# KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1 September 1999 Form Must Be Typed

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

| Operator: License # 33344  | API No. 15 - 15-133-26991-0000   |
|--|--|
| Name: Quest Cherokee, LLC  | County: Neosho   |
| Address: 211 W. 14th Street  | SW_NE_Sec. 8 Twp. 29 S. R. 19  |
| City/State/Zip: Chanute, KS 66720  | 1980 feet from S / (Circle one) Line of Section  |
| Purchaser: Bluestern Pipeline, LLC   | 1980 feet from (E) W (circle one) Line of Section  |
| Operator Contact Person: Jennifer R. Smith   | Footages Calculated from Nearest Outside Section Corner:   |
| Phone: (620) 431-9500  | (circle one) (NE) SE NW SW   |
| Contractor: Name: TXD  | Lease Name: Heilman, Vern L. Well #: 8-4   |
| License: 33837   | Field Name: Cherokee Basin CBM   |
| Wellsite Geologist: Ken Recoy  | Producing Formation: Multiple  |
| Designate Type of Completion:  | Elevation: Ground: 960 Kelly Bushing: n/a  |
| New Well Re-Entry Workover   | Total Depth: 1277 Plug Back Total Depth: 1271  |
| OilSWDSIOWTemp. Abd.   | Amount of Surface Pipe Set and Cemented at 22 Feet   |
| Gas ENHR SIGW  |  |
| Dry Other (Core, WSW, Expl., Cathodic, etc)  | Multiple Stage Cementing Collar Used? . ☐Yes ✓ No  |
|  | If yes, show depth setFeet   |
| If Workover/Re-entry: Old Well Info as follows:  | If Alternate II completion, cement circulated from 1271  |
| Operator:  | feet depth to surface w/ 175 sx cmt.   |
| Well Name: Original Total Depth:   | Drilling Fluid Management Plan Alt II NCR 8-13-08  |
| Deepening Re-perf. Conv. to Enhr./SWD  | (Data must be collected from the Reserve Pit)  |
| Plug Back Plug Back Total Depth  | Chloride content ppm Fluid volume bbls   |
| •  | Dewatering method used   |
| Commingled Docket No.  | Location of fluid disposal if hauled offsite:  |
| Dual Completion Docket No  | Operator Name:   |
| Other (SWD or Enhr.?) Docket No  | Lease Name: License No.:   |
| 7-06-07 7-08-07 7-11-07  | Quarter Sec Twp S. R East West   |
| Spud Date or Date Reached TD Completion Date or Recompletion Date  |  |
| ,  | County: Docket No.:  |
| Kansas 67202, within 120 days of the spud date, recompletion, workown Information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells herein are complete and correct to the best of my knowledge.  Signature: | the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, er or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 12 months if requested in writing and submitted with the form (see rule 82-3-131 and geologist well report shall be attached with this form. ALL CEMENTING Submit CP-111 form with all temporarily abandoned wells.  Attached to the control of the complete with and the statements with the control of t |
| Fitle: New Well Development Coordinator Date: 7-21-08  | Letter of Confidentiality Received   |
| 218+   | If Denied, Yes Date:   |
| Subscribed and sworn to before me this A day of  | Wireline Log Received  |
| 20 <u>0b</u> .   | RECEIVED  Geologist Report Received (ANSAS CORPORATION COMMIS  |
| Notary Public Jerra Flauman  | UIC Distribution   |
| Date Commission Expires: 8-4-2010 TERRA Notes: 13-45   | JUL 2 2 2008   |
| Date Commission Expires: B 9 9 9 0 0 Notary Public- My Appt. Expires 8   | State of Kanana  |

Lease Name: Heilman, Vem L. Operator Name: Quest Cherokee, LLC Twp. \_29 INSTRUCTIONS: Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report. Formation (Top), Depth and Datum Sample **√** Log Yes No **Drill Stem Tests Taken** (Attach Additional Sheets) Top **Datum** Name No Samples Sent to Geological Survey Yes See attached Cores Taken Yes □No No Yes Electric Log Run (Submit Copy) List All E. Logs Run: Compensated Density Neutron Log **Dual Induction Log CASING RECORD** New Used Report all strings set-conductor, surface, intermediate, production, etc. Type and Percent Size Casing Weight Setting Type of # Sacks Size Hole **Purpose of String** Additives Set (In O.D.) Depth Used Drilled 22 "A" 5 Surface 12-1/4 8-5/8" 22 "A" 175 1271 14.5 Production 7-7/8 5-1/2 ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type and Percent Additives Type of Cement #Sacks Used **Top Bottom** Perforate **Protect Casing** Plug Back TD Plug Off Zone Acid, Fracture, Shot, Cement Squeeze Record PERFORATION RECORD - Bridge Plugs Set/Type Shots Per Foot Depth (Amount and Kind of Material Used) Specify Footage of Each Interval Perforated 300gal 15%HCLw/ 26bbis 2%kcl water, 748bbis water w/ 2% KCL, Blocide, 9500# 20/40 sa 921-924/868-870 921-924/868-870/863-865 863-865 672-674/654-656 300gel 15%HCLw/ 35bbls 2%kcl water, 563bbls water w/ 2% KCL, Blocide, 8400# 20/40 672-674/654-656/618-621/593-595 618-621/593-595 300gal 15%HCLw/ 40bbls 2%kd water, 456bbls water w/ 2% KCL, Blocide, 6300# 20/40 sand 514-518/501-505 514-518/501-505 Packer At Liner Run **TUBING RECORD** Size Set At Yes ☐ No 964 n/a 2-3/8" Producing Method Date of First, Resumerd Production, SWD or Enhr. ✓ Pumping Gas Lift Other (Explain) Flowing 7-31-07 Gas-Oil Ratio Bbls. Gravity Water Bbls. Gas Mcf **Estimated Production** Per 24 Hours 11bbls n/a 54mcf METHOD OF COMPLETION Production Interval Disposition of Gas Dually Comp. Commingled Open Hole Perf. Vented ✓ Sold Used on Lease (If vented, Submit ACO-18.) Other (Specify)



### TXD SERVIÇES LP

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## **DRILLERS LOG**

#### **TXD SERVICES LP**

| RIG#                   | 10        | 1              | S. 8                  | T. 29                                   | R. 1                                  |             |             |                  |
|------------------------|-----------|----------------|-----------------------|---|---------------------------------------|-------------|-------------|------------------|
| API#                   | 133-2699  | )1             | County:               | Neosho                                  | ······                                | 343'        | slight blow | a an Mini Managa |
|                        | Elev:     | 960'           | Location              | Kansas                                  |                                       | 529'        | slight blow |                  |
|                        |           |                |                       |   |                                       | 560'        | slight blow |                  |
| Operator:              | Quest Ch  | erokee, LLC    |                       |   |                                       | 622'        | 18 - 1/2"   | 26.6             |
| Address:               | 9520 N. N | May Ave, Suite | e 300                 |   | _                                     | 746'        | 10 - 1/2"   | 19.9             |
|                        | Oklahom   | a City, OK. 73 | 120                   |   |                                       | 870'        | 10 - 3/4"   | 44.8             |
| Well#                  | 8-4       |                | Lease Nam             | e Heilman                               | Vern L                                | 932'        | 4 - 3/4"    | 28.3             |
| Footage Loca           | บ่อก      | 1980           | ft from the           | N                                       | Line                                  | 963'        | 15 - 3/4"   | 55.2             |
|                        |           | 1980           | ft from the           | Ē                                       | Line                                  |             |             |                  |
| <b>Drilling Contra</b> | ctor:     | TXD            | SERVICE               | SLP                                     |                                       |             |             |                  |
| Spud Date;             | NA        |                | Geologist:            |   | · · · · · ·                           |             |             | <del>.</del>     |
| Date Comp:             | 7/8/200   | 7              | Total Depth           | 1281'                                   | · · · · · · · · · · · · · · · · · · · |             |             |                  |
| Exact spot Loc         | cation;   | SW NE          |                       |   | <del>-</del>                          |             |             | ·                |
|                        |           | 5.000 Ash      |                       |   |                                       |             |             |                  |
| 08049-5-1-1-16         | Surface   | Production     | an and the section of | 2. 17. 12. 11. 125. 1. 18.              | us (the entity) like of               | September 1 |             |                  |
| Size Hole              | 12-1/4"   | 6-3/4"         |                       |   |                                       |             |             |                  |
| Size Casing            | 8-5/8"    | 4-1/2"         |                       |   |                                       |             |             |                  |
| Weight                 | 24#       |                | -                     |   | <del></del>                           |             |             | .,               |
| Setting Depth          | 21'       |                |                       | *                                       |                                       | ·           |             |                  |
| Type Cement            |           |                |                       | ····                                    |                                       | <del></del> |             |                  |
| Sacks                  |           | 1              |                       | • | · · · · · · · · · · · · · · · · · · · | <del></del> |             |                  |

|  | A CONTRACTOR |      |            |     | 1-7  |              | E PARAMETER NE |      |
|--|--------------|------|------------|-----|------|--------------|----------------|------|
| Formation                                | Тор          | Btm. | Formation  | Тор | Btm. | Formation    | Тор            | Btm. |
| top soil                                 | 0            | 1    | shale      | 332 | 338  | shale        | 621            | 643  |
| ciay/shale                               | 1            | 21   | sand       | 338 |      | b.shale      | 643            | \$   |
| lime                                     | 21           | 58   | lime       | 385 | 389  | coal         | 644            | 645  |
| shale                                    | 58           | 59   | coal       | 389 |      | shale        | 645            |      |
| b.shale                                  | 59           | 61   | shale      | 390 |      | coal         | 684            | 685  |
| shale                                    | 61           | 62   | lime       | 430 |      | shale        | 685            | 723  |
| lime                                     | 62           | 64   | coal       | 434 |      | coal         | 723            | 724  |
| shal <del>e</del>                        | 64           | 93   | shale      | 435 |      | shale        | 724            | 865  |
| sand                                     | 93           | 99   | coal       | 447 |      | b.shale      | 865            | 866  |
| shale                                    | 99           | 101  | shale      | 448 |      | coal         | 866            | 867  |
| lime                                     | 101          | 115  | coal       | 470 |      | shale        | 867            | 923  |
| shale                                    | 115          | 156  | shale      | 471 |      | coal         | 923            | 925  |
| lime                                     | 156          | 176  | lime       | 475 |      | shale        | 925            | 940  |
| shale                                    | 176          | 179  | shale      | 500 |      | mississ/lime | 940            | 1210 |
| b.shale                                  | 179          | 181  | lime       | 512 |      | shale        | 1210           | 1238 |
| coal                                     | 181          | 182  | b.shale    | 517 |      | lime         | 1238           | 1258 |
| shale                                    | 182          | 199  | coal       | 518 |      | b.shale      | 1258           | 1263 |
| lime                                     | 199          | 201  | shale      | 519 |      | arbuckle     | 1263           | 1281 |
| shale                                    | 201          | 291  | sand/shale | 567 | 573  |              |                | 1201 |
| ime                                      | 291          | 309  | shale      | 573 | 595  |              |                |      |
| shale                                    | 309          | 330  | coal       | 595 | 596  |              |                |      |
| coal                                     | 330          | 331  | shale      | 596 | 620  |              |                |      |
| b.shale                                  | 331          |      | coal       | 620 | 621  |              |                | ***  |
| en e | 927' added   |      |            |     |      |              |                |      |

RECEIVED KANSAS CORPORATION COMMISSION



7-11-07

211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9500

## TICKET NUMBER 2294

TOWNSHIP

SECTION

8

FIELD TICKET REF #

RANGE

19

COUNTY

NO

622150

#### TREATMENT REPORT & FIELD TICKET CEMENT

WELL NAME & NUMBER

Vern

| FOREMAN /<br>OPERATOR | - TIME                                 | TIME       | LESS<br>LUNCH                  | TRUCK<br>#                              | TRAILER #                             | TRUCK  | EMPLOYEE<br>SIGNATURE    |
|-----------------------|--|------------|--------------------------------|---|---------------------------------------|--|--------------------------|
| July B                | 10:45                                  | 3:00       |                                | 903427                                  |                                       | 4.25   | Joe Clardo               |
| MAVERICK.D            |  |            |                                | 903197                                  |                                       | 4.25   | 12.12                    |
| Tylee. G              | 10:45                                  |            |                                | 903206                                  | 4.                                    | 4.25   | 7                        |
| Tim. A                | 9:30                                   |            |                                | 903142                                  | 932452                                | 5.5  | In aget                  |
|                       | ·                                      |            |                                |   | 7                                     |  |                          |
| L.,                   |  | <u></u>    |                                |   | <u> </u>                              | <del>                                     </del> |                          |
|                       |  |            |                                | OLE DEPTH                               |                                       |  |                          |
| CASING DEPTH /        | <u> 269 • 9</u> 9drill i               | PIPE       | T                              | UBING                                   | OTHE                                  | R <u> </u>                                       |                          |
| SLURRY WEIGHT_        | <i>14.5</i> SLURR                      | Y VOL      |                                | VATER gal/sk                            | CEME                                  | NT LEFT IN CASING                                | à                        |
| DISPLACEMENT 2        | 0.25 DISPLA                            | CEMENT F   | PSI N                          | /IIX PSI                                | RATE                                  | - Lobw   |                          |
| REMARKS:              |  | ( ~        |                                |   |                                       | 175-11   | ۲.                       |
| TUSTAILE              | (chent he                              | ac KAI     | D 2 SKS ,                      | 9-12 Plu                                | bloyed                                | 1 1 25 1C 2 0                                    | T Cement to as           |
| oye to su             | vtace. +lu                             | sh pu      | up turpu                       | ·p-12 plu                               | a to botto                            | IM 4 DETTI                                       | COUSTION TO              |
|                       | ······································ |            |                                | ·                                       |                                       |  | or and the second second |
| -                     | , <del></del> -                        |            |                                | · · · · · · · · · · · · · · · · · · ·   |                                       |  |                          |
|                       |  |            |                                | •                                       |                                       |  |                          |
|                       |  |            | ····                           | - <del>`</del>                          |                                       |  |                          |
| ·<br>,                | 1269                                   | .99        | f+ 111/2                       | Casing                                  |                                       |  |                          |
| ., p <del>d </del>    | / & 0 .                                | 6          | Central                        |   |                                       |  |                          |
| 931310                | 3                                      | in         | <b>A</b>                       | tractor                                 |                                       |  |                          |
| 932900                | 3                                      | nr         | (CSINO                         | troilor                                 |                                       |  |                          |
| ACCOUNT<br>CODE       | QUANTITY or L                          | JNITS      |                                | DESCRIPTION OF SE                       | ERVICES OR PRODUC                     | Т  | TOTAL<br>AMOUNT          |
| 903437                | 4: 25                                  | 5 20       | Foreman Pickup                 |   |                                       |  |                          |
| 903197                | 41.25                                  | hr         | Cement Pump Truck              | · ·                                     |                                       |  |                          |
| 903206                | 41.25                                  | hr         | Bulk Truck                     |   |                                       |  |                          |
| 1104                  | 165                                    | 5K         | Portland Cement                | ~ |                                       |  |                          |
| 1124                  |  | 2          | 50/50 POZ Blend C              |   | 1e 3/2 4                              | 3  |                          |
| 1126                  |  | 1          | -OWC - Blend-Geme<br>Gilsonite | m +1/2 W.                               | proplus                               |  |                          |
| 1110                  | 1,5                                    | SK<br>5 SK | Flo-Seal                       |   |                                       | RFC  | EIVED                    |
| 1118                  | 2                                      |            | Premium Gel                    |   | · · · · · · · · · · · · · · · · · · · |  | ATION COMMISSION         |
| 1215A                 | 196                                    | ( )        | KCL                            |   |                                       | ALIC 4   | 2 2000                   |
| 1111B                 | , ,                                    | 3 5K       | Sodium Silicate                | Calchlori                               | de                                    | AUG 1  | 2 2008                   |
| 1123                  | 7000                                   | 122 0      | City Water                     |   |                                       |  | TON DIVISION             |
| 903142                | 5.5                                    | The        | Transport Truck                |   |                                       | WICH   | ITA, KS                  |
| A 32 452              | 5.5                                    | rv:        | Transport Trailer              |   |                                       |  |                          |
| Ravin 4513            |  |            | 80 Vac                         | 1 .                                     |                                       |  |                          |
| 170VIII 4013          | (                                      |            | 111/2 floo                     | atshoe                                  |                                       |  |                          |



| (   |  |   |  | j  |
|---|--|---|--|--|
|   | Geology Brief - Data taken fr  | om Driller's Log & Compensate   | ed Density Log   | TXD Drilling   |
| WELL NAME: Heilman, Vern L.   | SECTION: 27. 8   | REPORT#:  | SPUD DATE:   | 7/6/2007   |
| WEILER 8-4 FIELD: Cherokee Basin  | TWP: 29  | S DEPTH: *  |  |  |
| FIELD: Cherokee Basin   | RANGE: 19  | E PBTD: "; ;  |  |  |
| COUNTY: Neosho  | ELEVATION: 4 496   | FOOTAGE:  |  | North LINE   |
| STATE: Kansas   | API#: 15   | -133-26991-0000   | 1980 FT FROM   |  |
|   | ********   | 4+2-2-2-4   | 1975201  |  |
| ACTIVITY DESCRIPTION:  TXD Drilling, Joe Chaloupek and Jef  | ff Thompson, drilled to TD 1   | 277 ft. on Sunday, 7/8/07 at 11:0   | 00 a.m.  |  |
| Surface Casing @ 22.0 ft.   | ***************************************  |   |  |  |
| Surface Casing Size: 8 5/8"   |  |   |  |  |
|   |  |   |  |  |
|   | s Measured   |   | COMMENTS:  |  |
| Mulberry Coal   | 0 mcf/day @  | 387-393 FT.   | Gas check at 343 ft. S   | light blow.  |
| exington Shale and Coal   | 0 mcf/day @  | 430-433 FT  | ~~~  | ***************************************  |
| Summit Shale & Coal   | 0 mcf/day @  | 500-507 FT.   |  |  |
| Mulky Shale & Coal  | 0 mcf/day @  | 513-518 FT.   | GCS. Gas check at 529  | ) ft.  |
| Bevier Coal   | 0 mcf/day @  | 592-596 FT.   | Upper baffle TBD.  |  |
| Verdigris Limestone   | 0 mcf/day @  | 614-616 FT.   | 07 412   |  |
| Croweburg Coal & Shale<br>Cleming Coal  | 27 mcf/day @<br>27 mcf/day @   | 616-621 FT.   | ZI mct/day from this ar  | ea. Gas check at 622 ft.   |
| Veir Coal   |  | 653-656 FT.   | Coo eb el el 740 #   |  |
| Bartlesville Sand   | 20 mcf/day @<br>20 mcf/day @   | 722-728 FT.   | Gas check at 746 ft.   |  |
| lowe Coal   | 20 mcf/day @   | Poorly developed FT.<br>862-865 FT.   | Lower baffle TBD.  |  |
| leutral Coal  | 45 mcf/day @   | 868-870 FT.   | 18 mcf/day from this are   | a Cas shoot of 070 #   |
| liverton Coal   | 45 mcf/day @   | 920-925 FT.   | Gas check at 932 ft.   | ca. Gas CHECK at 0/U π.  |
| Aississippi   | 55 mcf/day @   | 932-1211 FT.  | 10 mcf/day from this are   | ea Gas check at 062 ff   |
| Vorthview Shale   | 55 mcf/day @   | 1211-1237 FT.   | . o monday nom this all  | Ja. Jas Griech at 303 IL.  |
| Compton Limestone   | 55 mcf/day @   | 1237-1256 FT.   | ~~~~~~~~~~~ <del>~~~</del>   |  |
|   | 55 mcf/day @   | 1256-1262 FT.   | ***************************************  |  |
| Chattanooga Shale - good odor   |  |   |  |  |
|   |  | Ton at 1262 FT  |  |  |
| rbuckle   | 55 mcf/day @   | Top at 1262 FT.   | GCS at TD  |  |
| Arbuckle<br>'D: 1277 ft.  | 55 mcf/day @<br>55 mcf/day @   |   | GCS at TD.   |  |
| Arbuckle<br>TD: 1277 ft.<br>Note: Water coming into the hole fron   | 55 mcf/day @<br>55 mcf/day @<br>n zones drilled affects Drillin  | g & Gas Tests, and these Wells  | may require a booster to   | reach target TD.   |
| Arbuckle TD: 1277 ft. Jote: Water coming into the hole fron   | 55 mcf/day @<br>55 mcf/day @<br>n zones drilled affects Drillin  | g & Gas Tests, and these Wells  | may require a booster to   | reach target TD. deeper Zones.   |
| Arbuckle<br>FD: 1277 ft.<br>Note: Water coming into the hole fron<br>t should also be noted that in these W   | 55 mcf/day @<br>55 mcf/day @<br>n zones drilled affects Drillin<br>Vells the water can "kill" the  | g & Gas Tests, and these Wells  | may require a booster to   | reach target TD.<br>deeper Zones.  |
| Arbuckle TD: 1277 ft. Note: Water coming into the hole fron t should also be noted that in these W Bottom of Production Pipe Tally sheet  | 55 mcf/day @<br>55 mcf/day @<br>n zones drilled affects Drillin<br>Vells the water can "kill" the<br>t: TBD.   | g & Gas Tests, and these Wells  | may require a booster to   | reach target TD. deeper Zones.   |
| Arbuckle TD: 1277 ft. Note: Water coming into the hole fron t should also be noted that in these W Bottom of Production Pipe Tally sheet  | 55 mcf/day @<br>55 mcf/day @<br>n zones drilled affects Drillin<br>Vells the water can "kill" the<br>t: TBD.   | g & Gas Tests, and these Wells  | may require a booster to   | reach target TD. deeper Zones.   |
| Arbuckle D: 1277 ft.  Hote: Water coming into the hole fron t should also be noted that in these W  Bottom of Production Pipe Tally sheet Centralizers set on bottom joint & eve  | 55 mcf/day @ 55 mcf/day @ n zones drilled affects Drillin /ells the water can "kill" the t: TBD. ery 5 joints coming up.   | g & Gas Tests, and these Wells<br>Gas, causing the appearance of  | may require a booster to<br>much lower Gas Tests in  | deeper Zones.  |
| Arbuckle D: 1277 ft.  Hote: Water coming into the hole from t should also be noted that in these W  Bottom of Production Pipe Tally sheet Centralizers set on bottom joint & eve OTHER COMMENTS: Information in this report was taken desired.  | 55 mcf/day @ 55 mcf/day @ n zones drilled affects Drillin /ells the water can "kill" the t: TBD. ery 5 joints coming up.   | g & Gas Tests, and these Wells Gas, causing the appearance of   | may require a booster to much lower Gas Tests in   | deeper Zones.  |
| Arbuckle D: 1277 ft.  Hote: Water coming into the hole from t should also be noted that in these W  Bottom of Production Pipe Tally sheet Centralizers set on bottom joint & eve OTHER COMMENTS: Information in this report was taken de to the Compensated Density Log only.   | 55 mcf/day @ 55 mcf/day @ n zones drilled affects Drillin /ells the water can "kill" the t: TBD. ery 5 joints coming up. lirectly from the Drillers han Gas Tests reflect what the d   | g & Gas Tests, and these Wells Gas, causing the appearance of  d written notes, Geologists exan   | may require a booster to much lower Gas Tests in mich lower Gas Tests in mination of rock samples g activities. All zones are  | with a hand lens   |
| Thuckle D: 1277 ft.  Jote: Water coming into the hole from a should also be noted that in these Westom of Production Pipe Tally sheet centralizers set on bottom joint & even of the COMMENTS;  Information in this report was taken de the Compensated Density Log only.   | 55 mcf/day @ 55 mcf/day @ n zones drilled affects Drillin /ells the water can "kill" the t: TBD. ery 5 joints coming up. lirectly from the Drillers han Gas Tests reflect what the d   | g & Gas Tests, and these Wells Gas, causing the appearance of  d written notes, Geologists exan   | may require a booster to much lower Gas Tests in mich lower Gas Tests in mination of rock samples g activities. All zones are  | with a hand lens   |
| Arbuckle D: 1277 ft.  Note: Water coming into the hole from t should also be noted that in these Westom of Production Pipe Tally sheet Centralizers set on bottom joint & even of the Comments:  OTHER COMMENTS:  Information in this report was taken do the Compensated Density Log only. With minimal log correlation. Detailed awnee LS / Pink  | 55 mcf/day @ 55 mcf/day @ n zones drilled affects Drillin /ells the water can "kill" the t: TBD. ery 5 joints coming up. lirectly from the Drillers han Gas Tests reflect what the d   | g & Gas Tests, and these Wells Gas, causing the appearance of  d written notes, Geologists exan   | may require a booster to much lower Gas Tests in mich lower Gas Tests in mination of rock samples g activities. All zones are  | with a hand lens picked on site fyi only.  |
| Arbuckle D: 1277 ft.  Note: Water coming into the hole from a should also be noted that in these Weston of Production Pipe Tally sheet Centralizers set on bottom joint & even of the Comments:  NOTHER COMMENTS:  Information in this report was taken do the Compensated Density Log only. With minimal log correlation. Detailed awnee LS / Pink swego Coal  | 55 mcf/day @ 55 mcf/day @ 55 mcf/day @ n zones drilled affects Drillin Vells the water can "kill" the t: TBD. ery 5 joints coming up. directly from the Drillers han Gas Tests reflect what the d d work with logs may provide   | g & Gas Tests, and these Wells Gas, causing the appearance of  d written notes, Geologists exan   | may require a booster to much lower Gas Tests in a much lower Gas Tests in the control of the co | with a hand lens picked on site fyi only.  RECEIVED  |
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| Arbuckle (D: 1277 ft. Note: Water coming into the hole from t should also be noted that in these W Bottom of Production Pipe Tally sheet Centralizers set on bottom joint & eve OTHER COMMENTS: Information in this report was taken of the Compensated Density Log only. With minimal log correlation. Detailed Swego Coal Deswego Limestone Gineral Coal cammon Coal ebo Coal   | 55 mcf/day @ 55 mcf/day @ 55 mcf/day @ m zones drilled affects Drillin Vells the water can "kill" the t: TBD.  ery 5 joints coming up.  directly from the Drillers han Gas Tests reflect what the d d work with logs may provide  393-430 468-471 471-500 669-674 682-684 708-713                    | g & Gas Tests, and these Wells Gas, causing the appearance of  d written notes, Geologists exan   | may require a booster to much lower Gas Tests in mination of rock samples of activities. All zones are poir analysis. Below Zones  | with a hand lens picked on site fyi only.  RECEIVED ANSAS CORPORATION COMMISS  AUG 1 2 2008  CONSERVATION DIVISION |
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DATE

FOREMAN /

7-11.07

Ravin 4513

#### 211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9500

## TICKET NUMBER 2294

FIELD TICKET REF #

TOWNSHIP

TRUCK

SECTION

8

TRAILER

FOREMAN Joe

RANGE

19

COUNTY

NO

**EMPLOYEE** 

622150

Heilman

TIME

# TREATMENT REPORT & FIELD TICKET CEMENT

TRUCK

WELL NAME & NUMBER

Vern

TIME

8-4

LESS

| OPERATOR                | IN                    | 001         | LUNCH             | * #                                   | #                        | HOURS              | SIGNATURE        |  |  |
|-------------------------|-----------------------|-------------|-------------------|---------------------------------------|--------------------------|--------------------|------------------|--|--|
| Jue B                   | 10:45                 | 3:00        |                   | 203427                                |                          | 4.25               | you Clarcho      |  |  |
| MAVERICK D              | 10:45                 |             |                   | 903197                                |                          | 4.25               |                  |  |  |
| Tylee. G                | 10:45                 |             |                   | 903206                                | - 4                      | 4.25               | 1                |  |  |
| Tim. A                  | 9:30                  |             |                   | 703142                                | 932452                   | 5.5                | In aget          |  |  |
|                         |                       | -           | <del></del>       | 703712                                | 750 150                  | · 3 · J            | In cape          |  |  |
|                         |                       | <u> </u>    |                   | l                                     |                          |                    |                  |  |  |
| JOB TYPE Long           |                       |             |                   |                                       |                          |                    |                  |  |  |
| CASING DEPTH /          | 26.9 • 9 DRILL I      | PIPE        | TI                | JBING                                 | OTHE                     | ٩                  |                  |  |  |
| SLURRY WEIGHT_          | <u>/4 &gt; </u> SLURR | Y VOL       | W                 | /ATER gal/sk                          | CEME                     | ENT LEFT in CASING |                  |  |  |
| DISPLACEMENT 2          | <u>0.25</u> displa    | CEMENT P    | SI M              | IX PSI                                | RATE                     | Hbpm               |                  |  |  |
| REMARKS:                |                       |             |                   |                                       | •                        | . म                |                  |  |  |
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| dye to su               | face. flu             | sh pun      | p Purpu           | 10-12 Dlu                             | a to botto               | m of setfl         | cotshae          |  |  |
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|                         |                       |             |                   | · · · · · · · · · · · · · · · · · · · |                          |                    | MAR              |  |  |
|                         |                       |             |                   | \$                                    |                          | CONFIDEN           | IIME             |  |  |
|                         |                       |             |                   |                                       |                          | OCT 3 1 2          | 2007             |  |  |
|                         | 1269                  | . 99        | f+ 41/2           | Casing                                |                          |                    |                  |  |  |
|                         |                       | 6           | Centrali          | 20175                                 |                          | KCC                |                  |  |  |
| 931310                  | 3                     | he          | Casina            | troctor                               |                          |                    |                  |  |  |
| 932900                  | 3                     | m           | CosiNa            | tro ilor                              |                          |                    |                  |  |  |
| ACCOUNT                 | OLIANITITY 11         | INITO       |                   | DECORIDE OF OF                        | D. ((0.50 O.5. D. 0.5. ) | -                  | TOTAL            |  |  |
| ACCOUNT<br>CODE         | QUANTITY or U         | INITS       |                   | DESCRIPTION OF SE                     | RVICES OR PRODUCT        |                    | AMOUNT           |  |  |
| 903437                  | Ч. 25                 | h/ 1        | oreman Pickup     |                                       |                          |                    |                  |  |  |
| 903197                  | 41.25                 |             | Cement Pump Truck | <del></del>                           |                          |                    |                  |  |  |
| 903206                  | 165                   | hr [        | Bulk Truck        |                                       |                          |                    |                  |  |  |
| 1104                    |                       |             | Portland Cement   |                                       | 277                      |                    |                  |  |  |
| 1124                    | $\sim$                |             | OWC - Blend Cemen | ment Bo (()                           |                          | ఫ                  |                  |  |  |
| 1110                    |                       |             | Gilsonite         | 115 Dil                               | per plus                 |                    |                  |  |  |
| 1107                    | 1.5                   |             | Flo-Seal          |                                       |                          | REC                | EIVED            |  |  |
| 1118                    | <u> </u>              |             | Premium Gel       |                                       |                          | KANSAS CORPOR      | ATION COMMISSION |  |  |
| 1215A                   | 100                   | -           | (CL               |                                       |                          | 11014              |                  |  |  |
| 1111B                   | , ,                   | 5 5K -      | Bodium Silicate ( | Calchlori                             | de                       | NOA 0              | 2 2007           |  |  |
| 1123                    | 7,000                 | 2001        | City Water        |                                       |                          | CONSERVAT          | ON DIVISIO       |  |  |
| 903142                  | 5.5                   | The         | Transport Truck   |                                       |                          | Winter             | 1, 40            |  |  |
| A 32 452                | 5.5                   | <del></del> | Fransport Trailer |                                       |                          |                    |                  |  |  |
|                         | · .                   | ء ا         | RG Vac            |                                       |                          |                    | I                |  |  |

1112 flootstoe