |       |               |       |                   |            |                   |                                |         | JUI      |             | mplets    |
|                         |           |             |           |      |       |               |       |                   |            |                   |                                |         |          |             | nk Koul   |
|                         |           |             |           |      |       |               |       |                   |            |                   |                                |         |          | Mati        |           |
|                         |           |             |           |      |       |               |       |                   |            |                   |                                | M.1     | h -      | + E         | OMUND     |
|                         |           | <u> </u>    |           |      |       |               |       |                   |            |                   |                                |         |          |             |           |
|                         |           |             |           |      |       |               |       |                   |            |                   |                                | _       |          | _           |           |
|                         |           |             |           |      |       |               |       |                   |            |                   |                                |         |          |             |           |
|                         |           | <u>.</u>    |           |      |       |               |       |                   |            |                   |                                |         |          |             |           |
|                         |           |             |           |      |       |               | _     |                   |            |                   |                                |         |          |             |           |
|                         |           |             |           |      |       |               |       |                   |            |                   |                                |         |          |             |           |
|                         |           |             |           |      |       |               |       |                   |            |                   |                                |         |          |             |           |
|                         |           |             |           |      |       |               |       |                   |            |                   |                                |         |          |             |           |
|                         |           |             |           |      |       |               |       |                   |            |                   |                                |         |          |             |           |
| 10244                   | NE Hiw    | ay <u>6</u> | 51 • P.   | О. В | ox 8  | 613 •         | Prat  | t, KS <u>6</u>    | 7124-861   | 3 • (62 <u>0)</u> | 672 <u>-</u> 1                 | 201     | • Fax    | (620) 6     | 72-5383   |

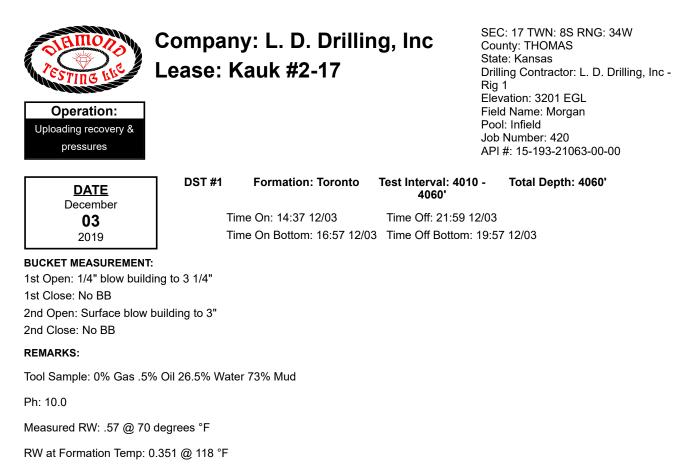
|            | SWIFT OPERATOR   | GUSTOME          | DATE SIGNED        | START OF WORK OR DELIVERY OF GOODS.   | MIST RE SIGNED BY CHISTOMED OD CHISTO                          | the terms and conditions on the reverse side hereof which include,<br>but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and</b> |  |   |   | - MJ                     | 409       | Soln      | 40                      | 403           | 579                   | 575             | REFERENCE SECONDARY REFERENCE              | REFERRAL LOCATION    | 4                          | ω            | 1. SERVICE LOCATIONS | Services, Inc.        |                    | CIVIET     |
|------------|--|------------------|--------------------|---|--|---|--|---|---|--------------------------|-----------|-----------|-------------------------|---------------|-----------------------|-----------------|--|----------------------|----------------------------|--------------|----------------------|-----------------------|--------------------|------------|
| inter and  | APPROVAL   |                  | TIME SIGNED I A.M. | - OMER'S AGEN   PHICH   C   |  | <ul> <li>by acknowledges and agrees to</li> <li>verse side hereof which include,</li> <li>RELEASE, INDEMNITY, and</li> </ul>          |  |   |   | 1                        | ~         |           |                         |               |                       |                 | REFERENCE/ ACCOUNTING<br>UMBER LOC ACCT DF | INVOICE INSTRUCTIONS |                            |              |                      | CITY, ST.             | ADDRESS            | CHARGE TO: |
|            | Partylices   |                  |                    | P.O. BOX 466<br>NESS CITY. KS 67560   | SWIFT SERVICES, INC.   | REMIT PAYMENT TO:   |  |   | - | Div Htch down plue & boy | HUNDOLIZE | D.V. tool | inset floct shoe w Avio | Coment PARtet | Ping Change (2 stage) | MILEAGE YRK 114 | F DESCRIPTION                              |                      | Development Levert 2 stage | Ø            | KAUK                 | CITY, STATE, ZIP CODE | s Uturs retruction | ナーチー       |
|            | ne customer nereby acknowledges receipt of the materials and services listed on this ticket. |                  |                    | WE OPERATED THE EQUIPMENT<br>AND PERFORMED JOB<br>CALCULATIONS<br>SATISFACTORILY? | MET YOUR NEEDS?<br>OUR SERVICE WAS<br>PERFORMED WITHOUT DELAY? | AGAEE   |  |   |   | le 52 m 1                | 53 1 10   | 52 à la   | -                       | 53/4 2        | 1 (                   | 100 mi          | QTY, UM QTY, U                             | -                    | WELL PERMIT NO.            | VIAT /Kation |                      |                       |                    |            |
| Inank You! |  | D TOTAL JUSDAJAU |                    | Ky Hanil Smann  | 19,654 aa  | PAGE TOTAL 7750 00  |  | - |   | 2                        | 9000      | 337500 33 | 32500                   | 60            | 61 80                 | 500 500 00      | UNIT AMOUNT                                | - 1                  | WELL LOCATION              | ORDER NO.    | L2 Bec 19 OWNER      |                       | 87.67 CD 13000     | TICKET     |

| 4                |         |               |   |  |   |   | SECONDARY REFERENCE/<br>PART NUMBER  | Off Nes  |
|------------------|---------|---------------|---|--|---|---|--|--|
|                  |         |               |   |  |   | -   | 5  | min cos  |
|                  |         |               | T   |  |   |   | ACCOUNTING<br>LOC ACCT DF TIME   | Ness City, KS 67560<br>Off: 785-798-2300               |
| ADD Troval havis | A DIEXO | frishute      | horland 322   | Salt   | ł   | Convert (   | DESCRIPTION  | CUSTOMER DAVIS POHODOUM                                |
| NN<br>2          | 3 641   |               | 1/2   |  | 50016 SISK  | - Secolar of  |  | WELL KACK 2-17   |
|                  |         | 1312          | 8 00 850  | 25   | red Ph  | 8 8   | 3  | DATE DEC 19 MICES OF                                   |
|                  | 8 00 B  | $\frac{3}{2}$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\frac{2}{2} = \frac{100}{6} \frac{15}{12} \frac{1}{25} = \frac{1}{50} \frac{1}{15} \frac{1}{15} = \frac{1}{50} \frac{1}{15} \frac{1}{15} = \frac{1}{50} \frac{1}{15} \frac{1}{15$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\frac{Connect}{2} (\frac{1}{2} + 2 + 2) = \frac{1}{2} = $ | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ |

DATE PAGE NO. SWIFT Services. Inc. JOB LOG 12 DEC 19 CUSTOMER Doors Petroleum LEASE KAUK JOB TYPE (In 125) CAR (IN STREET NO. 32928 DESCRIPTION OF OPERATION AND MATERIALS WELL NO. 2-17 CHART RATE (BPM) PUMPS VOLUME PRESSURE (PSI) TIME NO. (BBL) (GAL) TC TUBING CASING 1755K EA-2 count w/6# Gibson te 2008K SND count w/ 19# flocela 52"× 155# casing 110 Hs 4743' DU tool 2765 # Broket "6, 46 shoejt 43" ContelEzecs 1, 3, 5, 7, 9, 11, 13, 15, 17, 47 0500 M loe TPK 114 start St" 15.5 th Casing in well 1024 1330 cieculate - drop hall mix EA2count 17552 4 49 1430 200 Drop 12 stage plug wash out Fung & Lin Diplace plug w/ H20 1445 200 45 Susteh to mud 70 Land 1st stage plug 1500 150 10 111 Drop bould 1950 open D.V. tool 1200 1555 FP-CIRCulate well - wash free MAR SM Plug RH 395 1800 6 412 SAND comet 1700 @ 11.6 pg 90 mix ND Drop Just stare plus Displace plug w 6 20 #20 60 6 600 1845 6 66 1500 And stage DI PCP Keleose pressure to truck - deied up wash frech 1855 Job corplite 1925 time lint 15ht



|   | Company: I<br>Lease: Kau |                    | ng, Inc            | Cou<br>Sta<br>Dril<br>Rig<br>Ele<br>Fiel<br>Poo<br>Job |                      | L. D. Drilling, Inc -<br>L<br>n |
|---|--------------------------|--------------------|--------------------|--|----------------------|---------------------------------|
| DATE  | DST #1 Fo                | rmation: Toronto   | Test Interv<br>406 |  | Total Depth:         | 4060'                           |
| December<br><b>03</b>                       | Time On                  | : 14:37 12/03      | Time Off:          | 21:59 12/03  |                      |                                 |
| 2019  | Time On                  | Bottom: 16:57 12/0 | 3 Time Off I       | Bottom: 19:5   | 7 12/03              |                                 |
|   |                          |                    |                    |  |                      |                                 |
| Recovered                                   |                          |                    | •                  | <b>O</b> !! 0/   |                      |                                 |
| Foot <u>BBLS</u><br>95 0.9747               | Descriptio<br>SLW        |                    | <u>Gas %</u><br>0  | <u>Oil %</u><br>0                                      | <u>Water %</u><br>14 | Mud %                           |
| 95 0.9747                                   | SLW                      |                    | 0                  | 0  | 14                   | 86                              |
| Total Recovered: 95<br>Total Barrels Recove |                          | Reversed Out<br>NO |                    | Recover  | ry at a glance       |                                 |
| Initial Hydrostatic Press                   | sure 1900                | PSI                | 0.5                |  |                      |                                 |
| ,<br>Initial F                              |                          | PSI                | 0.5                |  |                      |                                 |
| Initial Closed in Press                     | ure 1153                 | PSI                |                    |  |                      |                                 |
| Final Flow Press                            | sure 31 to 52            | PSI                |                    |  |                      |                                 |
| Final Closed in Press                       | ure 1128                 | PSI                | 0                  |  | Recov                | /erv                            |
| Final Hydrostatic Press                     | ure 1898                 | PSI                |                    |  | Recov                |                                 |
| Tempera                                     | ture 118                 | °F                 |                    | 🛑 Gas  | 🕈 Oil 🛛 🗧 Wa         | ter 🔎 Mud                       |
|   |                          |                    |                    | 0%   | 0% 14                | % 86%                           |
| Pressure Change In                          | itial 2.2                | %                  |                    |  |                      |                                 |
| Close / Final Cl                            | ose                      |                    | GIP cubic foot     | volume: 0  |                      |                                 |



Chlorides: 15,000 ppm



Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL

**Operation:** Uploading recovery & pressures

Field Name: Morgan Pool: Infield Job Number: 420 API #: 15-193-21063-00-00

| DATE<br>December | DST #1 | Formation: Toronto        | Test Interval: 4010 -<br>4060' | Total Depth: 4060' |
|------------------|--------|---------------------------|--------------------------------|--------------------|
| 03               | Tir    | ne On: 14:37 12/03        | Time Off: 21:59 12/03          |                    |
| 2019             | Tir    | ne On Bottom: 16:57 12/03 | Time Off Bottom: 19:57         | 12/03              |

## **Down Hole Makeup**

| Heads Up:                                | 25.77 FT      | Packer 1:        | 4004.75 FT |
|--|---------------|------------------|------------|
| Drill Pipe:                              | 4002.95 FT    | Packer 2:        | 4009.75 FT |
| ID-3 1/4                                 |               | Top Recorder:    | 3994.17 FT |
| Weight Pipe:<br>ID-2 7/8                 | 0 FT          | Bottom Recorder: | 4048 FT    |
| Collars:                                 | 0 FT          | Well Bore Size:  | 7 7/8      |
| ID-2 1/4                                 |               | Surface Choke:   | 1"         |
| <b>Test Tool:</b><br>ID-3 1/2-FH<br>Jars | 33.57 FT      | Bottom Choke:    | 5/8"       |
| Safety Joint                             |               |                  |            |
| Total Anchor:                            | 50.25         |                  |            |
| Anchor                                   | <u>Makeup</u> |                  |            |
| Packer Sub:                              | 1 FT          |                  |            |
| Perforations: (top):<br>4 1/2-FH         | 3 FT          |                  |            |
| Change Over:                             | 1 FT          |                  |            |
| Drill Pipe: (in anchor):<br>ID-3 1/4     | 31.25 FT      |                  |            |
| Change Over:                             | 1 FT          |                  |            |
| Perforations: (below):<br>4 1/2-FH       | 13 FT         |                  |            |

 $1\Pi$ **Operation:** 

Company: L. D. Drilling, Inc Lease: Kauk #2-17

SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield

Uploading recovery & pressures

Job Number: 420 API #: 15-193-21063-00-00

| DATE<br>December | DST #1 | Formation: Toronto         | Test Interval: 4010 -<br>4060' | Total Depth: 4060' |
|------------------|--------|----------------------------|--------------------------------|--------------------|
| 03               | Ti     | ime On: 14:37 12/03        | Time Off: 21:59 12/03          |                    |
| 2019             | Ti     | ime On Bottom: 16:57 12/03 | Time Off Bottom: 19:57         | 12/03              |
|                  |        |                            |                                |                    |

### **Mud Properties**

Mud Type: Chemical Weight: 8.7

Viscosity: 50

Filtrate: 7.2

Chlorides: 2,000 ppm

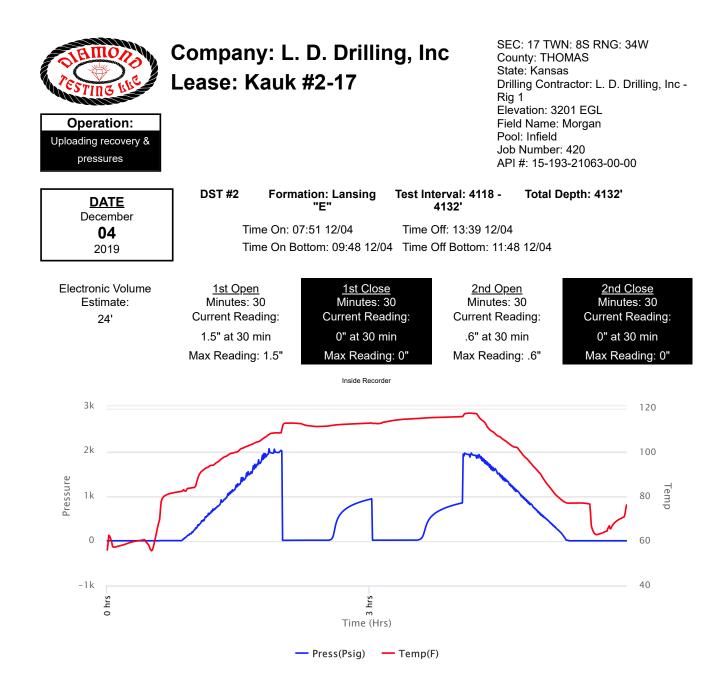


Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield Job Number: 420 API #: 15-193-21063-00-00

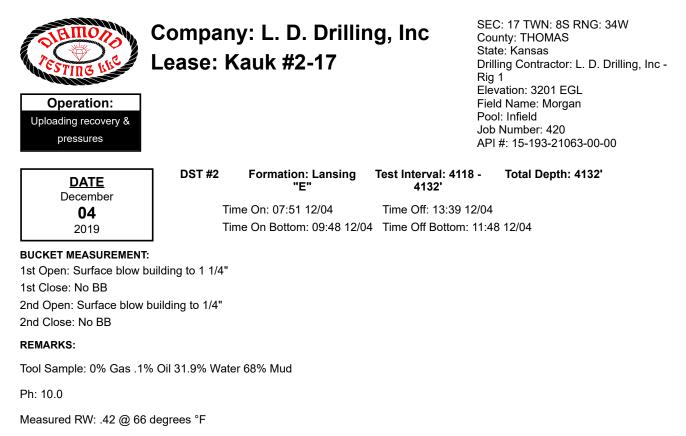
| DATE<br>December | DST #1 | Formation: Toronto        | Test Interval: 4010 -<br>4060' | Total Depth: 4060' |
|------------------|--------|---------------------------|--------------------------------|--------------------|
| 03               | Tin    | ne On: 14:37 12/03        | Time Off: 21:59 12/03          |                    |
| 2019             | Tin    | ne On Bottom: 16:57 12/03 | Time Off Bottom: 19:57         | 12/03              |

# Gas Volume Report

|      | 1st Open |     |       |  |      | 2nd Oj  | oen |       |
|------|----------|-----|-------|--|------|---------|-----|-------|
| Time | Orifice  | PSI | MCF/D |  | Time | Orifice | PSI | MCF/D |



|   | Company<br>Lease: Ka | : L. D. Drill<br>uk #2-17 | ing, Inc       | Cou<br>Sta<br>Dril<br>Rig<br>Ele<br>Fiel<br>Poo<br>Job |                | L. D. Drilling, Inc -<br>L |
|---|----------------------|---------------------------|----------------|--|----------------|----------------------------|
| DATE<br>December                            | DST #2               | Formation: Lansing<br>"E" |                | val: 4118 -<br>32'                                     | Total Depth: 4 | 1132'                      |
| 04  | Time                 | On: 07:51 12/04           | Time Off       | : 13:39 12/04  |                |                            |
| 2019  | Time                 | On Bottom: 09:48 12       | 2/04 Time Off  | Bottom: 11:48  | 8 12/04        |                            |
|   |                      |                           |                |  |                |                            |
| <u>Recovered</u>                            |                      |                           |                |  |                |                            |
| Foot BBLS                                   |                      | ption of Fluid            | <u>Gas %</u>   | <u>Oil %</u>   | <u>Water %</u> | Mud %                      |
| 15 0.1539                                   | ) 8                  | SLWCM                     | 0              | 0  | 10             | 90                         |
| Total Recovered: 15<br>Total Barrels Recove |                      | Reversed Out<br>NO        |                | Recover  | y at a glance  |                            |
| Initial Hydrostatic Press                   | sure 1968            | PSI                       | 0.1            |  |                |                            |
| Initial Figures                             |                      |                           | BBL            |  |                |                            |
| Initial Closed in Press                     |                      | PSI                       |                |  |                |                            |
| Final Flow Press                            |                      | 5 PSI                     |                |  | _              |                            |
| Final Closed in Press                       | sure 846             | PSI                       | 0              |  | Recov          |                            |
| Final Hydrostatic Press                     | ure 1957             | PSI                       |                |  | Recov          | ery                        |
| Tempera                                     | ture 117             | °F                        |                | 🛑 Gas  | • Oil • Wat    | ter 🔎 Mud                  |
|   |                      |                           |                | 0%   | 0% 10%         | 6 90%                      |
| Pressure Change Ir                          | nitial 9.6           | %                         |                |  |                |                            |
| Close / Final Cl                            | lose                 |                           | GIP cubic foot | t volume: 0  |                |                            |



RW at Formation Temp: 0.247 @ 117 °F

Chlorides: 15,000 ppm



Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Operation: Uploading recovery & pressures Field Name: Morgan Pool: Infield Job Number: 420 API #: 15-193-21063-00-00

| DATE<br>December | DST #2 | Format     |
|------------------|--------|------------|
| 04               | Tir    | me On: 07: |
| 2019             | Tir    | ne On Bot  |

 
 T #2
 Formation: Lansing "E"
 Test Interval: 4118 -4132'
 Total Depth: 4132'

 Time On: 07:51 12/04
 Time Off: 13:39 12/04

Time On Bottom: 09:48 12/04 Time Off Bottom: 11:48 12/04

#### **Down Hole Makeup**

| Heads Up:                            | 11.98 FT      | Packer 1:        | 4113 FT    |
|--------------------------------------|---------------|------------------|------------|
| Drill Pipe:                          | 4097.41 FT    | Packer 2:        | 4118 FT    |
| ID-3 1/4                             |               | Top Recorder:    | 4102.42 FT |
| Weight Pipe:<br>ID-2 7/8             | 0 FT          | Bottom Recorder: | 4120 FT    |
| Collars:                             | 0 FT          | Well Bore Size:  | 7 7/8      |
| ID-2 1/4                             |               | Surface Choke:   | 1"         |
| <b>Test Tool:</b><br>ID-3 1/2-FH     | 33.57 FT      | Bottom Choke:    | 5/8"       |
| Jars                                 |               |                  |            |
| Safety Joint                         |               |                  |            |
| Total Anchor:                        | 14            |                  |            |
| Anchor                               | <u>Makeup</u> |                  |            |
| Packer Sub:                          | 1 FT          |                  |            |
| Perforations: (top):<br>4 1/2-FH     | 0 FT          |                  |            |
| Change Over:                         | 0 FT          |                  |            |
| Drill Pipe: (in anchor):<br>ID-3 1/4 | 0 FT          |                  |            |
| Change Over:                         | 0 FT          |                  |            |
| Perforations: (below):<br>4 1/2-FH   | 13 FT         |                  |            |



Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield Uploading recovery & pressures

Job Number: 420 API #: 15-193-21063-00-00

| ſ | DATE<br>December | DST #2 | Formation: Lansing<br>"E" | Test Interval: 4118 -<br>4132' | Total Depth: 4132' |
|---|------------------|--------|---------------------------|--------------------------------|--------------------|
|   | 04               | Tim    | ne On: 07:51 12/04        | Time Off: 13:39 12/04          |                    |
|   | 2019             | Tim    | ne On Bottom: 09:48 12/04 | Time Off Bottom: 11:48         | 12/04              |
|   |                  | -      |                           |                                |                    |

### **Mud Properties**

Mud Type: Chemical Weight: 9.2

Viscosity: 50

Filtrate: 8.8

Chlorides: 3,000 ppm

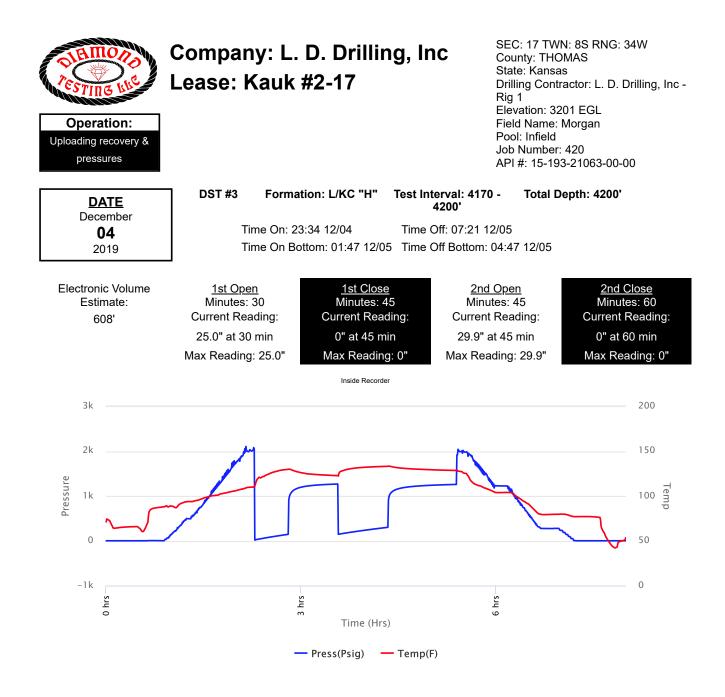


Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield Job Number: 420 API #: 15-193-21063-00-00

| DATE<br>December  | DST #2 | Formation: Lansing<br>"E"                       | Test Interval: 4118 -<br>4132'                  | Total Depth: 4132' |
|-------------------|--------|---|---|--------------------|
| <b>04</b><br>2019 |        | ne On: 07:51 12/04<br>ne On Bottom: 09:48 12/04 | Time Off: 13:39 12/04<br>Time Off Bottom: 11:48 | 12/04              |

# Gas Volume Report

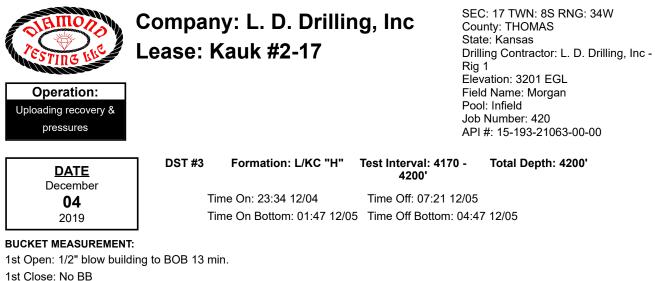
|      | 1st Op  | 1st Open |       |  | 2nd Open |         |     |       |
|------|---------|----------|-------|--|----------|---------|-----|-------|
| Time | Orifice | PSI      | MCF/D |  | Time     | Orifice | PSI | MCF/D |



| Operation<br>Uploading reco   | Lea<br>n:<br>very & | mpany: L.<br>ase: Kauk |                   | ng, Inc          | Co<br>St<br>Dr<br>Ri<br>El<br>Fi<br>Po<br>Jo | EC: 17 TWN: 8S F<br>bunty: THOMAS<br>ate: Kansas<br>illing Contractor: 1<br>g 1<br>evation: 3201 EG<br>eld Name: Morgan<br>ool: Infield<br>b Number: 420<br>PI #: 15-193-2106 | L. D. Drilling, Inc -<br>L<br>n |
|-------------------------------|---------------------|------------------------|-------------------|------------------|--|---|---------------------------------|
| DATE                          |                     | DST #3 Forma           | ation: L/KC "H"   | Test Inter<br>42 | val: 4170 -                                  | Total Depth:  | 4200'                           |
| Decemb                        |                     |                        |                   |                  |  |   |                                 |
| 04                            |                     |                        | 23:34 12/04       |                  | : 07:21 12/0                                 | -   |                                 |
| 2019                          |                     | Time On B              | ottom: 01:47 12/0 | 05 Time Off      | Bottom: 04:                                  | 47 12/05  |                                 |
| Bec                           | overed              |                        |                   |                  |  |   |                                 |
| Foot                          | BBLS                | <b>Description</b>     | of Fluid          | <u>Gas %</u>     | <u>Oil %</u>                                 | <u>Water %</u>  | <u>Mud %</u>                    |
| 1                             | 0.01026             | 0                      |                   | 0                | <u>0n 70</u><br>100                          | 0   | 0                               |
| 55                            | 0.5643              | МСНОС                  | CW                | 0                | 38   | 38  | 24                              |
| 125                           | 1.2825              | SLOCM                  |                   | 0                | 7  | 66  | 27                              |
| 380                           | 3.8988              | SLMCSL                 | CW                | 0                | 2  | 96  | 2                               |
| 65                            | 0.6669              | SLOCHV                 | /CM               | 0                | 2  | 31  | 67                              |
| Total Recove<br>Total Barrels |                     | : 6.42276              | eversed Out<br>NO | 5                | Recove                                       | ery at a glance   |                                 |
| Initial Hydros                | static Pressure     | 2001                   | PSI               |                  |  |   |                                 |
| -                             | Initial Flow        | 16 to 146              | PSI               | 8 2.5            |  |   |                                 |
| Initial Close                 | d in Pressure       | 1266                   | PSI               |                  |  |   |                                 |
| Final                         | Flow Pressure       | 146 to 301             | PSI               |                  |  |   |                                 |
| Final Close                   | d in Pressure       | 1257                   | PSI               | 0                |  | Recov   | erv                             |
| Final Hydros                  | tatic Pressure      | 2000                   | PSI               |                  |  |   | ,                               |
|                               | Temperature         | 134                    | °F                |                  | Gas O%                                       | Oil • Wate<br>6.32% 78.0  |                                 |
| Pressure                      | Change Initial      | 0.7                    | %                 |                  |  |   |                                 |

GIP cubic foot volume: 0

Close / Final Close



1st Close: No BB 2nd Open: Surface blow building to BOB 16 min. 2nd Close: No BB

#### REMARKS:

Tool Sample: 0% Gas .1% Oil 99.9% Water 0% Mud

Ph: 7.0

Measured RW: .19 @ 59 degrees °F

RW at Formation Temp: 0.089 @ 134 °F

Chlorides: 50,000 ppm



Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Operation: Uploading recovery & pressures Field Name: Morgan Pool: Infield Job Number: 420 API #: 15-193-21063-00-00

| DATE<br>December | DST #3 | Formation: L/KC "H"       | Test Interval: 4170 -<br>4200' | Total Depth: 4200' |
|------------------|--------|---------------------------|--------------------------------|--------------------|
| 04               | Tin    | ne On: 23:34 12/04        | Time Off: 07:21 12/05          |                    |
| 2019             | Tin    | ne On Bottom: 01:47 12/05 | 5 Time Off Bottom: 04:47       | 12/05              |

## **Down Hole Makeup**

| Heads Up:  | 22.95 FT      | Packer 1:        | 4165 FT    |
|--|---------------|------------------|------------|
| Drill Pipe:  | 4160.38 FT    | Packer 2:        | 4170 FT    |
| ID-3 1/4   |               | Top Recorder:    | 4154.42 FT |
| Weight Pipe:<br>ID-2 7/8                                 | 0 FT          | Bottom Recorder: | 4172 FT    |
| Collars:   | 0 FT          | Well Bore Size:  | 7 7/8      |
| ID-2 1/4   |               | Surface Choke:   | 1"         |
| <b>Test Tool:</b><br>ID-3 1/2-FH<br>Jars<br>Safety Joint | 33.57 FT      | Bottom Choke:    | 5/8"       |
| Total Anchor:  | 30            |                  |            |
| Anchor   | <u>Makeup</u> |                  |            |
| Packer Sub:  | 1 FT          |                  |            |
| Perforations: (top):<br>4 1/2-FH                         | 0 FT          |                  |            |
| Change Over:   | 0 FT          |                  |            |
| Drill Pipe: (in anchor):<br>ID-3 1/4                     | 0 FT          |                  |            |
| Change Over:   | 0 FT          |                  |            |
| Perforations: (below):<br>4 1/2-FH                       | 29 FT         |                  |            |

Operation:

Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield

| Uploading recovery & | ç |
|----------------------|---|
| pressures            |   |

Job Number: 420 API #: 15-193-21063-00-00

| DATE<br>December | DST #3 | Formation: L/KC "H"       | Test Interval: 4170 -<br>4200' | Total Depth: 4200' |
|------------------|--------|---------------------------|--------------------------------|--------------------|
| 04               | Ti     | me On: 23:34 12/04        | Time Off: 07:21 12/05          |                    |
| 2019             | Ti     | me On Bottom: 01:47 12/05 | Time Off Bottom: 04:47         | 12/05              |

### **Mud Properties**

Mud Type: Chemical Weight: 9.2

Viscosity: 50

Filtrate: 8.8

Chlorides: 3,000 ppm

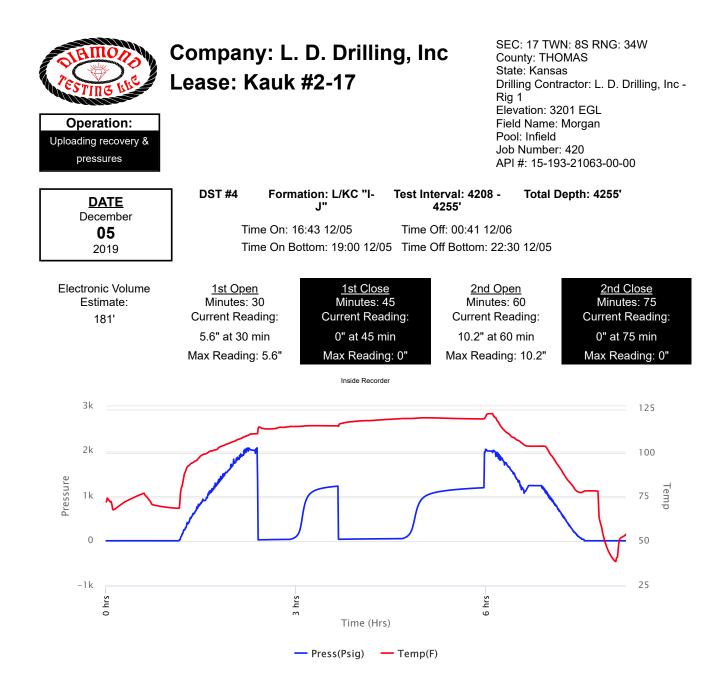


Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield Job Number: 420 API #: 15-193-21063-00-00

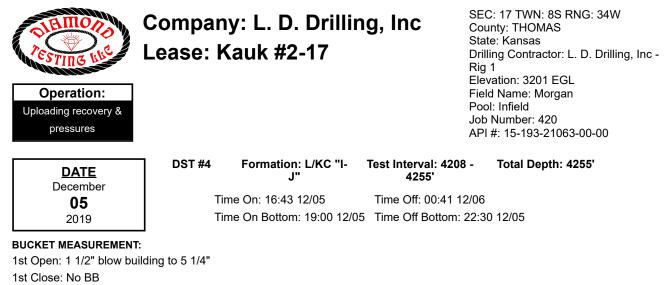
| DATE<br>December | DST #3 | Formation: L/KC "H"      | Test Interval: 4170 -<br>4200' | Total Depth: 4200' |
|------------------|--------|--------------------------|--------------------------------|--------------------|
| 04               | Tin    | ne On: 23:34 12/04       | Time Off: 07:21 12/05          |                    |
| 2019             | Tin    | ne On Bottom: 01:47 12/0 | 5 Time Off Bottom: 04:47       | 12/05              |

# Gas Volume Report

|      | 1st Op  | st Open |       |  | 2nd Open |         |     |       |
|------|---------|---------|-------|--|----------|---------|-----|-------|
| Time | Orifice | PSI     | MCF/D |  | Time     | Orifice | PSI | MCF/D |



|   | Company: L<br>_ease: Kauk |                   | ng, Inc             | Cou<br>Stat<br>Drilli<br>Rig<br>Elev<br>Field<br>Poo<br>Job |  | . D. Drilling, Inc - |
|---|---------------------------|-------------------|---------------------|---|--|----------------------|
| DATE                                    | DST #4 Form               | nation: L/KC "I-  | Test Interva<br>425 |   | Total Depth: 4   | 255'                 |
| December                                | Time On:                  | 16:43 12/05       |                     | 00:41 12/06   |  |                      |
| <b>05</b><br>2019                       |                           | Bottom: 19:00 12/ |                     |   | 12/05  |                      |
| 2019                                    |                           |                   |                     | 22.00   | 12,00  |                      |
| Recovered                               |                           |                   |                     |   |  |                      |
| Foot BBLS                               | <b>Description</b>        | of Fluid          | <u>Gas %</u>        | <u>Oil %</u>  | Water %  | <u>Mud %</u>         |
| 100 1.026                               | G                         |                   | 100                 | 0   | 0  | 0                    |
| 0 0                                     | HOC                       | М                 | 0                   | 36  | 0  | 64                   |
| Total Recovered: 100                    | ) ft 🗖                    |                   |                     | Recover   | y at a glance  |                      |
| Total Barrels Recove                    | red: 1.026                | Reversed Out      |                     |   | -  |                      |
|   |                           | NO                | 1                   |   |  |                      |
|   |                           |                   |                     |   |  |                      |
| Initial Hydrostatic Press               |                           | PSI               | III 0.5             |   |  |                      |
| Initial F                               | 2.1001                    | PSI               | Δ 0.5               |   |  |                      |
| Initial Closed in Press                 |                           | PSI               |                     |   |  |                      |
| Final Flow Press                        |                           | PSI               | 0                   |   |  |                      |
| Final Closed in Press                   |                           | PSI               | -                   |   | Recove   | ry                   |
| Final Hydrostatic Pressu                |                           | PSI               |                     |   |  |                      |
| Temperat                                | ure 121                   | °F                |                     | Gas 100%  | <ul> <li>Oil</li> <li>Wat</li> <li>0%</li> <li>0%</li> </ul> | ter lev Mud<br>0%    |
| Drossure Change In                      | itial 0.0                 | 0/                |                     | 100%  | 0% 0%  | U70                  |
| Pressure Change In<br>Close / Final Clo |                           | %                 | GIP cubic foot      | volume <sup>.</sup> 5 760                                   | )48  |                      |
| Close / Final Clo                       | use                       |                   |                     |   |  |                      |



1st Close: No BB 2nd Open: Surface blow building to 10" 2nd Close: No BB

REMARKS:

We slid about 5 ft. when setting tool

Tool Sample: 0% Gas 35% Oil 0% Water 65% Mud



Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Operation: Uploading recovery & pressures Field Name: Morgan Pool: Infield Job Number: 420 API #: 15-193-21063-00-00

| DATE<br>December | DST #4 | Formation:  <br>J''        |
|------------------|--------|----------------------------|
| 05               | Tir    | ne On: 16:43 12            |
| 2019             | Tir    | ne On Bottom: <sup>2</sup> |

۲ #4 Formation: L/KC "I- Test Interval: 4208 - Total Depth: 4255' J" 4255'

 Time On: 16:43 12/05
 Time Off: 00:41 12/06

 Time On Bottom: 19:00 12/05
 Time Off Bottom: 22:30 12/05

#### **Down Hole Makeup**

| Heads Up:                               | 16.15 FT      | Packer 1:        | 4203.28 FT |
|---|---------------|------------------|------------|
| Drill Pipe:                             | 4191.86 FT    | Packer 2:        | 4208.28 FT |
| ID-3 1/4                                |               | Top Recorder:    | 4192.7 FT  |
| Weight Pipe:<br>ID-2 7/8                | 0 FT          | Bottom Recorder: | 4249 FT    |
| Collars:                                | 0 FT          | Well Bore Size:  | 7 7/8      |
| ID-2 1/4                                |               | Surface Choke:   | 1"         |
| <b>Test Tool:</b><br><i>ID-3 1/2-FH</i> | 33.57 FT      | Bottom Choke:    | 5/8"       |
| Jars                                    |               |                  |            |
| Safety Joint                            |               |                  |            |
| Total Anchor:                           | 46.72         |                  |            |
| Anchor                                  | <u>Makeup</u> |                  |            |
| Packer Sub:                             | 1 FT          |                  |            |
| Perforations: (top):<br>4 1/2-FH        | 4 FT          |                  |            |
| Change Over:                            | 1 FT          |                  |            |
| Drill Pipe: (in anchor):<br>ID-3 1/4    | 31.72 FT      |                  |            |
| Change Over:                            | 1 FT          |                  |            |
| Perforations: (below):<br>4 1/2-FH      | 8 FT          |                  |            |

Operation:

Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield Uploading recovery & pressures

Job Number: 420 API #: 15-193-21063-00-00

| DATE<br>December | DST #4 | Formation: L/KC "I-<br>J" | Test Interval: 4208 -<br>4255' | Total Depth: 4255' |
|------------------|--------|---------------------------|--------------------------------|--------------------|
| 05               | Tin    | ne On: 16:43 12/05        | Time Off: 00:41 12/06          |                    |
| 2019             | Tin    | ne On Bottom: 19:00 12/05 | Time Off Bottom: 22:30         | 12/05              |
|                  |        |                           |                                |                    |

### **Mud Properties**

Mud Type: Chemical Weight: 9.3

Viscosity: 56

Filtrate: 8.0

Chlorides: 3,500 ppm

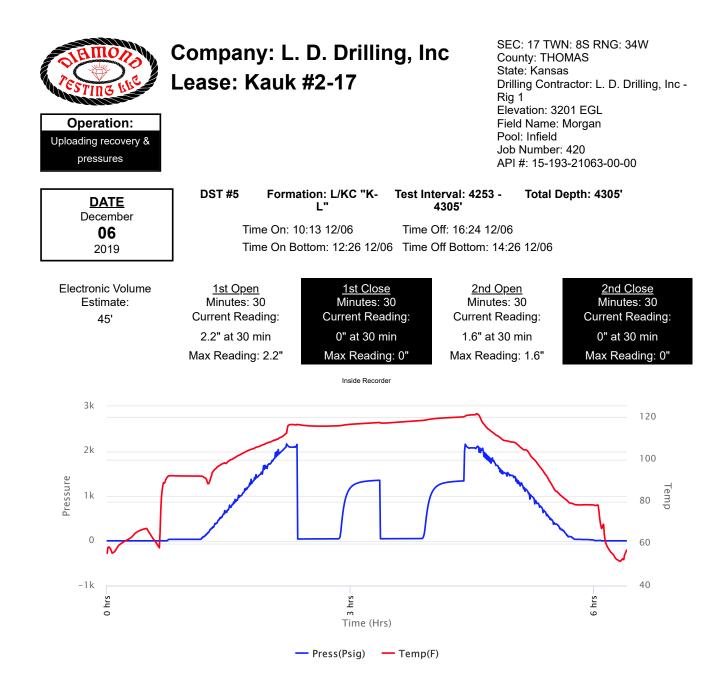


Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield Job Number: 420 API #: 15-193-21063-00-00

| DATE<br>December | DST #4 | Formation: L/KC "I-<br>J" | Test Interval: 4208 -<br>4255' | Total Depth: 4255' |
|------------------|--------|---------------------------|--------------------------------|--------------------|
| 05               | Tim    | e On: 16:43 12/05         | Time Off: 00:41 12/06          |                    |
| 2019             | Tim    | e On Bottom: 19:00 12/05  | Time Off Bottom: 22:30         | 12/05              |

# Gas Volume Report

| 1st Open |         |     | 2nd Open |      |         |     |       |
|----------|---------|-----|----------|------|---------|-----|-------|
| Time     | Orifice | PSI | MCF/D    | Time | Orifice | PSI | MCF/D |



|   | Company: L<br>_ease: Kauk |                       | ng, Inc            | Co<br>Sta<br>Dri<br>Rig<br>Ele<br>Fie<br>Po<br>Jol | C: 17 TW<br>Junty: THC<br>ate: Kansa<br>illing Contr<br>g 1<br>evation: 32<br>eld Name:<br>ol: Infield<br>b Number:<br>il #: 15-19 | MAS<br>s<br>actor: L. E<br>01 EGL<br>Morgan<br>420 | D. Drillin   | g, Inc -   |
|---|---------------------------|-----------------------|--------------------|--|--|--|--------------|------------|
| DATE<br>December                            | DST #5 Form               | ation: L/KC "K-<br>L" | Test Interv<br>430 |  | Total D  | epth: 430  | 5'           |            |
| December<br>06                              | Time On:                  | 10:13 12/06           | Time Off:          | 16:24 12/06  | 3  |  |              |            |
| 2019  | Time On I                 | Bottom: 12:26 12/0    | 6 Time Off         | Bottom: 14:2                                       | 26 12/06   |  |              |            |
|   |                           |                       |                    |  |  |  |              |            |
| Recovered                                   |                           |                       |                    |  |  |  |              |            |
| Foot BBLS                                   | <u>Description</u>        |                       | <u>Gas %</u>       | <u>Oil %</u>                                       |  | <u>er %</u>  | <u>Mud %</u> | <u>,</u>   |
| 30 0.3078                                   | M (trac                   | e O)                  | 0                  | .5   | (  | )  | 99.5         |            |
| Total Recovered: 30<br>Total Barrels Recove |                           | Reversed Out<br>NO    |                    | Recove   | ry at a gl   | ance   |              |            |
| Initial Hydrostatic Press                   | ure 2088                  | PSI                   | 0.2                |  |  |  |              |            |
| Initial F                                   |                           | PSI                   | BBL                |  |  |  |              |            |
| Initial Closed in Press                     | ure 1350                  | PSI                   |                    |  |  |  |              |            |
| Final Flow Press                            | ure 45 to 51              | PSI                   |                    |  |  |  |              |            |
| Final Closed in Press                       | ure 1335                  | PSI                   | 0                  |  |  | Recovery   |              |            |
| Final Hydrostatic Pressu                    | ure 2079                  | PSI                   |                    |  |  | necovery   |              |            |
| Temperat                                    | ure 121                   | °F                    |                    | Gas 0%   | • Oil<br>0.5%  | • Water<br>0%                                      |              | ud<br>9.5% |
| Pressure Change In<br>Close / Final Clo     |                           | %                     | GIP cubic foot     | volume: 0  |  |  |              |            |



1st Open: 1/4" blow building to 2" 1st Close: No BB 2nd Open: Surface blow building to 1 1/4" 2nd Close: No BB

**REMARKS**:

Tool Sample: 0% Gas 2% Oil 0% Water 98% Mud



Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Operation: Uploading recovery & pressures Field Name: Morgan Pool: Infield Job Number: 420 API #: 15-193-21063-00-00

DATE December 06 2019 DST #5 Formation: L/KC "K- Test Interval: 4253 - Total Depth: 4305' L" 4305'

 Time On: 10:13 12/06
 Time Off: 16:24 12/06

 Time On Bottom: 12:26 12/06
 Time Off Bottom: 14:26 12/06

#### **Down Hole Makeup**

| Heads Up:                            | 34.71 FT      | Packer 1:        | 4247.72 FT |
|--------------------------------------|---------------|------------------|------------|
| Drill Pipe:                          | 4254.86 FT    | Packer 2:        | 4252.72 FT |
| ID-3 1/4                             |               | Top Recorder:    | 4237.14 FT |
| Weight Pipe:<br>ID-2 7/8             | 0 FT          | Bottom Recorder: | 4292 FT    |
| Collars:                             | 0 FT          | Well Bore Size:  | 7 7/8      |
| ID-2 1/4                             |               | Surface Choke:   | 1"         |
| Test Tool:<br>ID-3 1/2-FH            | 33.57 FT      | Bottom Choke:    | 5/8"       |
| Jars<br>Safety Joint                 |               |                  |            |
| Total Anchor:                        | 52.28         |                  |            |
| Anchor                               | <u>Makeup</u> |                  |            |
| Packer Sub:                          | 1 FT          |                  |            |
| Perforations: (top):<br>4 1/2-FH     | 4 FT          |                  |            |
| Change Over:                         | 1 FT          |                  |            |
| Drill Pipe: (in anchor):<br>ID-3 1/4 | 31.28 FT      |                  |            |
| Change Over:                         | 1 FT          |                  |            |
| Perforations: (below):<br>4 1/2-FH   | 14 FT         |                  |            |

Operation:

Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield Uploading recovery & pressures

Job Number: 420 API #: 15-193-21063-00-00

| DATE<br>December | DST #5 | Formation: L/KC "K-<br>L" | Test Interval: 4253 -<br>4305' | Total Depth: 4305' |
|------------------|--------|---------------------------|--------------------------------|--------------------|
| 06               | Tim    | ne On: 10:13 12/06        | Time Off: 16:24 12/06          |                    |
| 2019             | Tim    | ne On Bottom: 12:26 12/06 | Time Off Bottom: 14:26         | 12/06              |
|                  |        |                           |                                |                    |

### **Mud Properties**

Mud Type: Chemical Weight: 9.3

Viscosity: 56

Filtrate: 8.0

Chlorides: 3,000 ppm



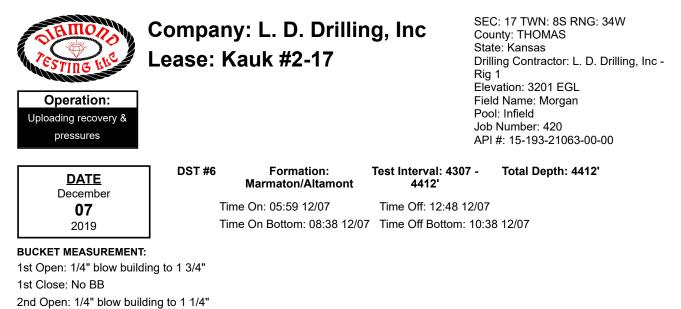
Company: L. D. Drilling, Inc Lease: Kauk #2-17

| DATE<br>December | DST #5 | Formation: L/KC "K-<br>L" | Test Interval: 4253 -<br>4305' | Total Depth: 4305' |
|------------------|--------|---------------------------|--------------------------------|--------------------|
| 06               |        | ne On: 10:13 12/06        | Time Off: 16:24 12/06          | 12/06              |
| 2019             | Tin    | ne On Bottom: 12:26 12/06 | 6 Time Off Bottom: 14:26       | 12/06              |

|      | 1st Op  | ben |       | 2nd Open |      |         |     |       |
|------|---------|-----|-------|----------|------|---------|-----|-------|
| Time | Orifice | PSI | MCF/D |          | Time | Orifice | PSI | MCF/D |



|   | Company<br>Lease: Ka | : L. D. Drilli<br>nuk #2-17     | ing, Inc           | Cou<br>Sta<br>Dril<br>Rig<br>Ele<br>Fiel<br>Poo<br>Job |                     | S<br>or: L. D. Drilling, Inc -<br>EGL<br>gan |  |
|---|----------------------|---------------------------------|--------------------|--|---------------------|--|--|
| DATE  | DST #6               | Formation:<br>Marmaton/Altamont | Test Interv<br>441 |  | Total Depth         | n: 4412'                                     |  |
| December<br><b>07</b>                       | Time                 | On: 05:59 12/07                 | Time Off:          | 12:48 12/07  |                     |  |  |
| 2019  | Time                 | On Bottom: 08:38 12             |                    |  | 8 12/07             |  |  |
|   |                      |                                 |                    |  |                     |  |  |
| Recovered                                   | <b>_</b>             |                                 | <b>o</b> •/        | 01.0/  |                     |  |  |
| Foot <u>BBLS</u><br>20 0.2052               |                      | <u>ption of Fluid</u><br>SLOCM  | <u>Gas %</u><br>0  | <u>Oil %</u><br>14                                     | <u>Water %</u><br>0 | <u>Mud %</u><br>86                           |  |
| 20 0.2052                                   |                      |                                 | 0                  |  | -                   |  |  |
| Total Recovered: 20<br>Total Barrels Recove |                      | Reversed Out<br>NO              |                    | Recover  | ry at a glanc       | ce   |  |
| Initial Hydrostatic Press                   | sure 2123            | PSI                             | - 0.1              |  |                     |  |  |
| Initial F                                   | low 12 to 13         | B PSI                           | 180.1              |  |                     |  |  |
| Initial Closed in Press                     | ure 147              | PSI                             |                    |  |                     |  |  |
| Final Flow Press                            | sure 15 to 15        | 5 PSI                           | 0                  |  |                     |  |  |
| Final Closed in Press                       | ure 47               | PSI                             | 0                  |  | Rec                 | covery                                       |  |
| Final Hydrostatic Press                     | ure 2115             | PSI                             |                    |  |                     |  |  |
| Tempera                                     | ture 118             | °F                              |                    | Gas<br>0%  |                     | Water <b>•</b> Mud<br>0% 86%                 |  |
| Pressure Change Ir                          | iitial 67.9          | %                               |                    |  |                     |  |  |
| Close / Final Cl                            | ose                  |                                 | GIP cubic foot     | volume: 0  |                     |  |  |



2nd Close: No BB



Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL

Field Name: Morgan Pool: Infield Job Number: 420 API #: 15-193-21063-00-00

| DATE<br>December   | DST #6<br>Ma | Formation:<br>armaton/Altamont          | Test Interval: 4307 -<br>4412'                  | Total Depth: 4412' |
|--|--------------|---|---|--------------------|
| <b>07</b><br>2019  |              | n: 05:59 12/07<br>n Bottom: 08:38 12/07 | Time Off: 12:48 12/07<br>Time Off Bottom: 10:38 | 12/07              |
| 2010   | -            |   |   |                    |
|  |              | Down Hole Ma                            | akeup   |                    |
| Heads Up:  | 11.98 FT     |   | Packer 1:                                       | 4301.97 FT         |
| Drill Pipe:  | 4286.38 FT   |   | Packer 2:                                       | 4306.97 FT         |
| ID-3 1/4   |              |   | Top Recorder:                                   | 4291.39 FT         |
| Weight Pipe:<br>ID-2 7/8                                 | 0 FT         |   | Bottom Recorder:                                | 4378 FT            |
| Collars:   | 0 FT         |   | Well Bore Size:                                 | 7 7/8              |
| ID-2 1/4   |              |   | Surface Choke:                                  | 1"                 |
| <b>Test Tool:</b><br>ID-3 1/2-FH<br>Jars<br>Safety Joint |              |   | Bottom Choke:                                   | 5/8"               |
| Total Anchor:  | 105.03       |   |   |                    |
|  | or Makeup    |   |   |                    |
| Packer Sub:  | 1 FT         |   |   |                    |
| Perforations: (top):<br>4 1/2-FH                         | 4 FT         |   |   |                    |
| Change Over:   | 1 FT         |   |   |                    |
| Drill Pipe: (in anchor):<br>ID-3 1/4                     | 63.03 FT     |   |   |                    |
| Change Over:   | 1 FT         |   |   |                    |
| Perforations: (below):<br>4 1/2-FH                       | 35 FT        |   |   |                    |

Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield



ΊN

**Operation:** 

Uploading recovery &

pressures

Uploading recovery & pressures

| DATE<br>December | DST #6 | Formation:<br>Marmaton/Altamont | Test Interval: 4307 -<br>4412' | Total Depth: 4412' |
|------------------|--------|---------------------------------|--------------------------------|--------------------|
| 07               | Tin    | ne On: 05:59 12/07              | Time Off: 12:48 12/07          |                    |
| 2019             | Tin    | ne On Bottom: 08:38 12/07       | Time Off Bottom: 10:38         | 12/07              |
|                  |        |                                 |                                |                    |

Viscosity: 56

## **Mud Properties**

Weight: 9.3 Mud Type: Chemical

Filtrate: 8.0

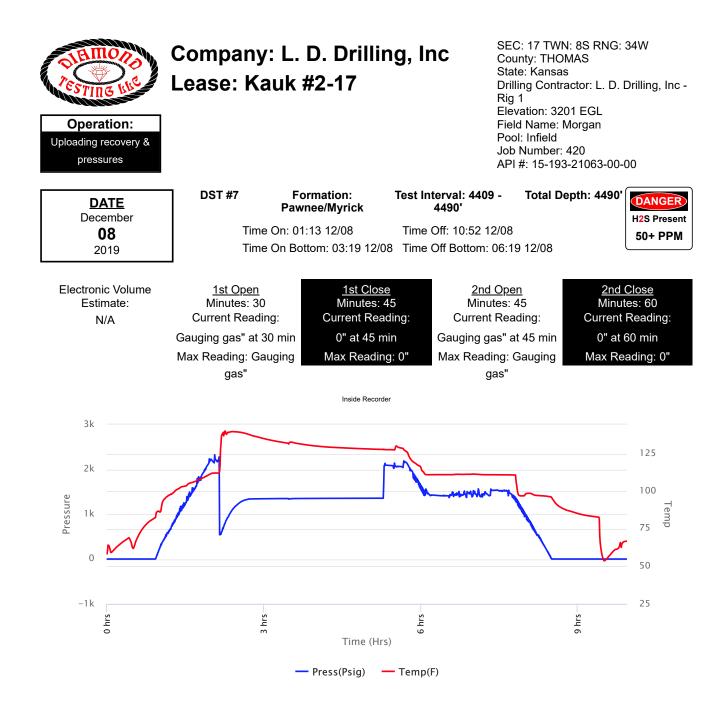
Chlorides: 3,500 ppm



Company: L. D. Drilling, Inc Lease: Kauk #2-17

| DATE<br>December | DST #6 | Formation:<br>Marmaton/Altamont | Test Interval: 4307 -<br>4412' | Total Depth: 4412' |
|------------------|--------|---------------------------------|--------------------------------|--------------------|
| 07               | Tim    | ne On: 05:59 12/07              | Time Off: 12:48 12/07          |                    |
| 2019             | Tim    | ne On Bottom: 08:38 12/07       | Time Off Bottom: 10:38         | 12/07              |

|      | 1st Open |     |       |      | 2nd Oj  | pen |       |
|------|----------|-----|-------|------|---------|-----|-------|
| Time | Orifice  | PSI | MCF/D | Time | Orifice | PSI | MCF/D |



|  | Company: I<br>_ease: Kau |                             | ing, Inc  | Co<br>Sta<br>Dri<br>Rig<br>Ele<br>Fie<br>Po | C: 17 TWN: 8S R<br>unty: THOMAS<br>ate: Kansas<br>Iling Contractor: L<br>of 1<br>evation: 3201 EGL<br>Id Name: Morgan<br>ol: Infield<br>o Number: 420<br>II #: 15-193-21063 | D. Drilling, Inc - |
|--|--------------------------|-----------------------------|---|---|---|--------------------|
| DATE<br>December                             | DST #7<br>F              | Formation:<br>Pawnee/Myrick | Test Interv<br>449                                  | al: 4409 -                                  | Total Depth: 4  |                    |
| 08   | Time On                  | : 01:13 12/08               | Time Off:   | 10:52 12/08                                 | 8   |                    |
| 2019   |                          | Bottom: 03:19 12            | 2/08 Time Off E                                     | Bottom: 06:1                                | 19 12/08  |                    |
|  |                          |                             |   |   |   |                    |
| <u>Recovered</u>                             |                          |                             |   |   |   |                    |
| Foot BBLS                                    | <u>Descriptio</u>        | <u>n of Fluid</u>           | <u>Gas %</u>  | <u>Oil %</u>                                | Water %   | <u>Mud %</u>       |
| 485 4.9761                                   | HM                       | CW                          | 0   | 0   | 57  | 43                 |
| 2425 24.8805                                 | SLM                      | CW                          | 0   | 0   | 87  | 13                 |
| 65 0.6669                                    | SLW                      | /CM                         | 0   | 0   | 15  | 85                 |
| Total Recovered: 297<br>Total Barrels Recove | -                        | Reversed Out<br>YES         | 20  | Recove                                      | ry at a glance  |                    |
| Initial Hydrostatic Press                    | ure 2178                 | PSI                         | _   |   |   |                    |
| Initial F                                    | low 543 to 1350          | PSI                         | -<br>На<br>10 — — — — — — — — — — — — — — — — — — — |   |   |                    |
| Initial Closed in Press                      | ure 1350                 | PSI                         |   |   |   |                    |
| Final Flow Press                             | ure 1337 to 1354         | PSI                         |   |   |   |                    |
| Final Closed in Press                        | ure 1357                 | PSI                         | 0   |   | Recove  | ry                 |
| Final Hydrostatic Pressu                     | ıre 2136                 | PSI                         |   |   | Recove  | • 7                |
| Temperat                                     | ure 140                  | °F                          |   | Gas 0%                                      | Oil • Water<br>0% 80.54   |                    |
| Pressure Change In<br>Close / Final Clo      |                          | %                           | GIP cubic foot                                      | volume: 0                                   |   |                    |

| Operation:<br>Uploading recovery &<br>pressures   | Company<br>Lease: Ka | r: L. D. Drillir<br>auk #2-17 | ng, Inc                     | SEC: 17 TWN: 8S RNG: 34W<br>County: THOMAS<br>State: Kansas<br>Drilling Contractor: L. D. Drilling, Inc -<br>Rig 1<br>Elevation: 3201 EGL<br>Field Name: Morgan<br>Pool: Infield<br>Job Number: 420<br>API #: 15-193-21063-00-0012S Present<br>50+ PPM |
|---|----------------------|-------------------------------|-----------------------------|--|
| DATE<br>December  | DST #7               | Formation:<br>Pawnee/Myrick   | Test Interval: 440<br>4490' | 09 - Total Depth: 4490'  |
| 08  | Time                 | e On: 01:13 12/08             | Time Off: 10:52 1           | 12/08  |
| 2019  | Time                 | e On Bottom: 03:19 12/0       | 8 Time Off Bottom:          | : 06:19 12/08  |
| BUCKET MEASUREMENT<br>1st Open: 6" blow buildin<br>1st Close: No BB<br>2nd Open: 1 1/2" blow bu<br>2nd Close: No BB | g to BOB 30 sec.     |                               |                             |  |
| REMARKS:  |                      |                               |                             |  |
| Tool Sample: 0% Gas 0%  | oil 100% Water 0     | % Mud                         |                             |  |

Ph: 7.0

Measured RW: .22 @ 56 degrees °F

RW at Formation Temp: 0.094 @ 140 °F

Chlorides: 52,000 ppm

Max H2S Reading: 50+ ppm



Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL

| Operation:<br>Uploading recovery &<br>pressures<br>December<br>08<br>2019 |                           | Formation:<br>Pawnee/Myrick<br>On: 01:13 12/08<br>On Bottom: 03:19 12/08 | Pool:<br>Job I   | Name: Morgan<br>: Infield<br>Number: 420<br>#: 15-193-21063-00-<br><b>Total Depth: 4490'</b><br>12/08 | 00<br>H2S Present<br>50+ PPM |
|---|---------------------------|--|------------------|---|------------------------------|
|   |                           | Down Hole M  | akeup            |   |                              |
| Heads Up:   | 35.93 FT                  |  | Packer 1:        | 4403.97 FT  |                              |
| Drill Pipe:   | 4412.33 FT                |  | Packer 2:        | 4408.97 FT  |                              |
| ID-3 1/4  |                           |  | Top Recorder:    | 4393.39 FT  |                              |
| Weight Pipe:<br>ID-2 7/8  | 0 FT                      |  | Bottom Recorder: | 4480 FT   |                              |
| Collars:  | 0 FT                      |  | Well Bore Size:  | 7 7/8   |                              |
| ID-2 1/4  |                           |  | Surface Choke:   | 1"  |                              |
| <b>Test Tool:</b><br>ID-3 1/2-FH<br>Jars<br>Safety Joint                  |                           |  | Bottom Choke:    | 5/8"  |                              |
| Total Anchor:   | 81.03                     |  |                  |   |                              |
| <u>Ancho</u><br>Packer Sub:   | o <u>r Makeup</u><br>1 FT |  |                  |   |                              |
| Perforations: (top):<br>4 1/2-FH  | 4 FT                      |  |                  |   |                              |
| Change Over:  | 1 FT                      |  |                  |   |                              |
| Drill Pipe: (in anchor):<br>ID-3 1/4                                      | 63.03 FT                  |  |                  |   |                              |
| Change Over:  | 1 FT                      |  |                  |   |                              |
| Perforations: (below):<br>4 1/2-FH  | 11 FT                     |  |                  |   |                              |

Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield



Operation:

| Uploading recovery | & |
|--------------------|---|
| pressures          |   |

| DATE<br>December | DST #7 Formation:<br>Pawnee/Myrick | Test Interval: 4409 -<br>4490' | Total Depth: 4490' | H2S Present |   |
|------------------|------------------------------------|--------------------------------|--------------------|-------------|---|
| 08               | Time On: 01:13 12/08               | Time Off: 10:52 12/08          |                    |             | I |
| 2019             | Time On Bottom: 03:19 12/0         | 8 Time Off Bottom: 06:19       | 12/08              |             |   |
|                  |                                    |                                |                    |             |   |

## **Mud Properties**

Viscosity: 54

Mud Type: Chemical Weight: 9.5

9.5

Filtrate: 11.2

Chlorides: 4,000 ppm

**\_**)

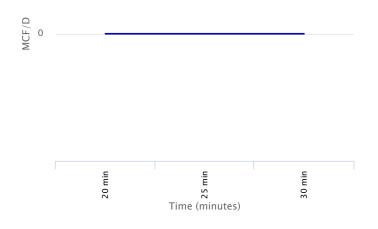


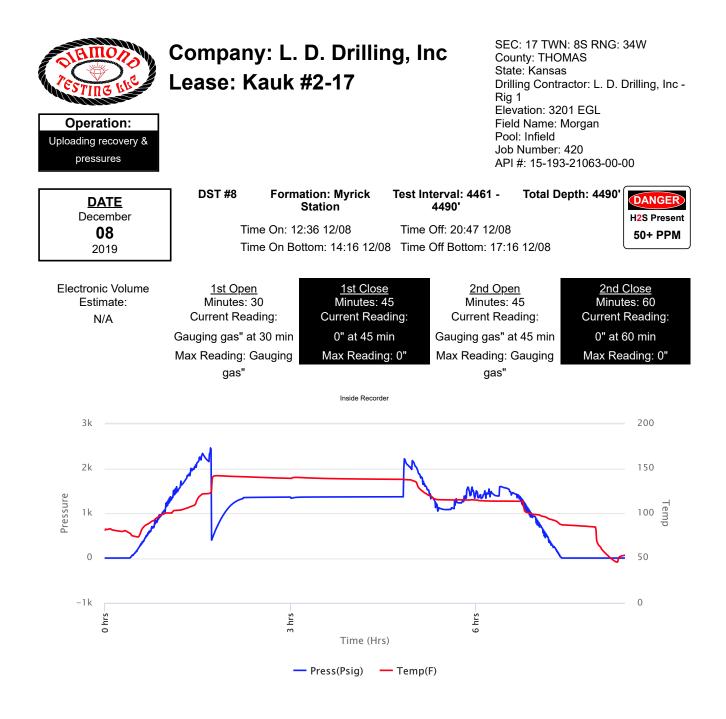
Company: L. D. Drilling, Inc Lease: Kauk #2-17

| DATE<br>December | DST #7 | Formation:<br>Pawnee/Myrick | Test Interval: 4409 -<br>4490' | Total Depth: 4490' | DANGER<br>H2S Present |
|------------------|--------|-----------------------------|--------------------------------|--------------------|-----------------------|
| 08               | Time   | e On: 01:13 12/08           | Time Off: 10:52 12/08          |                    | 50+ PPM               |
| 2019             | Time   | e On Bottom: 03:19 12/08    | Time Off Bottom: 06:19         | 12/08              |                       |

|      |         | 1st Open            |       | 2nd Open |      |         |                     |       |
|------|---------|---------------------|-------|----------|------|---------|---------------------|-------|
| Time | Orifice | PSI                 | MCF/D |          | Time | Orifice | PSI                 | MCF/D |
| 20   | 0.125   | Too weak to measure | Weak  |          | 5    | 0.125   | Too weak to measure | Weak  |
| 25   | 0.125   | Too weak to measure | Weak  |          | 10   | 0.125   | Too weak to measure | Weak  |
| 30   | 0.125   | Too weak to measure | Weak  |          | 15   | 0.125   | Too weak to measure | Weak  |
|      |         |                     |       |          | 20   | 0.125   | Too weak to measure | Weak  |
|      |         |                     |       |          | 25   | 0.125   | Too weak to measure | Weak  |
|      |         |                     |       |          | 30   | 0.125   | Too weak to measure | Weak  |
|      |         |                     |       |          | 35   | 0.125   | Too weak to measure | Weak  |
|      |         |                     |       |          | 40   | 0.125   | Too weak to measure | Weak  |
|      |         |                     |       |          | 45   | 0.125   | Too weak to measure | Weak  |

MCF/D





|  | Company: L<br>_ease: Kauk |                           | ng, Inc            | Cou<br>Stat<br>Drill<br>Rig<br>Elev<br>Field<br>Poo<br>Job |                         | D. Drilling, Inc -          |
|--|---------------------------|---------------------------|--------------------|--|-------------------------|-----------------------------|
| DATE   | DST #8 Forr               | nation: Myrick<br>Station | Test Interv<br>449 |  | Total Depth: 4          | 490' H2S Present<br>50+ PPM |
| December                                     |                           | •••••                     |                    |  |                         | 50+ FFIM                    |
| 08   |                           | 12:36 12/08               |                    | 20:47 12/08  | 10/00                   |                             |
| 2019   | Time On E                 | Bottom: 14:16 12/         | U8 Time Oπ I       | Bottom: 17:16  | 5 12/08                 |                             |
| Recovered                                    |                           |                           |                    |  |                         |                             |
| Foot BBLS                                    | <b>Description</b>        | of Fluid                  | <u>Gas %</u>       | <u>Oil %</u>   | Water %                 | <u>Mud %</u>                |
| 660 6.7716                                   | HMC                       | N                         | 0                  | 0  | 64                      | 36                          |
| 1725 17.698                                  | 5 SLMC                    | W                         | 0                  | 0  | 98                      | 2                           |
| 555 5.6943                                   | W                         |                           | 0                  | 0  | 100                     | 0                           |
| Total Recovered: 294<br>Total Barrels Recove |                           | Reversed Out<br>YES       |                    | Recover  | y at a glance           |                             |
| Initial Hydrostatic Press                    | ure 2150                  | PSI                       | 20                 |  |                         |                             |
| Initial F                                    |                           | PSI                       | BBL                |  |                         |                             |
| Initial Closed in Press                      | ure 1349                  | PSI                       |                    |  |                         |                             |
| Final Flow Press                             | ure 1336 to 1364          | PSI                       |                    |  |                         |                             |
| Final Closed in Press                        | ure 1367                  | PSI                       | 0                  |  | Recove                  | rv                          |
| Final Hydrostatic Press                      | ure 2129                  | PSI                       |                    |  | Recover                 | . 1                         |
| Tempera                                      | ture 142                  | °F                        |                    | Gas 0%   | Oil • Water<br>0% 90.74 |                             |
| Pressure Change In<br>Close / Final Cl       |                           | %                         | GIP cubic foot     | volume: 0  |                         |                             |

| Operation:<br>Uploading recovery &<br>pressures |        | y: L. D. Drilliı<br>auk #2-17 | ng, Inc                      | SEC: 17 TWN: 8S F<br>County: THOMAS<br>State: Kansas<br>Drilling Contractor: I<br>Rig 1<br>Elevation: 3201 EG<br>Field Name: Morgar<br>Pool: Infield<br>Job Number: 420<br>API #: 15-193-2106 | L. D. Drilling, Inc - |
|---|--------|-------------------------------|------------------------------|---|-----------------------|
| DATE<br>December                                | DST #8 | Formation: Myrick<br>Station  | Test Interval: 4461<br>4490' | - Total Depth: 4  | 1490' 50+ PPM         |
| 08  | Tim    | ne On: 12:36 12/08            | Time Off: 20:47 12           | 2/08  |                       |
| 2019  | Tim    | ne On Bottom: 14:16 12/0      | 8 Time Off Bottom:           | 17:16 12/08   |                       |
|   |        |                               |                              |   |                       |

1st Open: 4 1/2" blow building to BOB 45 sec. 1st Close: No BB 2nd Open: 1 1/4" blow building to BOB5 5 1/2 min. 2nd Close: No BB

#### **REMARKS:**

Tool Sample: 0% Gas 0% Oil 100% Water 0% Mud

Ph: 7.5

Measured RW: .19 @ 59 degrees °F

RW at Formation Temp: 0.084 @ 142 °F

Chlorides: 49,000 ppm

Max H2S Reading: 50+ ppm



Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL

| Operation:           |
|----------------------|
| Uploading recovery & |
| pressures            |

December 08 2019 Field Name: Morgan Pool: Infield Job Number: 420 API #: 15-193-21063-00-00

| DST #8 | Formation: Myrick<br>Station | Test Interval: 4461 -<br>4490' | Total Depth: 4490' | DANGER<br>H2S Present<br>50+ PPM |
|--------|------------------------------|--------------------------------|--------------------|----------------------------------|
| Time   | e On: 12:36 12/08            | Time Off: 20:47 12/08          |                    |                                  |
| Time   | e On Bottom: 14:16 12/08     | Time Off Bottom: 17:16         | 6 12/08            |                                  |

## **Down Hole Makeup**

| Heads Up:                            | 15.4 FT       | Packer 1:        | 4456 FT    |
|--------------------------------------|---------------|------------------|------------|
| Drill Pipe:                          | 4443.83 FT    | Packer 2:        | 4461 FT    |
| ID-3 1/4                             |               | Top Recorder:    | 4445.42 FT |
| Weight Pipe:<br>ID-2 7/8             | 0 FT          | Bottom Recorder: | 4463 FT    |
| Collars:                             | 0 FT          | Well Bore Size:  | 7 7/8      |
| ID-2 1/4                             |               | Surface Choke:   | 1"         |
| Test Tool:                           | 33.57 FT      | Bottom Choke:    | 5/8"       |
| ID-3 1/2-FH<br>Jars                  |               |                  |            |
| Safety Joint                         |               |                  |            |
| Total Anchor:                        | 29            |                  |            |
|                                      | <u>Makeup</u> |                  |            |
| Packer Sub:                          | 1 FT          |                  |            |
| Perforations: (top):<br>4 1/2-FH     | 0 FT          |                  |            |
| Change Over:                         | 0 FT          |                  |            |
| Drill Pipe: (in anchor):<br>ID-3 1/4 | 0 FT          |                  |            |
| Change Over:                         | 0 FT          |                  |            |
| Perforations: (below):<br>4 1/2-FH   | 28 FT         |                  |            |

Operation:

Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield

| Uploading recovery &<br>pressures |             | Job Number: 420<br>API #: 15-193-21063-00-00    |   |                    |                                  |
|-----------------------------------|-------------|---|---|--------------------|----------------------------------|
| DATE<br>December                  | DST #8      | Formation: Myrick<br>Station                    | Test Interval: 4461 -<br>4490'                  | Total Depth: 4490' | DANGER<br>H2S Present<br>50+ PPM |
| 08<br>2019                        |             | ne On: 12:36 12/08<br>ne On Bottom: 14:16 12/08 | Time Off: 20:47 12/08<br>Time Off Bottom: 17:16 | 6 12/08            | JUT FFM                          |
|                                   |             | Mud Prope                                       | rties   |                    |                                  |
| Mud Type: Chemical                | Weight: 9.7 | Viscosity: 57                                   | Filtrate: 14.4                                  | Chlorides:         | 4,500 ppm                        |

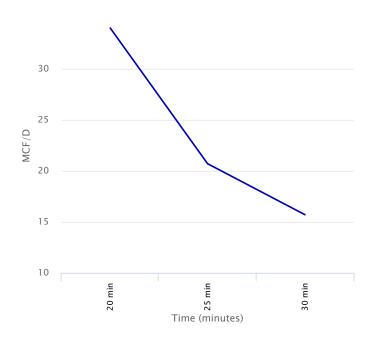


Company: L. D. Drilling, Inc Lease: Kauk #2-17

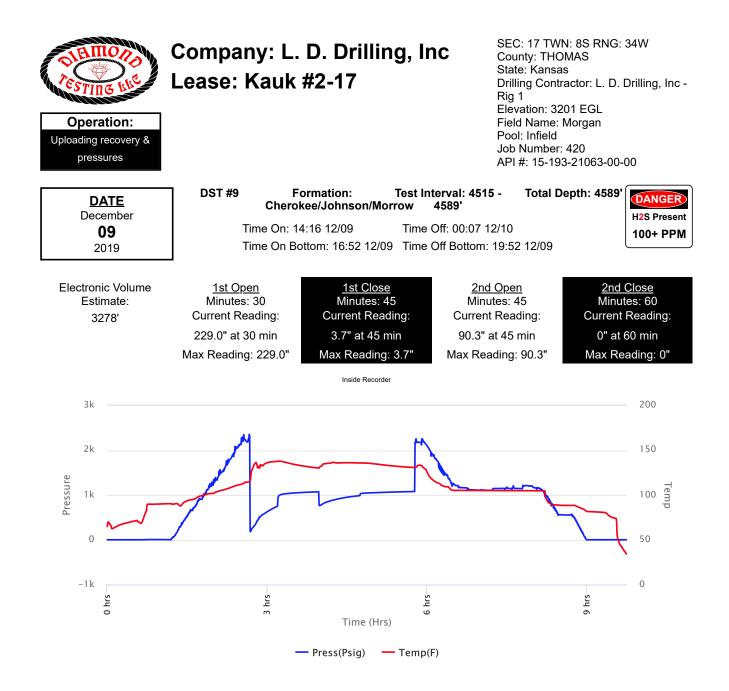
| DATE<br>December  | DST #8 | Formation: Myrick<br>Station                  | Test Interval: 4461 -<br>4490'                  | Total Depth: 4490' | DANGER<br>H2S Present |
|-------------------|--------|---|---|--------------------|-----------------------|
| <b>08</b><br>2019 |        | e On: 12:36 12/08<br>e On Bottom: 14:16 12/08 | Time Off: 20:47 12/08<br>Time Off Bottom: 17:16 | 12/08              | 50+ PPM               |

| 1st Open |         |     |       |  |  |  |
|----------|---------|-----|-------|--|--|--|
| Time     | Orifice | PSI | MCF/D |  |  |  |
| 20       | 0.25    | 12  | 34.0  |  |  |  |
| 25       | 0.25    | 5.0 | 20.7  |  |  |  |
| 30       | 0.25    | 3.0 | 15.7  |  |  |  |

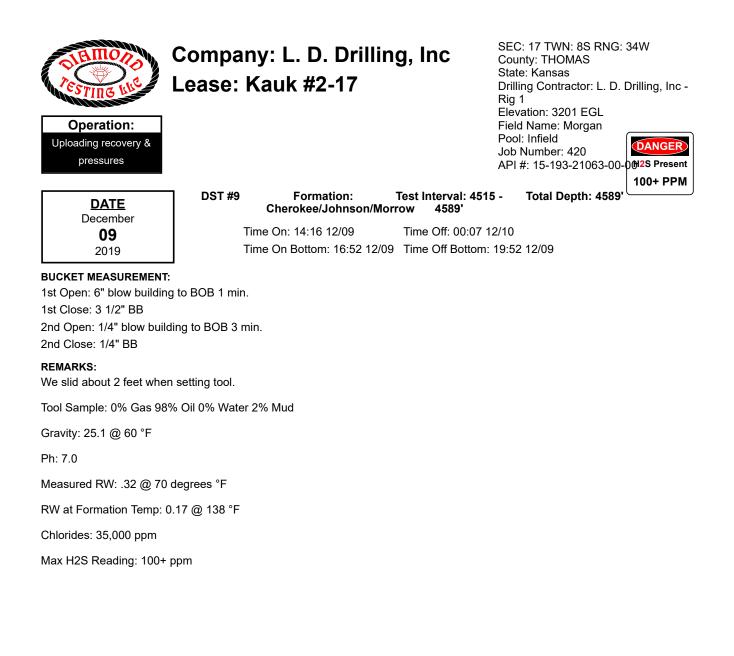
|      |         | 2nd Open            |       |
|------|---------|---------------------|-------|
| Time | Orifice | PSI                 | MCF/D |
| 5    | 0.25    | Too weak to measure | Weak  |
| 10   | 0.125   | Too weak to measure | Weak  |
| 15   | 0.125   | Too weak to measure | Weak  |
| 20   | 0.125   | Too weak to measure | Weak  |
| 25   | 0.125   | Too weak to measure | Weak  |
| 30   | 0.125   | Too weak to measure | Weak  |
| 35   | 0.125   | Too weak to measure | Weak  |
| 40   | 0.125   | Too weak to measure | Weak  |
| 45   | 0.125   | Too weak to measure | Weak  |



MCF/D



| Operatio<br>Uploading record<br>pressures | n:<br>very &                   | ompany:<br>ease: Kai |                              | lling, Inc                  | Co<br>Sta<br>Dril<br>Rig<br>Ele<br>Fie<br>Poo | C: 17 TWN: {<br>unty: THOMA<br>te: Kansas<br>lling Contract<br>1<br>vation: 3201<br>ld Name: Mo<br>ol: Infield<br>Number: 42<br>I #: 15-193-2 | NS<br>or: L. D. Dri<br>EGL<br>rgan | lling, Inc -          |
|---|--------------------------------|----------------------|------------------------------|-----------------------------|---|---|------------------------------------|-----------------------|
| DATE<br>Decemb                            |                                | DST #9<br>CI         | Formation:<br>herokee/Johnso | Test Interv<br>n/Morrow 458 | al: 4515 -                                    | Total Dept  | :h: 4589' <sup>H</sup>             | 2S Present<br>00+ PPM |
| 09  |                                | Time C               | )n: 14:16 12/09              | Time Off:                   | 00:07 12/10                                   |   |                                    | )                     |
| 2019                                      |                                | Time C               | n Bottom: 16:52              | 12/09 Time Off E            | Bottom: 19:5                                  | 2 12/09   |                                    |                       |
|   |                                |                      |                              |                             |   |   |                                    |                       |
| Foot                                      | <u>overed</u><br>BBLS          | Descript             | tion of Fluid                | Gas %                       | Oil %   | Water 9   | 6 Muo                              | 4 %                   |
| 365                                       | <u>5525</u><br>3.7449          | Descript             | G                            | <u>0as //</u><br>100        | 0   | 0   | <u>o iviuc</u><br>(                |                       |
| 15  | 0.1539                         |                      | 0                            | 0                           | 100   | 0   | C                                  |                       |
| 65  | 0.6669                         | SI                   | MCO                          | 0                           | 95  | 0   | 5                                  |                       |
| 1290                                      | 13.2354                        |                      | GCO                          | 22                          | 78  | 0   | (                                  |                       |
| 975                                       | 10.0035                        |                      | LMCWCO                       | 4                           | 66  | 22  | 8                                  |                       |
| 65  | 0.6669                         |                      | СНОСМ                        | 3                           | 34  | 0   | 6                                  | 3                     |
| otal Recove<br>otal Barrels               |                                | 5 ft<br>ed: 28.4715  | Reversed Out<br>YES          | ]                           | Recove  | ry at a glan  | ce                                 |                       |
| Initial Hydros                            | static Pressu                  | re 2232              | PSI                          | 긆 10                        |   |   |                                    |                       |
|   | Initial Flo                    | w 185 to 751         | PSI                          | 10 BBL                      |   |   |                                    |                       |
| Initial Close                             | d in Pressu                    | re 1071              | PSI                          |                             |   |   |                                    |                       |
| Final I                                   | Flow Pressur                   | re 765 to 984        | PSI                          | 0                           |   |   |                                    |                       |
|   | d in Pressu                    |                      | PSI                          | 0                           |   | Re  | covery                             |                       |
| Final Hydrost                             |                                |                      | PSI                          |                             |   |   | -                                  |                       |
|   | Temperatu                      | re 138               | °F                           | •                           | Gas<br>24.86%                                 | <ul><li>Oil</li><li>63.01%</li></ul>  | Water<br>7.73%                     | Mud<br>4.4%           |
|   | Change Initi<br>e / Final Clos |                      | %                            | GIP cubic foot              | volume: 39.7                                  | 73289   |                                    |                       |





Company: L. D. Drilling, Inc Lease: Kauk #2-17 SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL

| Field Name: Morgan        |
|---------------------------|
| Pool: Infield             |
| Job Number: 420           |
| API #: 15-193-21063-00-00 |

| pressures               |             |                                 |                                  |                    |             |
|-------------------------|-------------|---------------------------------|----------------------------------|--------------------|-------------|
| DATE<br>December        |             | ormation: 1<br>ee/Johnson/Morre | ēst Interval: 4515 -<br>ow 4589' | Total Depth: 4589' | H2S Present |
| 09                      | Time On: 14 | :16 12/09                       | Time Off: 00:07 12/10            |                    | 100+ PPM    |
| 2019                    | Time On Bot | ttom: 16:52 12/09               | Time Off Bottom: 19:52           | 12/09              |             |
|                         | C           | )own Hole Ma                    | keup                             |                    |             |
| Heads Up:               | 23.94 FT    |                                 | Packer 1:                        | 4510.28 FT         |             |
| Drill Pipe:<br>/D-3 1/4 | 4506.65 FT  |                                 | Packer 2:                        | 4515.28 FT         |             |
| ID-3 1/4                |             |                                 | Top Recorder:                    | 4499.7 FT          |             |
| Weight Pipe:            | 0 FT        |                                 | Bottom Recorder:                 | 4554 FT            |             |

Well Bore Size:

Surface Choke:

**Bottom Choke:** 

7 7/8

1"

5/8"

ID-2 7/8 0 FT Collars: ID-2 1/4

Operation: Uploading recovery &

nrecure

Test Tool: 33.57 FT ID-3 1/2-FH Jars Safety Joint

**Total Anchor:** 73.72 Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 3 FT 4 1/2-FH Change Over: 1 FT

Drill Pipe: (in anchor): 31.72 FT ID-3 1/4 Change Over: 1 FT

Perforations: (below): 36 FT 4 1/2-FH

> Company: L. D. Drilling, Inc Lease: Kauk #2-17

SEC: 17 TWN: 8S RNG: 34W County: THOMAS State: Kansas Drilling Contractor: L. D. Drilling, Inc -Rig 1 Elevation: 3201 EGL Field Name: Morgan Pool: Infield



**Operation:** 

| Uploading recovery &<br>pressures |  |  | Number: 420<br>#: 15-193-21063-00- | 00                                |
|-----------------------------------|--|--|------------------------------------|-----------------------------------|
| DATE<br>December                  | DST #9 Formation:<br>Cherokee/Johnson/           | Test Interval: 4515 -<br>Morrow 4589'                | Total Depth: 4589'                 | DANGER<br>H2S Present<br>100+ PPM |
| <b>09</b><br>2019                 | Time On: 14:16 12/09<br>Time On Bottom: 16:52 12 | Time Off: 00:07 12/10<br>2/09 Time Off Bottom: 19:52 | 2 12/09                            |                                   |
|                                   | Mud Pro  | perties  |                                    |                                   |

Filtrate: 10.4

Chlorides: 5,900 ppm

Viscosity: 62

Operation: Uploading recovery & pressures

Mud Type: Chemical

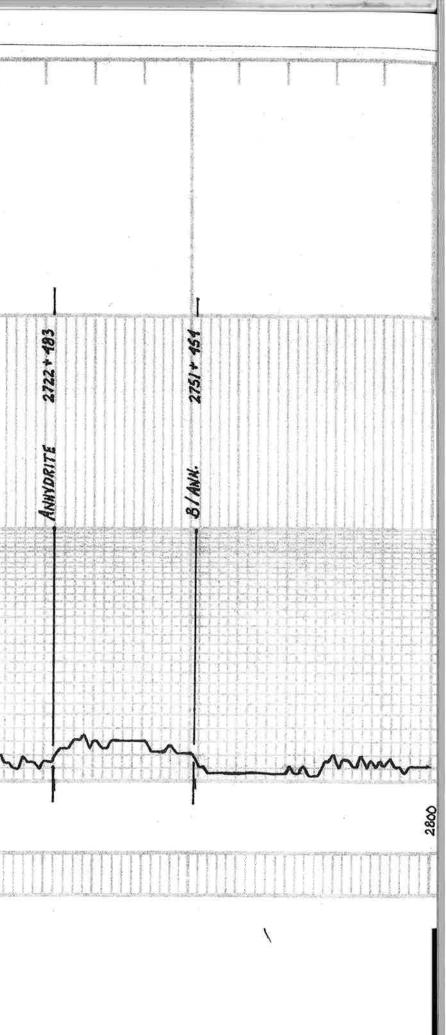
Weight: 9.3

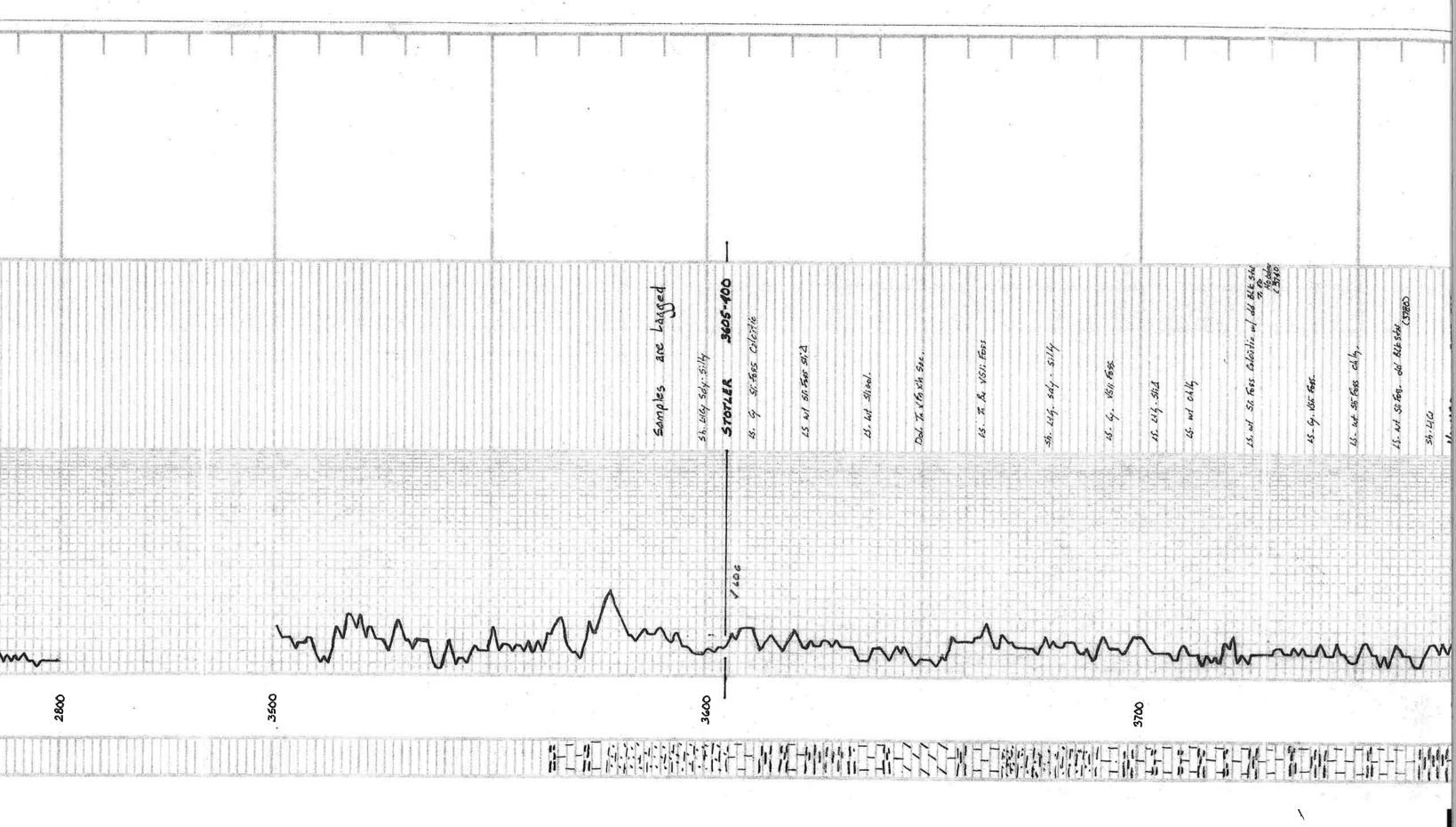
Company: L. D. Drilling, Inc Lease: Kauk #2-17

| December          | DST #9 Formation<br>Cherokee/John         | n: Test Interval: 4515 -<br>nson/Morrow 4589'                                      | Total Depth: 4589' | DANGER<br>H2S Present |
|-------------------|---|--|--------------------|-----------------------|
| <b>09</b><br>2019 | Time On: 14:16 12/0<br>Time On Bottom: 16 | D9         Time Off: 00:07 12/10           :52 12/09         Time Off Bottom: 19:5 |                    | 100+ PPM              |

|      | 1st Op  | ben |       |      | 2nd O   | oen |       |
|------|---------|-----|-------|------|---------|-----|-------|
| Time | Orifice | PSI | MCF/D | Time | Orifice | PSI | MCF/D |

|   | A B. S   | GEOLOG   | ST                                    |   | till Time   |           |                                 |             |  |
|---|--|--|---------------------------------------|---|---|-----------|---------------------------------|-------------|--|
| GEOI  | LÓGIST<br>DRILLING TIME A                            | S REI  | PORT                                  | 2/063   | 5' deep to Drill  |           |                                 | REMARKS     |  |
| COMPANY. L. D<br>LEASE *2.                    | 17 KAUK  | vermagde signetications i  | ELEVATIONS<br>KB3205                  | 4 <i>PI: 15-1</i> 93-   | DEPTHS are  |           | A north a contra - the relation |             |  |
| FIELD 203                                     | 2 FSL + 128(*)                                       | FWL  | DF                                    |   | C 907   |           |                                 | 2           |  |
| SEC 17 THOMAS                                 | STATE KAI  | NSAS   | Measurements Are Ali<br>From 3205 KB  |   |   |           |                                 | SKORI TIONS |  |
| CONTRACTOR L.D.<br>SPUD 11- 25-19<br>RTD 4750 | COMP 12-12   | - 19.  | 85/8" © 334'<br>PRODUCTION 51/2" UNIT |   |   | CENC OF   |                                 |             |  |
| MID IP 3593                                   | TYPE HUD 4   | REMICAL  | DUAL TND., DENS. N, MICRO             |   |   | Shate     |                                 | 6           |  |
| DRILENG TIME KAPA                             |  | 3500   | TO 4750                               |   |   |           | MINUTES<br>Strates              |             |  |
|   | Sign From<br>Kim B .Shoem                            | 3700<br>Aker   | 10_4750                               | م <sup>ت</sup> و و و  |   |           | TEN 100                         |             |  |
| ANHYDRITE<br>B/ANN.<br>Stotler<br>Heebner     | 2726 + 479<br>2754 + 451<br>3614 - 409<br>4018 - 813 | 2722+ 483<br>2751 + 454<br>3605- 400<br>4013 - 808                     |                                       | 12:8-19 @ 4490<br>12-9 @ 4550<br>12-10 @ 4650<br>12-11 @ 4750<br>12-12 @ 4750 |   |           | DFALLING                        |             | m  |
| LANSING<br>B/KC<br>PAWNEE<br>Fort Scott       | 4060- 855<br>4322- 1117<br>4444- 1239<br>4502- 1297  | 4054 - 849<br>4312 - 1107<br>4428 - 1223<br>4495 - 1290<br>4526 - 1321 |                                       | 1 5PUD<br>337<br>Down Stow<br>Down Stow                                       | 14 61 60 4 4 4 4 4  |           |                                 | 2700        |  |
| CHEROKEE<br>M1551551PP1                       | 4531 - 1326<br>4648 - 1443                           | 4516 1321<br>4648- 1443  |                                       | 11-25-19<br>11-25-19<br>11-27-05<br>11-28-05<br>11-28-05                      | 11:30 e<br>12:1 e<br>12:2 e<br>12:3 e<br>12:4 e<br>12:5 e<br>12:5 e<br>12:5 e<br>12:5 e | SHOF01-11 | LITHOL                          | ogy         | Adrobbio (* 440 Adro - Adro-<br>Vijeka Adro- Adro - Adro-<br>Adrom Sterio (* 1. Adro-Arra) |

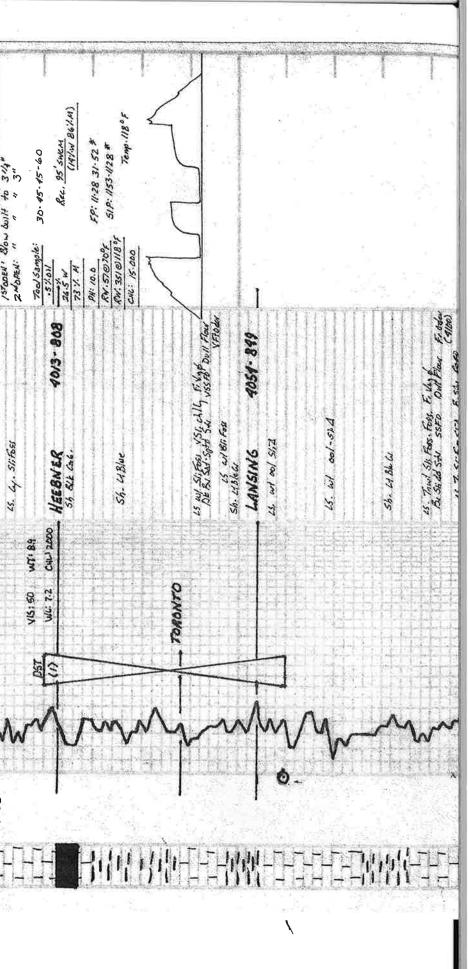


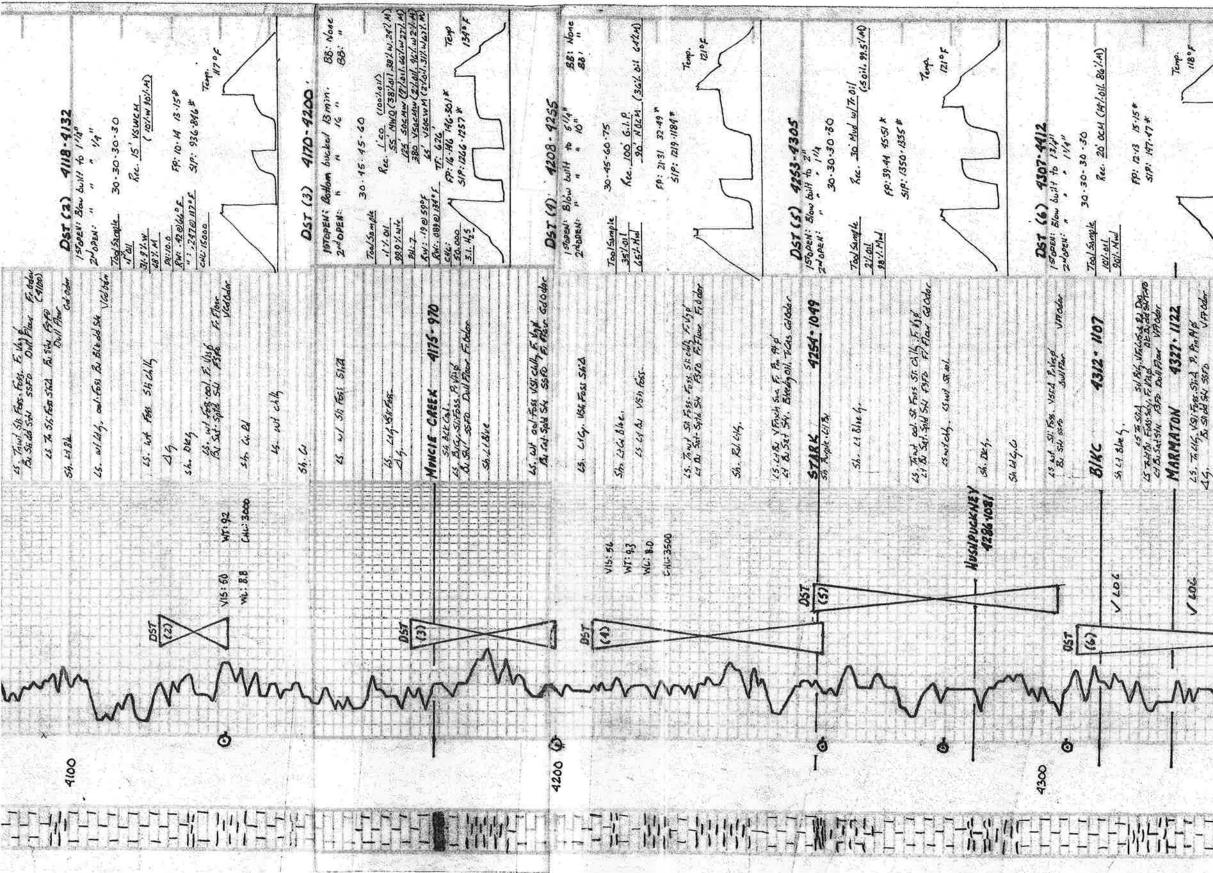


15. wh Sh Foss Colordia wh de bet sol 65. Nº SI Fog. od BLE Sta W. WA ST Fass chily 4. 4. 151 Fes 18. 14 Stid 45-64. 156 Fass. 25. wt child 54.40 3700

|                    |                 |                   |   |              | <br>                  |                    |                         |                    |            |                 |       |                        | <br>  |                 |   |            |     |              |                         | :               |                             |        |               |                    |         |                   |  |
|--------------------|-----------------|-------------------|---|--------------|-----------------------|--------------------|-------------------------|--------------------|------------|-----------------|-------|------------------------|---|-----------------|---|------------|-----|--------------|-------------------------|-----------------|-----------------------------|--------|---------------|--------------------|---------|-------------------|--|
|                    |                 |                   | <ul> <li>Construction of the construction of the construction</li></ul> | in in grants | ľ                     |                    | Anna una constante<br>A |                    |            |                 |       |                        | in the second |                 |   |            |     |              |                         |                 |                             |        | <b>Second</b> |                    |         |                   | <b>DST (1) 4010-4060</b><br>15°00EN' Blow built to 314"<br>240.0EN: " " " 3" |
| 0)<br>19 99 99 - 9 | 40WARD 3773.568 | ese etg. vsu chho | L. 4. Si bu   | 56- 640      | <br>- Topeka 3821-616 | ts. wt Marrol Stik | the art oal. Caladie    | 66. vr 51:615 51:4 | 16. ut 68- | 15 Tart 688:001 | se 4. | 15. wit Sicker Sich Ly |   | is we start chy |   | es. 6. Dec |     | 56. 41 Bield | 42 - Ta Farth Delemitie | કરેન્દ્ર કીલગ્લ | cs. wt St Fos w/ BLE Hay Sh | Carden |               | 65. wt col, cuerts | 59. 440 | 15. w1214. Si fas | 4. 4. Sirbes   |
| $\sim$             |                 |                   | ~   | v            | ×.                    | ~                  | <b>1</b>                | M~-                |            |                 | M     |                        | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  | 2               | Ŷ | ∽          |     | M            | <b>Y</b>                | $\mathcal{N}$   | <b>.</b>                    | ~^     | N             | $\mathcal{S}$      | Ž       | Λ.                | w  |
|                    |                 |                   | 3800  |              |                       | 단말                 |                         |                    |            |                 |       |                        |   |                 |   |            | -15 | 神神           |                         | Hipi            |                             | [%-    |               |                    | 11]     |                   | 1111 400   |
|                    | 1               |                   |   |              | 201                   |                    |                         |                    |            |                 |       |                        |   |                 |   |            |     | 20           |                         |                 |                             |        |               |                    |         |                   |  |

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85: None 36: 1/14 45% M) 7/14 137. M) 7/14, 85% M) DST (7) 4409-4490 1570EU' Ballom bucket 32 500-2042082 Built to 9" 14: 7 84: -220 56 °F 84: -0910 1400F Tool Sample 25. DERIG. SI Face R. C. & Collar DERIG. DERIZESU 1978. No Plan 15. 4. 04 51 481. F. V. 1 6 A OP 15. we week. 15. To SI; Tosi Cleri St. Ullw.g. 45. 6y. 51. Feb 48. Cy. Silly 54. 06, 45. She Purph 64 54. Red Sh. HGw. 54.ALL VIS: 54 WT 9.4 WL: 11-2 13 4400 제1222-1244441-12441-322-12442-222

85: No. 571/m 431.M) 871/m 131.M) 151/m, 851.M) Terp. 1420 F 55: None 36: 3%6, 63% M (34%M) 2.W 21.M) 88: 31/2" 88: 14" Temp. Temp. 138°F 1357\* 0-1326 1336-1364 519: 1349-1367\* 15. OKt. G. Sh Fas. R. M. & DST (7) 4409-4490 15720201 Boltom burket 30 500 Noodas Zwarn: Built to 9n 4461 - 4491 DST (9) 45/5-4589 1902EN: Bollow breket 1 win. 2rdopen: 905 2 DST (B) 1560EU: Ball PH: 75 RW: 19 059 F RW: - 0840192 CHL: 49400 Max H25504 pr 14: 7 Rw: . 22 e) 56 Rw: . 091e) 1 CHL: 52.000 Max H25: 50+ Apr 100' / W 81, Mur VGIN 54, 64, VParily Sarted Gut This, P DE By Spht. 54, 54, GataRD Dull Flow Gelodor 15. W H14. Sh Fasch 2 PHy Dull Poor Ficher 25. B. 4, VSI: 650 SILD & 476 BI SI 63 SH F3FD DUNPOUL FLOGO L & S. S. S. Es. P. Dy & Bish or Paul sd chicy. Md G. Vie Ci suied ca Ingo De Ri Bie Stad Si, 1510 No Mer adata 15 To at Sifes, Voially F. Way 6 Via 8, 50 - Spars, aug 5 56 62 Port 4495 - 1290 4648-1443 25. The She of Stress VSI A 6 WY of Bu, at Bi She casts Stratery Oil 6 Cherry 13 21 4 VSI 655 13 4 9 150 chly Auto 25. wit St fas. charty 2, R. Part 6 LIML 5. 5/1 54. 7 48 518 64 Part 6 2 4. w/ cope St. 4977-1272 25. 119. To Velt For. K 47- Pa Pik 121 E. Stu. VSS. S 10 Fred Flow 15 DE 51 ST FR. P. W. O. M. S. Calso JOHNSON 4574 - 1349 15 Bulg. VS: Fass VSI. J. F. Vigh DEBL HNJSHI, GASTO 41 Bi She as Bi All Plue 4584 1379 sol which to the the custor as as 4428 - 1223 15 BEDig. YSHADE Dol. 144. Fred w/ Dr 4 Jue In Celestie Sid 15. 74 wel Visi Fass 5124. P. Misk saly child. Dol 4 to 4. Viarda - 5:14 ool. Foss Caleshi ut, a suly sh nd a Red Sul Rd 15 7 9. 51.0 p. 4. Si fos VEns St. LIQ. MIRICK STATION Sto Tiny Sellers 14 44 15. Du VISI Inlatio Sh. clawf. M1551551W cs. hug. St Fors St CHERDKEE Sh. Bir Carb. WE 97 55 CLA CHE 4500 FORT SCOT 100 1 BUL SK FES. 54. DE, 45. 15 Rugs 16 WF Th PAWNEE Sh. Twy Sh.BUK Gub. doge 44. 40 54.504 NISS 62 WP 93 VIS: 54 WF 9.4 WE IF2 CHU: 4000 CHL: 6000 7% WM ML: 14.4 1000 115:51 VI5:52 138 1406 DST (9) à Ó 4600 4100 4400 的建立的 行的 日期的 105

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