#### KOLAR Document ID: 1590257

| Confiden | tiality Re | quested: |
|----------|------------|----------|
| 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 | & I FASE |
|------|-----------|---------------|---------|----------|
|      | III JIONI | - DESCRIF HOR |         | a LLASL  |

| 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:                                  |
| Dual Completion         Permit #:           SWD         Permit #: | Logation of fluid dispagal if hould offaite:             |
| □ 5000 Permit #:  | Location of fluid disposal if hauled offsite:            |
| GSW Permit #:   | Operator Name:   |
|   | Lease Name: License #:                                   |
| Spud Date or Date Reached TD Completion Date or                   | QuarterSecTwpS. 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: 1590257

| Operator Name:          | Lease Name: Well #: |
|-------------------------|---------------------|
| Sec TwpS. 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<br>(Attach Additional Sheets)  |                         | Y            | ′es 🗌 No                         |                       |   | og Formatio                    | n (Top), Depth a      | 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 Used          |   | sed 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                   | Wate  | er Bb                          | ls.                   | Gas-Oil Ratio   | Gravity                       |
| DISPOSITIO  | N OF GAS:               |              | Ν                                | IETHOD OF COM         | MPLE  | TION:                          |                       | PRODUCTIC<br>Top  | DN INTERVAL:<br>Bottom        |
| Vented Sold Used on Lease (If vented, Submit ACO-18.)   |                         |              | Open Hole Perf.                  |                       | Dually Comp.     Commingled       (Submit ACO-5)     (Submit ACO-4) |                                | юр                    | Bollom  |                               |
| Shots Per Perforation Perfora<br>Foot Top Botto   |                         |              | Bridge Plug<br>Type              | Bridge Plug<br>Set At |   |                                |                       |   |                               |
|   |                         |              |                                  |                       |   |                                |                       |   |                               |
|   |                         |              |                                  |                       |   |                                |                       |   |                               |
|   |                         |              |                                  |                       |   |                                |                       |   |                               |
|   |                         |              |                                  |                       |   |                                |                       |   |                               |
| TUBING RECORD:  | Size:                   | Set At:      |                                  | Packer At:            |   |                                |                       |   |                               |

| Form      | ACO1 - Well Completion |
|-----------|------------------------|
| Operator  | Heritage Oil L.L.C.    |
| Well Name | SCHUSTER 1-30          |
| Doc ID    | 1590257                |

All Electric Logs Run

| DIL   |  |
|-------|--|
| MEL   |  |
| DCUP  |  |
| Sonic |  |

| Form      | ACO1 - Well Completion |
|-----------|------------------------|
| Operator  | Heritage Oil L.L.C.    |
| Well Name | SCHUSTER 1-30          |
| Doc ID    | 1590257                |

## Casing

| Purpose<br>Of String | Size Hole<br>Drilled | Size<br>Casing<br>Set | U U | Setting<br>Depth | Type Of<br>Cement |     | Type and<br>Percent<br>Additives |
|----------------------|----------------------|-----------------------|-----|------------------|-------------------|-----|----------------------------------|
| Surface              | 12                   | 8.675                 | 20  | 218              | common            | 150 | 3% cal                           |
| Production           | 7.875                | 5.5                   | 15  | 3930             | common            | 150 | 2%gel                            |
|                      |                      |                       |     |                  |                   |     |                                  |
|                      |                      |                       |     |                  |                   |     |                                  |

# QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

No. 2309

| ell 785-324-1041<br>ate 6-30-21         | Sec.      | Twp.     | Range          |         | County<br>E/lis | State   | On Location  | Finish          |  |  |
|---|-----------|----------|----------------|---------|-----------------|---|--|-----------------|--|--|
| ate 0 30 -1                             |           | 1.0      |                | Locat   | - 1             | is 55 2 ± 4                                   |  |                 |  |  |
| \$ 1                                    | ~ 1       | 5        | Nall No. /     | 30      | Owner           |   |  |                 |  |  |
| ease Schust                             |           |          | Vell No. /     | 50      | To Quality (    | ilwell Cementing, In                          | C.   | and furnish     |  |  |
|   |           |          |                |         |                 | eby requested to rer<br>ad helper to assist o | nt cementing equipment a wner or contractor to do to | work as listed  |  |  |
| ype Job Of Stag                         | se        |          |                |         | 0               | 1 6   | 1  |                 |  |  |
| Iole Size 7 \$                          |           | T.D.     |                |         |                 | Jekitage C                                    | 2 i l  |                 |  |  |
| sg. sz                                  |           | Depth    | 1291           |         | Street          | AUO" n lietell eaits                          | State  | - 830/98 -      |  |  |
| bg. Size 23                             |           | Depth    | 1211           |         | City            | 1 to anticlostics                             | and supervision of owner a                           | gent or contra  |  |  |
| ool                                     |           | Depth    |                |         |                 | -   | 20 1   | gont of oorning |  |  |
| Cement Left in Csg.                     |           | Shoe J   | oint           |         |                 | nount Ordered 3                               | FFIO 3   |                 |  |  |
| leas Line                               |           | Displac  | e              |         | 4AG             |   | PPIO 3NIC  |                 |  |  |
| 10                                      | EQUIP     | MENT     | D-II           |         | Common          | 20 Qmpc                                       |  |                 |  |  |
| Pumptrk / Help                          |           |          | CKGig          |         | Poz. Mix        |   |  |                 |  |  |
| No. Driv<br>Bulktrk Driv                | /er       |          | 1              |         | Gel. 4          | -   |  |                 |  |  |
| Bulktrk 19 No. Driv                     |           |          | TONY           |         | Calcium 3       |   |  |                 |  |  |
| JOB                                     | SERVICE   | S & REMA | RKS            | Sciel S | Hulls           | Hulls   |  |                 |  |  |
| Remarks:                                |           |          |                |         | Salt            | out   |  |                 |  |  |
| Rat Hole                                |           |          | a teninga tena |         | Flowseal        | 85#   |  | 0.000 (0.000)   |  |  |
| Vouse Hole                              |           |          |                |         | Kol-Seal        |   |  |                 |  |  |
| Centralizers                            |           |          |                |         | Mud CLR         | 48  |  | 1000            |  |  |
| Baskets                                 | 101 01120 | e egerna | 1.20,820,207   |         | CFL-117 o       | r CD110 CAF 38                                |  |                 |  |  |
|   |           |          |                |         | Sand            |   |  |                 |  |  |
| Phessuked                               | o b       | elow 1   | exts 12        | 50 th   | -/ 4 Handling   | 330   |  |                 |  |  |
| pense lite                              | 20        | Ret      | Cire.          |         | Mileage         |   |  |                 |  |  |
| Velis Cree                              | e hal     | CI00     | 1 Ketuki       | NS      |                 | FLOAT EQUI                                    | PMENT  |                 |  |  |
| m.y ung                                 | 2010      | -7-0     | Follow a       | 1       | Guide Sho       | De  |  | 1000            |  |  |
| Cent of 150                             |           | MIDC     | 6 49.          |         | Centralizer     |   |  |                 |  |  |
| Ser and 3                               | 1ºcc      | 1        |                |         | Baskets         |   |  |                 |  |  |
| Speciel To                              |           |          |                |         | AFU Inserts     |   |  |                 |  |  |
| wash clean                              |           |          |                |         | Float Shoe      |   |  |                 |  |  |
| Comt did Cire.<br>Ctate River Pat Stabb |           |          |                |         |                 |   |  | 14,903,63       |  |  |
| State PI                                | UGGE      | r p      | 191 - J I P    | THE     | Laton Do        |   |  |                 |  |  |
| h = 1                                   |           | 0        | 1.01           | 2/2     |                 |   |  |                 |  |  |
| Vied 200 gmpc 44 Ph                     |           |          |                |         | Pumptrk         | Charge Gain                                   | 9538   |                 |  |  |
| SCC                                     |           |          |                |         |                 | 710 710                                       |  |                 |  |  |
| 4 del                                   |           |          |                |         | Mileage         | 17  | Tax  |                 |  |  |
|   |           |          |                |         |                 | hanks   | Discount   |                 |  |  |
| Q A Colin                               |           |          |                |         |                 | nav   | Total Charge   |                 |  |  |
| Signature Charge                        | ne C      | le       | IN             |         |                 | 1   | iotai onaigo   |                 |  |  |

## **FRANKS Oilfield Service** ♦ 815 Main Street Victoria, KS 67671 ♦ 24 Hour Phone (785) 639-7269

TICKET NUMBER\_ LOCATION Victoria

Office Phone (785) 639-3949

Email: franksoilfield@yahoo.com

FOREMAN Reston Deiling

DATE

| FIELD TICKET & TREATMENT REPORT<br>CEMENT |                    |         |          |       |  |  |  |
|---|--------------------|---------|----------|-------|--|--|--|
| 1   | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE |  |  |  |
| 1   |                    |         |          |       |  |  |  |

|                                  |              |   | CD I         | SECTION       | TOWNSHIP        | RANGE   | COUNTY |
|----------------------------------|--------------|---|--------------|---------------|-----------------|---------|--------|
| DATE                             | CUSTOMER #   | WELL NAME & NUMB                        |              |               | 17              | 20      | Allis  |
| 5-22-21                          |              | Souster # 1-30                          |              | 30            | 15              | 20      | 1211is |
|                                  |              |   | ſ            | TRUCK #       | DRIVER          | TRUCK # | DRIVER |
| MAILING ADDF                     | Heritage 1   | DI LLC                                  |              | 101           | Jack T          |         |        |
|                                  | w Zuth<br>s  | KS 47601<br>HOLE SIZE 12,25             | TUBING       |               | CASING SIZE & W | OTHER   |        |
| SLUBBY WEIG                      | SHT 14.8     | SLURRY VOL                              | WATER gal/sl | <             | CEMENT LEFT in  | CASING  |        |
| DISPLACEMEN                      | NT <u>13</u> | DISPLACEMENT PSI                        | MIX PSI      |               | RAIE            | ,       |        |
| REMARKS:                         | Safety m     | eeting + Rig up on<br>common 3+2 displa | White K      | night drillie | g. Grealate     | ecsing  |        |
| Mix 15                           | o salis a    | ommon 3+2 displa                        | cew/ 1       | 3 B6k we      | ter. Shut.      | )       |        |
| Cement                           | del circ     | ulete.                                  |              |               |                 |         |        |
| and the second difference in     |              | -                                       |              |               |                 |         |        |
|                                  |              |   | /            |               |                 |         |        |
| Martin Contraction of the second |              | Thenk you                               | - //         | 7             |                 |         |        |
|                                  |              | 1                                       | 111/         | + L.FRW:      |                 |         |        |
|                                  |              | 12                                      | how          |               |                 |         |        |

| ACCOUNT<br>CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE         | TOTAL    |
|-----------------|-------------------|------------------------------------|--------------------|----------|
| PC.002          | /                 | PUMP CHARGE                        | 115000             | 115000   |
|                 | 35                | MILEAGE                            | 1,50               | 227.50   |
| M001            |                   | Ton milegge delivery               | 400.00             | 460.00   |
| M003            |                   |                                    | 24.50              | 3.475.00 |
| CB004           | 150 5x            | Common Sor2                        |                    |          |
|                 |                   |                                    |                    |          |
|                 |                   |                                    |                    |          |
|                 |                   |                                    |                    |          |
|                 |                   | -                                  | sub total          | 5,652.50 |
|                 |                   | 14                                 | ss 30% clise.      | 1,695.75 |
|                 |                   | //                                 | a.6 totel          | 3,956,75 |
|                 |                   |                                    |                    |          |
|                 |                   |                                    |                    |          |
|                 |                   |                                    |                    |          |
|                 |                   |                                    |                    |          |
|                 |                   |                                    |                    |          |
|                 |                   |                                    |                    |          |
|                 |                   |                                    |                    |          |
|                 |                   |                                    | SALES TAX          | 180.08   |
|                 | / 0 k             | /                                  | ESTIMATED<br>TOTAL | 4,136.83 |

AUTHORIZATION Lesy Cush

TITLE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

|            |            |                            | ONTRACTO  | ITEK  | Nia             | 47               | Drai   | 4    |       | DATE (0 - 3-     | 21        |      |  |
|------------|------------|----------------------------|-----------|---|-----------------|------------------|--|------|-------|------------------|-----------|------|--|
| H FR       | 170.98     | 0,2                        | LEC       | LEASE   | - chu           |                  |  |      |       | WELL NO.<br>1-30 | RIG NO.   |      |  |
| DISTRICT   | 4          |                            | COUNTY    | Pis   |                 | STATE            |  |      |       | D. P. STRING NO. | SIZE 1/2  | × 14 |  |
| FROM       | то         |                            | FORMATION | a ga a da a da anti tana a di Kamara da a tanàn ing | ROTARY<br>SPEED | WEIGHT<br>ON BIT | PUMP<br>PRES.  |      |       | NAME             | NAME      |      |  |
|            |            |                            |           |   |                 |                  |  | DM   |       |                  |           |      |  |
|            |            |                            |           |   |                 |                  |  | EM   |       |                  |           |      |  |
|            |            |                            |           |   |                 |                  |  | н    |       |                  |           | 1    |  |
| SLO        | PE TEST    | ACCIDENT: -<br>(GIVE NAME) | -         |   |                 |                  | and the second s | н    |       |                  |           |      |  |
| ø          | FT.        |                            |           |   |                 |                  |  |      |       |                  |           |      |  |
|            | DEG. OFF   |                            |           |   |                 |                  | ж  | DRLF | z     |                  |           |      |  |
| B          | T AND CORE | EAD RECORD                 | ,         | MUD   | RECORD          | T                | TI   | MER  | ECORD | DRILL ST         | EM RECORD |      |  |
| RUN NO.    |            |                            |           | WEIGHT  | 1               | 0                | RILLING  | T    |       | SIZE D. P.       |           |      |  |
| SIZE       |            |                            |           | VISC.   |                 |                  | CORING   | T    |       | SIZE COLL.       |           |      |  |
| MAKE       |            |                            |           | WTR. LOSS-C.C.                                      |                 | 4                | OTHER  |      |       | JTS. D           | ). P.     |      |  |
| SERIAL NO. |            |                            | 1         | FILTER CAKE   |                 | 1                | REPAIRS  |      |       | KELLY DOWN       |           |      |  |
| DEPTH IN   |            |                            | 1         | РН.   |                 | 1                | RIP  |      |       | COLLA            | RS        |      |  |
| HOURS RUN  |            |                            |           | MTL. ADDED (R                                       | EMARKS)         |                  |  |      |       | TOTAL            |           |      |  |

REMARKS:

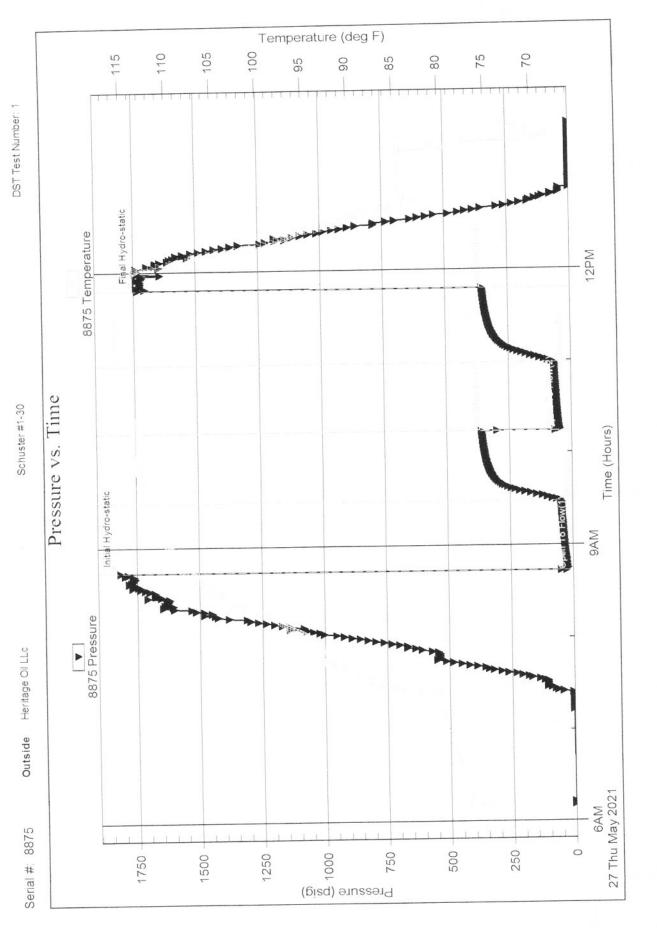
| FROM       | то          | FORMATIO                   | N              | ROTARY | WEIGHT<br>ON BIT                      | PUMP<br>PRES.     |     |        | NAME         | HRS    |
|------------|-------------|----------------------------|----------------|--------|---------------------------------------|-------------------|-----|--------|--------------|--------|
| RUN        | 81 5        | 45 NEW 15#                 | 51/2 cs q      | Tal    | 4 - 39                                | 35'               | DM  | Riley  | VOSS 150     | 111 8  |
| SET        | - 3930      | W/150 SKS                  | on Bott        | om     | £ 30 SI                               | es in             | EM  | MARVin | PETZ         | 8      |
| RAT 1      | HOLE        | V Tool 160.                | 5              |        |                                       |                   | н   | Jeff   | Hors         | 8      |
| SLOP       | E TEST      | ACCIDENT: -<br>(GIVE NAME) |                |        |                                       | (Patrick)         | н   |        |              |        |
| Ø          | FT.         | By Franks                  | 0.1 F.1.       | EB 5   | SR. 1                                 | 4 ×15             |     |        |              |        |
|            | DEG. OFF    |                            |                |        | allow's electronic in controls of all | The second second | 1   | DERCK  | PETZI        | 19cm 8 |
| BI         | T AND COREH | IEAD RECORD                | MUD            | RECORD |                                       | TII               | MER | ECORD  | DRILL STEM F | RECORD |
| RUN NO.    |             |                            | WEIGHT         |        | E                                     | RILLING           | T   |        | SIZE D. P.   |        |
| SIZE       |             |                            | VISC.          |        | 0                                     | ORING             |     |        | SIZE COLL.   |        |
| MAKE       |             |                            | WTR. LOSS-C.C. |        | c                                     | THER              |     |        | JTS. D. P.   | FT     |
| SERIAL NO. |             |                            | FILTER CAKE    |        | F                                     | EPAIRS            |     |        | KELLY DOWN   | FT     |
| DEPTH IN   |             |                            | PH.            |        | T                                     | RIP               |     |        | COLLARS      | FT     |
| HOURS RUN  |             |                            | MTL. ADDED (R  | EMARKS | )                                     |                   |     |        | TOTAL        | FT     |
| REMARKS:   | 527         | Slip in 5                  | 1/2 csq 2      | d C .  | EME                                   | NT                | 7   | OP STA | 98           |        |
| Cur        |             |                            | T Slips        |        |                                       |                   |     | /      |              |        |

.

| FROM    | то                      | FOR       | MATION | ROTARY   | WEIGHT<br>ON BIT  | PUMP<br>PRES.   |        |     | NAME                                     |                   | HRS. |
|---------|-------------------------|-----------|--------|----------|---|---|--------|-----|--|-------------------|------|
|         |                         |           |        |          |   |   | DM     |     |  |                   |      |
|         |                         |           |        |          |   |   | EM     |     |  |                   |      |
|         |                         |           |        |          |   |   | н      |     |  |                   |      |
| SLOF    | PE TEST                 | ACCIDENT: |        |          | -19.2m  | and the second se | н      |     |  |                   |      |
| œ       | FT.                     |           |        |          | د<br>ج  |   |        |     |  |                   |      |
|         | DEG. OFF                |           |        |          | and the second se | 1   | DRLR   |     |  |                   |      |
| BI      | BIT AND COREHEAD RECORD |           | ML     | D RECORD |   |   | AE REC | ORD | DRILL S                                  | DRILL STEM RECORD |      |
| RUN NO. |                         |           | WEIGHT |          | DRI   | LLING   |        |     | SIZE D. P.                               |                   |      |
| SIZE    |                         |           | VISC.  |          | - cor   |   | 1      |     | N. N | 1                 |      |

| RILOBITE   |  | Heritage Oil LLc  | EST R                                |  |                       | 3s-20w           | Ellis   | (S                 |                    |
|--|--|---|--------------------------------------|--|-----------------------|------------------|---------|--------------------|--------------------|
|  | ESTING , INC.  |   |                                      |  |                       | uster #1         |         |                    |                    |
|  | Lound, no.   | 111 W 36th Street<br>Hays KS 67601                                    |                                      |  |                       | Ticket: 668      |         | DST#               | :1                 |
|  |  | ATTN: Lyle Herrman  |                                      |  |                       |                  |         | 7 @ 06:11:01       |                    |
| ENERALI  | NFORMATION:  |   |                                      |  |                       |                  |         |                    |                    |
| rmation:   | LKC E  |   |                                      |  |                       |                  |         |                    |                    |
|  | No Whipstock:<br>ned: 08:42:57<br>ed: 13:34:07                       | ft (KB)   |                                      | Test Type: Conventional Bottom Hole (Initial)<br>Tester: SJ Staab/ Kevin Webs<br>Unit No: 84 |                       |                  |         |                    |                    |
| terval:  | 3633.00 ft (KB) To 36  | 50.00 ft (KB) (TVD)   |                                      |  | Refe                  | erence Elev      | ations  |                    | 00 ft (KB)         |
| otal Depth:<br>ble Diameter:   | 3650.00 ft (KB) (T)<br>7.88 inchesHole                               | /D)<br>e Condition: Poor  |                                      |  |                       | KB to            | GR/CF   |                    | 00 ft(CF)<br>00 ft |
| erial #: 8   | 875 Outside  |   |                                      |  |                       |                  |         |                    |                    |
| ess@RunDe  | epth: 67.99 psig   |   | 2021                                 | .05.27   | Capacity<br>Last Cali |                  |         | 2021.05.2          | psig               |
| art Date:<br>art Time:   | 2021.05.27<br>06:11:01   | End Date:<br>End Time:  |                                      | :34:07   | Time On               |                  | 021.05  | 0.27 @ 08:42:4     |                    |
|  |  |   |                                      |  | Time Off              | Btm: 2           | 021.05  | 6.27 @ 11:48:0     | )7                 |
|  | Pressure vs. "<br>805 Pressure                                       | finne<br>1875 Temperature   | the second second second             | Time   | Pressure              | RESSUR<br>Temp   |         | MMARY<br>otation   |                    |
| FT   | SS25 Pressure<br>and type sole                                       | SS/5 Temperature  | the second second second             | Time<br>Min.)  | Pressure<br>(psig)    | Temp<br>(deg F)  | Anno    | otation            |                    |
|  |  |   | - 110                                | 0  | 1814.67               | 107.56           |         | Hydro-static       |                    |
| 500  | 1/   |   | - 105                                | 1  | 25.65<br>46.14        | 107.12<br>112.52 |         | To Flow (1)        |                    |
| 210  |  |   | - 100                                | 46<br>92   | 360.24                | 112.52           |         | hut-ln(1)          |                    |
| Ē  |  |   | - 95 - 95                            | 92   | 64.94                 |                  |         | To Flow (2)        |                    |
|  |  | 1 1   | - 90 2                               | 137  | 67.99                 | 115.24           |         | in(2)<br>hut-ln(2) |                    |
| 1000   |  | Æ   | â                                    | AND DO AND   | 352.01                | 115 20           |         |                    |                    |
| 799  |  |   | - 25 J                               | 185<br>186   | 352.91<br>1734.92     | 115.29<br>115.47 | Final I | Hydro-static       |                    |
| 790 <b>3</b><br>500 <b>3</b><br><b>3</b><br><b>4</b>                             |  |   | (1)<br>85<br>- 55<br>- 70<br>- 70    | 185  |                       |                  | Final I | Hydro-static       |                    |
| 775 500 <b>3 4 5 5 5 5 5 5 5 5 5 5</b>   | Und Tree Disast  |   | - 35<br>- 35<br>- 75<br>- 73         | 185  |                       | 115.47           |         |                    |                    |
| 770<br>500<br>9<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7 | Recovery   |   | - 35 (7)<br>- 35 (7)<br>- 79<br>- 79 | 185  |                       | 115.47           | s Rate  |                    | Gas Rate (Mct/d    |
| 750<br>530<br>770<br>530<br>770<br>770<br>770<br>770<br>770<br>770<br>770<br>7   | Recovery<br>Description  | Volume (bbl)  | - 55<br>- 75<br>- 75                 | 185  |                       | 115.47<br>Ga     | s Rate  | es                 | Gas Rate (Mct/d    |
| 790<br>900<br>900<br>900<br>900<br>900<br>900<br>900                             | Recovery<br>Description<br>gvsocmw 4% g 1% o 2                       | Volume (bbl)<br>5%m 70%w 0.85   | - 35 - 37<br>- 39<br>- 79<br>- 79    | 185  |                       | 115.47<br>Ga     | s Rate  | es                 | Gas Rate (Mcf/d    |
| 278<br>278<br>278<br>278<br>278<br>278<br>278<br>278                             | Recovery<br>Description  | Volume (bbl)<br>5%m 70%w 0.85   | - 55<br>- 75<br>- 75                 | 185  |                       | 115.47<br>Ga     | s Rate  | es                 | Gas Rate (Mct/d    |
| 799<br>500<br>790<br>790<br>790<br>790<br>790<br>790<br>790<br>7                 | Recovery<br>Description<br>gvsocmw 4% g 1% o 2<br>gom 10%g 40%o 50%N | Volume (bbl)           5%m 70%w         0.85           1         0.85 | - 75<br>- 70                         | 185  |                       | 115.47<br>Ga     | s Rate  | es                 | Gas Rate (Mcf/d    |

Trilobite Testing, Inc



Printed: 2021.05.27 @ 13:59:59

Ref. No: 66889

Trilobite Testing, Inc

|                          | RILOBITE<br>ESTING | INC.                       |           | Test        | Ticket          |               |
|--------------------------|--------------------|----------------------------|-----------|-------------|-----------------|---------------|
| 4/10                     | 1515 Commerce Pa   | arkway • Hays, Kansas 6760 | 1         | NO.         | 00009           |               |
| Well Name & No.          | schuster.          | # 1-30                     | Test No   | 1 22.89     | Date 5/2-3      | 7-21<br>97 GL |
| Address 111              | N. 36th Str        | eet Hays KS                | 6760      | (Chent      |                 |               |
| Co. Rep / Geo.           | 110 Hellm          | an                         | Rig U.L.  | LA. T.C. K  | night           |               |
| Location: Sec.           | 0 0 Twp 13         | S_Rge. 20 W                | Co. El    | 127         | State           | 15            |
| Interval Tested          | 633 - 3.650        | Zone Tested                | K.K.      | E           |                 |               |
| Anchor Length            | 17                 | Drill Pipe Run             | 7614      | N           | Aud Wt. 99      | 2             |
| Top Packer Depth         | 3.628              | Drill Collars Run          | No        | v           | lis50           |               |
| Bottom Packer Depth      | 57633              | Wt. Pipe Run               | NO -      | v           | VL 6.0          |               |
| Total Depth              | 050                | Chlorides 77               | 0.0 p     | pm System L | CM              |               |
| Blow Description         | FASSAIPO           | ACC +0 65111               | 1.31      |             |                 |               |
| TSI-Ver                  | Y W.Pak-Su         | Afor Cp bland              | 1.8       |             |                 |               |
| FF-Sul                   | face to 9          | 7.75 11 1/2                |           |             |                 |               |
| FSE - W                  | Pak Sulfa          | ceblan                     |           |             |                 |               |
| Rec GQ                   | Feet of 67 VSC     | DCMW                       | 9 %gas    | %oil        | 70 %water       | 25 %mud       |
| Rec A 2023               | Feet of GRM        |                            | 10%gas    | 40%oil      | %water          | 50%mud        |
| Rec 315                  | Feet of Gip        |                            | 100%gas   | %oil        | %water          | %mud          |
| Rec                      | Feet of            |                            | %gas      | %oil        | %water          | %mud          |
| Rec                      | Feet of            |                            | %gas      | %oil        | %water          | %mud          |
| Rec Total                | внт 112            | Gravity                    | PIRW 0.19 | @ 70 °F (   | Chlorides 76,   |               |
| (A) Initial Hydrostatic_ | 111 111            | Test                       |           |             | ation 0315      |               |
| (B) First Initial Flow   | 25                 | 🖾 Jars                     |           |             | MA TAX          |               |
| (C) First Final Flow     | 46                 | Safety Joint               |           | T-Open_     | 08:41           |               |
| (D) Initial Shut-In      | 360                | Circ Sub                   |           | T-Pulled    | 11:41           |               |
| (E) Second Initial Flow  | v 64               | Hourly Standby             |           | T-Out       | 326             |               |
| (F) Second Final Flow    | 1 2                | Q Mileage                  |           | Commen      | ts find to      | nat           |
| (G) Final Shut-In        | 12 min             | O Sampler                  |           | on          | Cat             |               |
| (H) Final Hydrostatic_   | 1 1 7 1            | Q Straddle                 |           |             |                 |               |
| (,                       |                    |                            |           | 72          | ool             |               |
| Initial Open             |                    | Shale Packer               |           |             | ed Shale Packer |               |
| Initial Shut-In          |                    | Q Extra Packer             |           |             | ed Packer       |               |
| Final Flow               |                    | Extra Recorder             |           |             | Copies          |               |
| Final Shut-In            | 145                | Day Standby                |           |             | ·               |               |
|                          | >                  |                            |           |             | Disch           |               |
| Approved Bu              |                    | Sub Total                  |           |             | Disc't          |               |

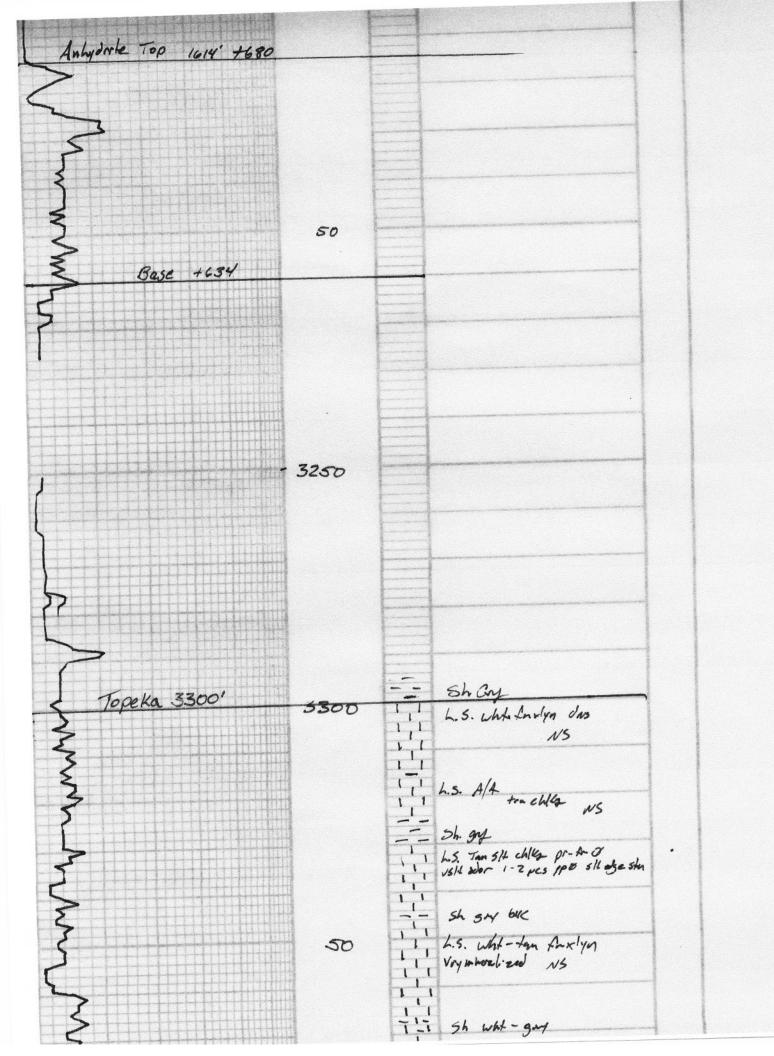
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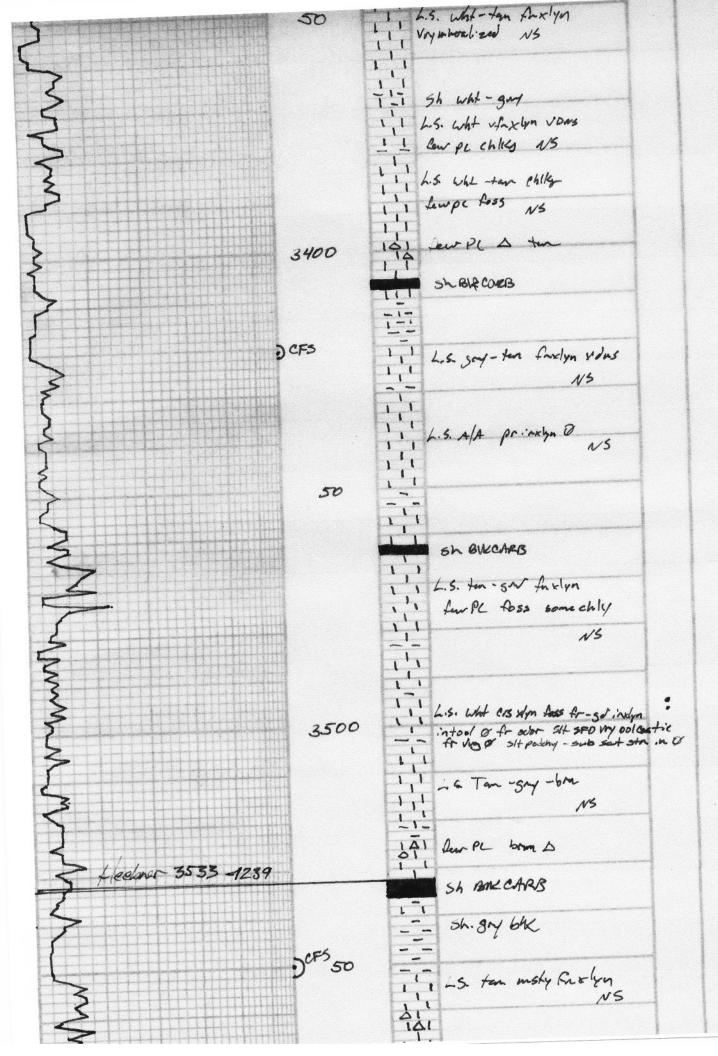
Tritobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hele shall be paid for at cost by the party for whom the test is made.

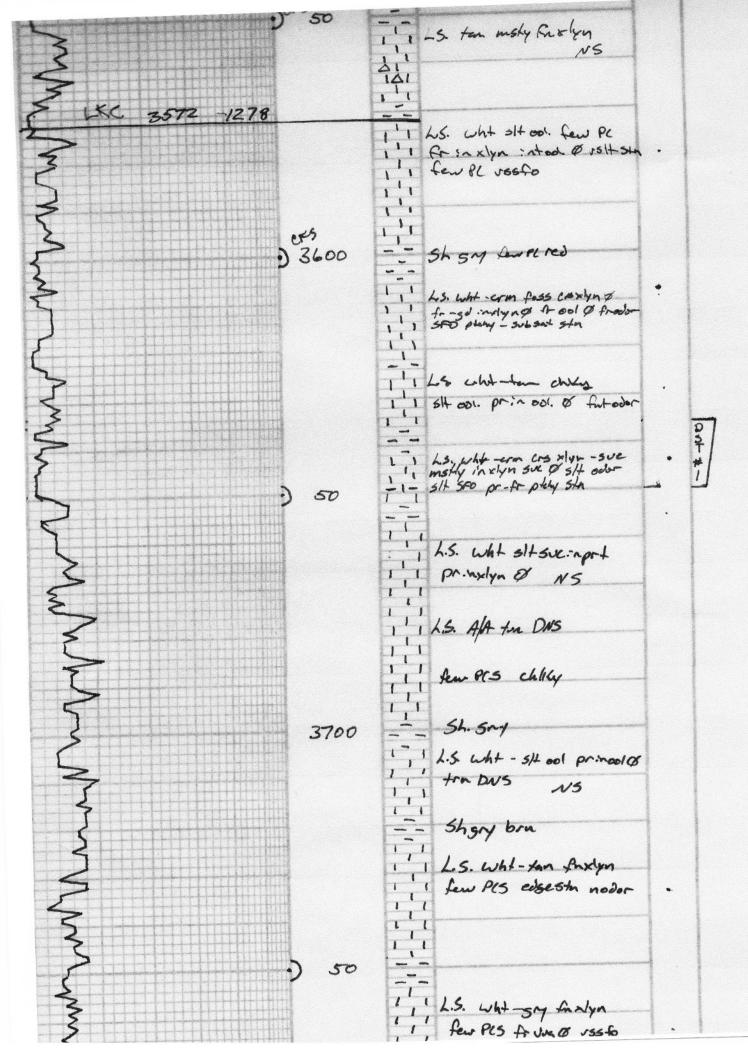
Our Representative

DATE GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG OPERATOR Heritoge Oil LLC ELEVATION LEASE Schuster WELL NO. 1-30 2294 KB. 2291 FIELD Kasser 22.89 LOCATION 610 FSL : 2000 FEL Measurements Are All From KB SEC 30 TWP 135 RGE 200 CASING RECORD 878 30-@ 218 contractor white Knight W/ 150 5% common 5/30/21 COMP COMM. 5/22 21 3935' PRODUCTION LOG TO \_3935' RTD 3935' 5/2 @ 3930' K3 1506x TD 3250 10\_\_\_\_ SAMPLES SAVED FROM DRILLING TIME KEPT FROM \_32.50 TO TO Common 30 gx Rathole TD TD SAMPLES EXAMINED FROM \_\_\_\_\_3250 - 10 TD GEOLOGICAL SUPERMISION FROM 3250 FLECTRICAL SURVEYS MID UP 3300 TYPE HAD Chem Mud CNDL DIL Micro STRUCT SAMAPH E LOG BHVC FORMATION RAG COMP DATUM 的和我 1614 +680 1620' +674 1658' +636 +7 Midual Working Anhydrite +6 Base 3301' -1007 3533' -1239 3300'-1006 3533' -1239 +7 Topexa +5 Hectoner Toronto 3572' -1278 3821' -1527 3880' -1586 3925' -1631 +4 3571' -1277 LKC -1 BKC 3821' -1527 -2 Marmaton 3918 -1624 -10 Cherokee Shale NA 3935'-1641 NA NA 3735' -1641 trouckle RTD REFERENCE WELL FOR STRUCTURAL COMPARISON Kregger - Luea # 1-3/ 150' FNL \$ 2030 FWL 31-135-200 Downy Nelson

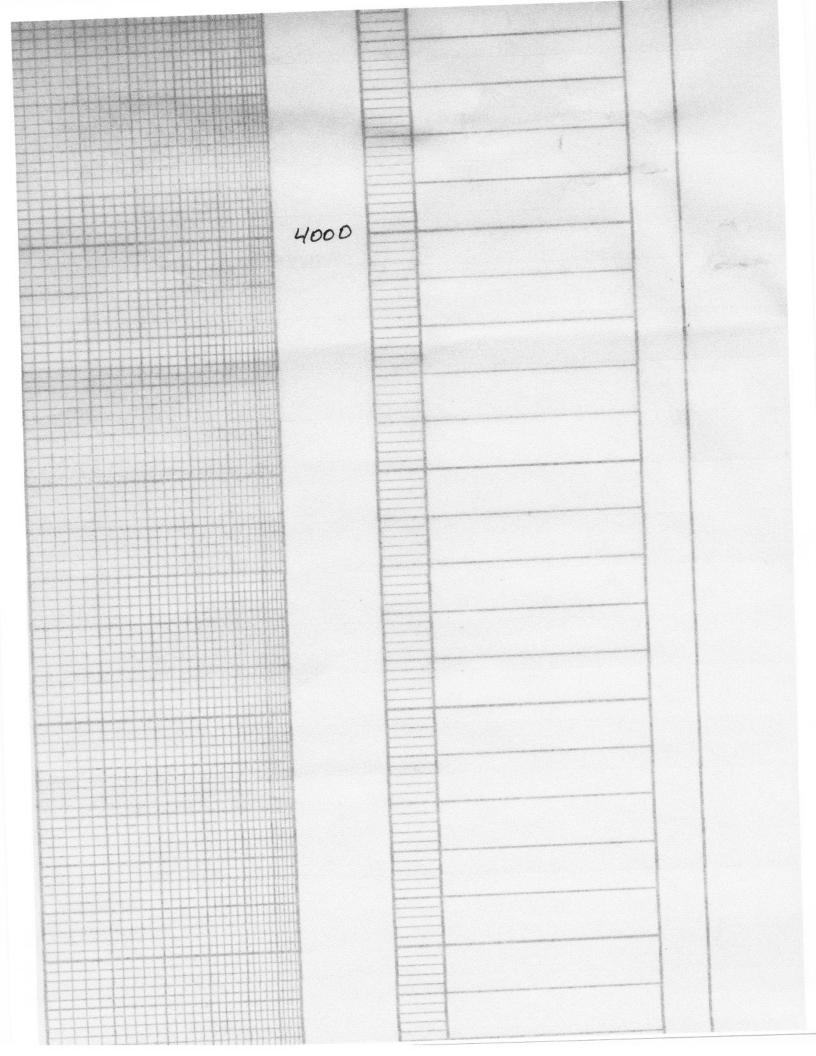
| DV @ 1605   | Ove to DST #<br>position it was decided by all a<br>glasto further test the well for                    |                      |           |                 |                     |          |           |          |       |
|---|---|----------------------|-----------|-----------------|---------------------|----------|-----------|----------|-------|
| Respectfully  | o DST #1 Sumple Shows, and Showhired<br>by all parties to set production Casing<br>rell for production. |                      |           |                 |                     |          |           |          |       |
| Luc   | drite Salt  | Sandatone            | LE        | EGEN<br>Carb sh | D<br>E<br>Limestons |          | Chert     | Dolomite |       |
| RILLING TIME IN<br>PER FOU<br>Role of Penetrolion I | MINUTES<br>OT<br>Decreases<br>15° 20° 25°   | depth<br><b>1600</b> | LITHOLOGY | SAMI            | PLE DESC            | RIPTIONS | OIL SHOWS |          | REMAR |







L.S. wht - sry finalyn few PCS Ar Ung @ 155 fo nooder Sh.gm 3800 1 LS whit mostly shiky NS BRC 3821 -1527 M Mr Sh blkgm 50 few PC LS. whit - gry Darlyn NS Marmaton 3880-1586 h.S. wht-gry faxlyn pro VONS NS L.S. Whit - tan fr-cisklyn ) 3900 fewPC fr-gd inxlyn & . subsul-sut sta sta off out fu sto 15 TIM DWS A Arac Of faxlyn pr-frinklyn & slisfo on SAK Chart yellow what Acure egiste Cherolder Shale 3925 -1631 ShBIKCHEB Conglommat Sand 3930 -1136 55. An-melgon subrad ACAPA ... RTD 3935 -1641 prisont sikabr 35F0 very Anable goingon & 50



|                                     |                                   | _  |   |  |         |
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|                                     |                                   | and the second s | Annales a constant of the second  | 92   |         |
| 5" 10" 15" 20" 25"                  |                                   | ITHO I   | SAMPLE DESCRIPTIONS   |  | REMARKS |
| DOLLING TIME Minutes/Foot           | DEPTH                             | LITHOLOGY  | SMART Les Williament  | SMOHS  |         |
| Rote of Panetrotion Decredance      | an anapta tike sa areasana        |  |   |  |         |
|                                     |                                   |  | LOCATION _610' FSL  | 3 2000                                       | FEL     |
| CONTRACTOR White Knish              | at Drilli                         | ng   | ara .30 IMF   |  |         |
| LEASE Schuster                      | 1P_                               | 15'  | COUNTY_ Ellis   | STAT   | Kansas  |
| LEASE Schuster<br>ELEVATION 2294 KB | RTD 31                            | and the second   |   |  |         |
|                                     |                                   |  | and the second state of the second | energies and an approximately free presents. |         |
|                                     | An an ann an Anna an Anna an Anna |  |   |  |         |
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