

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

9/25/10,

| Operator: License # 33539 | API No. 15 - 205-27629-0000 |
|---|--|
| Name: Cherokee Wells, LLC | County: Wilson |
| Address: P.O. Box 296 | SW - NE - SE - NE Sec. 23 Twp. 27 S. R. 14 |
| City/State/Zip: Fredonia, KS 66736 | 1890 feet from S / (N) (circle one) Line of Section |
| Purchaser: Southeastern Kansas Pipeline | 360 feet from (E) W (circle one) Line of Section |
| Operator Contact Person: Emily Lybarger | Footages Calculated from Nearest Outside Section Corner: |
| Phone: (620) 378-3650 CONFIDENTIAL | (circle one) (NE) SE NW SW |
| Contractor: Name. McPherson Drilling | Lease Name: Thomas, R. Well #: A-12 |
| License: 5675 SEP 2 5 2008 | Field Name: Cherokee Basin Coal Gas Area |
| Wellsite Geologist: N/A | Producing Formation: Unknown |
| Designate Type of Completion: | Elevation: Ground: 863' Kelly Bushing: N/A |
| New Well Re-Entry Workover | Total Depth: 1344' Plug Back Total Depth: N/A |
| OilSWDSIOWTemp. Abd. | Amount of Surface Pipe Set and Cemented at 44' Feet |
| Gas ENHR SIGW | Multiple Stage Cementing Collar Used? ☐ Yes ☑ No |
| | If yes, show depth setFeet |
| Dry Other (Core, WSW, Expl., Cathodic, etc) | If Alternate II completion, cement circulated from surface |
| If Workover/Re-entry: Old Well Info as follows: | feet depth to bottom casing w/_ 140sx cmt. |
| Operator: | |
| Well Name: | Drilling Fluid Management Plan ALT II NH 12 1608 |
| Original Comp. Date:Original Total Depth: | (Data must be collected from the Reserve Pit) |
| Deepening Re-perf Conv. to Enhr./SWD | Chloride content ppm Fluid volume bbls |
| Plug Back Plug Back Total Depth | 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.: |
| 8/29/08 9/3/08 | Quarter Sec TwpS. R East _ West |
| Spud Date or Date Reached TD Completion Date or Recompletion Date | County: Docket No.: |
| Tooling Color Date | County: Docket No |
| | |
| Kansas 67202, within 120 days of the spud date, recompletion, workor Information of side two of this form will be held confidential for a period of | th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, wer 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-s and geologist well report shall be attached with this form. ALL CEMENTING s. Submit CP-111 form with all temporarily abandoned wells. |
| Kansas 67202, within 120 days of the spud date, recompletion, worko 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 log TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged well. All requirements of the statutes, rules and regulations promulgated to regu | ver 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-s and geologist well report shall be attached with this form. ALL CEMENTING |
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| TICKET NUMBER_ | 19359 |
|----------------|----------|
| LOCATION EL | reta |
| FOREMAN Tra | Stricker |

O Box 884, Chanute, KS 66720

FIELD TICKET & TREATMENT REPORT.

| ;20-431- 9 210 | or 800-467-867 | 5 | | CEMENT | ſ | | | |
|---------------------------|----------------|-------------|---------------|--------------|-----------|-----------------|-------------------|------------|
| DATE | CUSTOMER # | WELL | NAME & NUM | BER | SECTION | TOWNSHIP | RANGE | COUNTY |
| 9-4-08 | 2890 | Tham | 15 R.A-12 | | | | | wilson |
| CUSTOMER | | | \wedge | | | | 新在10.1011年 | |
| Domes | stic Energy | iv Anthe | ເ ທ ົ່ |] [| TRUCK# | DRIVER | TRUCK# | DRIVER |
| WAILING ADDR | ESS | - | | 1 (| 445 | Justin | | |
| 4916 C | amp Bowie | Suite 2 | &O |] [| 502 | Phil | | |
| CITY | | STATE | ZIP CODE | | | | | |
| Ft Wort | h | TX | 76107 | jl | | | | |
| JOB TYPE , 4 | | HOLE SIZE | 63/4. | HOLE DEPTH | 1344" | CASING SIZE & W | EIGHT <u>4を</u> ^ | , |
| CASING DEPTH | 1.338 | DRILL PIPE | | _TUBING | | | OTHER | |
| SLURRY WEIGI | HT 13.24 | SLURRY VOL_ | 4284 | WATER gal/sk | <u>8°</u> | CEMENT LEFT in | Casing <u>oʻ</u> | |
| | T 21.281 | | | | | | | · · |
| | | | | | | irculation h | 1 25851 | water. |
| Plama 4 | ck Gel | - Fluri | IORL W | rater soa | cer. 128 | u are m | tor m | ixed |
| 140580 | Thick Se | t Ceme | nt w/ | SM KO | 1-50x/ @ | 15.2 % gc/. | week o | nt floor |
| + lines. | Release | Plug. Disc | lace w/ | 21.28 | nuter. | Final Pu | moing A | assure |
| SOO AC | I. Runer | Plus to | 1300 PSI | . festit | 2mins. | Release A | essur. | Float Hell |
| Good (| ement t | Surface | - 8 6 | 61 5/4N2 | so Pit | | | |
| | | | | | JOAG | Co-plate. | | |
| | | | | | | • | | |
| | | | | | | | | |

| ACCOUNT CODE | QUANITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|-----------------|------------------|---|---------------------|---------|
| 5401 | 1 | PUMP CHARGE | 925.00 | 925.00 |
| 5406 | 40 | MILEAGE | 3.65 | 146.00 |
| 1126A | 140dg | Thick Set Commit | 17.00 | 2380.00 |
| IIIOA | # מסר | Kol-Sal Stak | .48 | 96100 |
| SYOT | | Ton-Milege | mje | 315.00 |
| 1118A | 200# | Gel-Flush | .17 | 34.00 |
| 4404 | | 45 Top Rubber Phy | 45.00 | 45.00 |
| | | RECEIVED KANSAS CORPORATION COMMISS | S ON COLOR | |
| | <u>.</u> | OCT 0 1 2008 | | 850 |
| | | That we conservation division Wichita, KS | Sub Tubl | 4139.00 |
| avin 3737 | | 6.5%. | SALES TAX ESTIMATED | 173.44 |

AUTHORIZION CALLED by Typer Lebb

TOTAL 4312.44

McPherson Drilling LLC² Drillers Log

R. THOMAS

NORTH Line

S. 23 Rig Number: 3 T. 27 R. 14E API No. County: WILSON 15- 205-27629 Elev. 863 Location: SW NE SE NE

Operator: **CHEROKEE WELLS LLC**

Address: P.O. BOX 296

FREDONIA KS 66738

Well No: A-12 Lease Name:

Footage Location: 1890

ft. from the 360

EAST Line

ft. from the

Drilling Contractor: **McPherson Drilling LLC**

Spud date: Geologist: .08/29/2008

Date Completed: Total Depth: 1344 .09/03/2008

| Casing Record | | | Rig Time: | | 1 |
|--------------------|----------|--------------|-----------|------------------|-----|
| | Surface | Production | 2.50 | HRS GAS TEST | 1 |
| Size Hole: | 11" | 6 3/4" | 1.00 | DAY BOOSTER | N/C |
| Size Casing: | 8 5/8" | | 1.00 | DRILL AND CEMENT | |
| Weight: | 20# | • | l | SURFACE | 1 |
| Setting Depth: | 44' | CHEROKEE | | | |
| Type Cement: | Portland | | 1 | | |
| Sacks [.] | 1 | CONSOLIDATED | DRILLER: | MAC MCPHERSON | |

| Gas Tests: | | | |
|-----------------|------|------|--|
| 655 | 0.00 | MCF | |
| 810 | 0.00 | MCF. | |
| 895 | 2.76 | MCF | |
| 947 | 2.76 | MCF | |
| 954 | 4.84 | MCF | |
| 1040 | 0.00 | MCF | |
| 1085 | 2.76 | MCF | |
| 1110 | 0.00 | MCF | |
| 1180 | 4.84 | MCF | |
| 1305 | 12.7 | MCF | |
| | | | |
| Start injecting | @ | | |
| | | | |

| Well Log | | | | | | | | |
|-------------|-----|------|------------------|------|------|-----------|-----------------------|------------------|
| Formation | Тор | Btm. | Formation | Тор | Btm. | Formation | Тор | Btm. |
| soil /clay | 0 | 31 | shale | 806 | 859 | | • | |
| gravel | 31 | 34 | lime | 859 | 860 | | | |
| lime | 34 | 44 | shale | 860 | 863 | | | |
| shale | 44 | 97 | lime | 863 | 888 | | | |
| lime | 97 | 144 | black shale | 888 | 891 | | | |
| shale | 144 | 222 | sandy shale | 891 | 909 | l l | | |
| lime | 222 | 269 | lime | 909 | 911 | | | |
| shale | 269 | 328 | sand shale | 911 | 920 | | | |
| lime | 328 | 338 | oswego | 920 | 935 | | | |
| sandy shale | 338 | 370 | summit | 935 | 944 | | | |
| lime | 370 | 418 | lime | 944 | 950 | | | |
| sand shale | 418 | 450 | mulky | 950 | 953 | | | |
| lime | 450 | 456 | sandy shale | 953 | 1038 | | | |
| shale | 456 | 487 | coal | 1038 | 1039 | | | _ |
| lime | 487 | 551 | shale | 1039 | 1047 | KANSAS C | RECEIVE ORPORATION | D Commissi |
| shale | 551 | 567 | sand (no show) | 1047 | 1056 | | | |
| lime | 567 | 573 | sandy shale | 1056 | 1080 | 0 | CT 0 1 20 | 308 |
| shale | 573 | 585 | coal | 1080 | 1081 | 200 | ISERVATION D | N/ICHONI |
| lime | 585 | 602 | shale | 1081 | 1107 | | WICHITA, KS | 3 |
| shale | 602 | 607 | coal | 1107 | 1108 | | Charles . | |
| lime | 607 | 651 | shale | 1108 | 1175 | ļ | () | |
| black shale | 651 | 656 | coal | 1175 | 1177 | | Cr | |
| sand shale | 656 | 805 | shale sand | 1177 | 1294 | | | 1972 - UNN 19 |
| coal | 805 | 806 | Mississippi lime | 1294 | 1344 | | . 1/1/ | = 2* |