KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINA Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

| Operator: License # 33344 | API No. 15 - 099-24017 - 00 - 00 |
|--|--|
| Name: Quest Cherokee, LLC | County: Labette |
| Address: 211 W. 14th Street | swseSec20Twp31SR19 |
| City/State/Zip: Chanute, KS 66720 | 660 feet from (S) N (circle one) Line of Section |
| Purchaser: Bluestem Pipeline, LLC | 1950 feet from (E) W (circle one) Line of Section. |
| Operator Contact Person: Jennifer R. Ammann | Footages Calculated from Nearest Outside Section Corner: |
| Phone: (620) 431-9500 | (circle one) NE SE NW SW |
| Contractor: Name: Blue Ribbon Drilling | Lease Name: McClanahan, James N. Well #: 20-1 |
| License: 33081 | Field Name: Cherokee Basin CBM |
| Wellsite Geologist: Ken Recoy | Producing Formation: Multiple |
| Designate Type of Completion: | Elevation: Ground: 950 Kelly Bushing: n/a |
| New Well Re-Entry Workover | Total Depth: 968 Plug Back Total Depth: 961.3 |
| Oil SWD SIOW Temp. Abd. | Amount of Surface Pipe Set and Cemented at 23 Feet |
| Gas ENHR SIGW | Multiple Stage Cementing Collar Used? ☐ Yes No |
| Dry Other (Core, WSW, Expl., Cathodic, etc) | If yes, show depth setFeet |
| If Workover/Re-entry: Old Well Info as follows: | If Alternate II completion, cement circulated from 961.3 |
| | feet depth to surface w/_115sx cmt. |
| Operator: | AH2-DA-12/3/08 |
| Original Comp. Date: Original Total Depth: | Drilling Fluid Management Plan |
| | (Data must be collected from the Reserve Pit) |
| Deepening Re-perf Conv. to Enhr/SWD | Chloride content ppm Fluid volume bbls |
| Plug BackPlug 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.; |
| 8/7/06 8/8/06 8/14/06 | Quarter Sec TwpS. R |
| Spud Date or Date Reached TD Completion Date or Recompletion Date | County: Docket No.: |
| | Docket No |
| Kansas 67202, within 120 days of the spud date, recompletion, workov 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, 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 s. Submit CP-111 form with all temporarily abandoned wells. |
| All requirements of the statutes, rules and regulations promulgated to regulations | late the oil and gas industry have been fully complied with and the statements |
| herein are complete and correct to the best of my knowledge. | and the gas massey hare been any complica that the statements |
| a 2 a | KCC Office Use ONLY |
| Signature: 4 Months Alexander 12/6/06 | NOO OFFICE USE ONLY |
| Fitle: New Well Development Coordinator Date: 12/6/06 | Letter of Confidentiality Received |
| Subscribed and sworn to before me this 6th day of 1000mb | ⊕ If Denied, Yes □ Date: |
| 2006. | Wireline Log Received |
| | Geologist Report REGANGAS CORPORATION COMMISS |
| Notary Public: Dovice Klauman | UIC Distribution DEC 0 8 2006 |
| Date Commission Expires: 8-4-2010 | |
| | TERRA KLAUMAN Notary Public - State of Kansas CONSERVATION DIVISION WICHITA, KS |
| · —— | ot. Expires 8-4-2010 |

| 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 shuf-in pressures, whether shuf-in pressure reached static level, hydrostatic pressures, bottom hole tested, time tool open and closed, flowing and shuf-in pressures, whether shuf-in pressure reached static level, hydrostatic pressures, bottom hole tested, time tool open and closed, flowing and shuf-in pressures, whether shuf-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rate of gas to surface test, along with final chart(e). Attach extra sheet if more space is needed. Attach copy of all fleciric Wireline Logs surveyed. Attach final geological well site report. | Operator Name: Qu | est Cherokee, Ll | _C | Lease I | Name: | /IcClanahan | , James N. | Well #: 20-1 | • | |
|--|--|---|---|--------------------------------------|---------------------------------------|----------------------|---------------------------------|--------------------------------|----------------------------|--|
| tested, line tool open and closed, flowing and sturin pressures, whether shusin pressure reaches static level, hydrostatic pressures, bottom hole better protection. If the covering of the more of the covery of all effective Wireline Logs surveyed. Attach final geological well site report. Drill Stem Tests Taken | | | | | | | | <u> </u> | | |
| Samples Sent to Geological Survey | tested, time tool ope temperature, fluid re | en and closed, flowirecovery, and flow rate | g and shut-in press es if gas to surface t | ures, whether shuest, along with fir | ut-in pre | ssure reached | static level, hydi | rostatic pressures | , bottom hole | |
| Samples Sent to Geological Survey | | | | | | | | | | |
| Samples Sont to Geological Survey | | | Yes 🗸 i | No | | | tion (Top), Depth | | • | |
| Electric Log Run Submir Capy List All E. Log Run: | Samples Sent to Ge | ological Survey | Yes 🗸 | No | | | | юр | Datum | |
| List All E. Logs Run: Dual Induction Log Compensated Density Neutron Log CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Setting Depth Used Type of F Sactis Type and Percent Used Type of Setting Used Type and Percent Additives Setting Used Type and Percent Additives Setting Used Used Type and Percent Additives Setting Used | Cores Taken | | ☐ Yes 🗸 i | No | | | | | | |
| Dual Induction Log Compensated Density Neutron Log CASING RECORD New Used Report all strings set-conductor, sucface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Depth Depth Cement Used Type and Percent Additives Additives Additives Additives Additives Production 6-3/4 4-1/2 10.5 961.3 "A" 4 Production 6-3/4 4-1/2 10.5 961.3 "A" 115 ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: | Electric Log Run (Submit Copy) | | Yes I | No | | | | | | |
| CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Si | List All E. Logs Run: | : | | | | | | | | |
| Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Drilled Size Casing Drilled Size Casing Drilled Size Casing Purpose of String Setting S | | _ | tron Log | | | | | | | |
| Purpose of String Size Hole Dilled Size Casing Weight Depth Depth Cement Type of Sacks Type and Percent Additives | | | CA | SING RECORD | Ne | w Used | | | | |
| Drilled Set (In O.D.) Lbs./Ft. Depth Cement Used Additives | <u> </u> | | -, | | | | | | | |
| Perioduction 6-3/4 | Purpose of String | | | | | | | | | |
| ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone Shots Per Foot Shots Per Foot PERFORATION RECORD - Bridge Plugs SetType Specify Footage of Each Interval Perforated 4 872-874/834-836/818-820/811-813 300gs 1914/Cut-2 20 bits 744cd width, 541bbb wilder wt 751 KCL, Bloods, 100009 3070 cmd 4 655-657/583-585/546-548/551-553/518-520 4 4 431-435/412-416 TUEING RECORD 2-3/8* Size Set At Packer At 1/28/06 Production, SWD or Enhr. 11/28/06 Flowing Production Per 24 Hours Na METHOD OF COMPLETION Production Per 24 Hours Na METHOD OF COMPLETION Production Interval Perforate Type and Percent Additives Type and Percent Additives Type and Percent Additives Type and Percent Additives Flowing Add, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth Bethod Missing Additional Addit | Surface | 12-1/4 | 8-5/8" | 20 | | 23 "A" | | 4 | | |
| Purpose: | Production | 6-3/4 | 4-1/2 | 10.5 | | 961.3 | "A" | 115 | | |
| Purpose: | · · · · · · · · · · · · · · · · · · · | | | | j | | ļ | | | |
| Perforate | | | ADDITI | ONAL CEMENTIN | G / SQU | EEZE RECOR | RD . | | | |
| Plug Back TD | ļ · | | Type of Cemen | of Cement #Sacks Used | | | Type and Percent Additives | | | |
| Specify Footage of Each Interval Perforated | Plug Back TD | 1 | | | | | | | | |
| 4 872-874/834-836/818-820/811-813 300gd 15%HCLwt 29 bbts 2%ket water, 541bbts water wt 2% KCL, Bloode, 105009 30/70 cand 572-674/834-836 4 655-657/583-585/546-548/551-553/518-520 400gd 15%HCLwt 39 bbts 2%ket water, 541bbts water wt 2% KCL, Bloode, 105009 30/70 cand 5574/834-836 546-548 551-553/518-520 400gd 15%HCLwt 39 bbts 2%ket water, 540bbts water wt 2% KCL, Bloode, 105009 30/70 cand 555-657/583-585 4 431-435/412-416 TUBING RECORD Size Set At Packer At Liner Run Yes No Date of First, Resumerd Production, SWD or Enhr. Producing Method Flowing Pumping Gas Lift Other (Explain) Estimated Production Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity Omcf Obbls Disposition of Gas METHOD OF COMPLETION Production Interval | Chata Bas Fact | PERFORAT | ION RECORD - Bridg | ge Plugs Set/Type | | Acid, Fr | acture, Shot, Ceme | nt Squeeze Record | | |
| 4 655-657/583-585/546-548/551-553/518-520 400gat 15%HCL.wt 38 bbbs 2%kcd water, \$60bbbs water wt 2% KCL, Bloodes, 150008 50770 cand 655-657/583-585 4 431-435/412-416 300gat 15%HCLwt 38 bbbs 2%kcd water, \$60bbbs water wt 2% KCL, Bloodes, 150008 50770 cand 431-435/412-416 TUBING RECORD Size Set At Packer At Liner Run Yes No Date of First, Resumend Production, SWD or Enhr. 11/28/06 Flowing Pumping Gas Lift Other (Explain) Estimated Production Oil Bbbs. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity Omcf Obbls Disposition of Gas METHOD OF COMPLETION Production Interval Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled | Shots Fel Foot | | | | | | | | | |
| 4 655-657/583-585/546-548/551-553/518-520 546-548 551-553/518-520 4 431-435/412-416 TUBING RECORD Size Set At Packer At Liner Run Yes ✓ No Date of First, Resumerd Production, SWD or Enhr. 11/28/06 Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity Omcf Obbls Disposition of Gas METHOD OF COMPLETION Production Interval Vented ✓ Solid Used on Lease Open Hole ✓ Perf. Dually Comp. Commingled | 4 | 872-874/834-836/818-820/811-813 | | | | 300ga: 15%HCLw/ 29 t | obis 2%kol water, 541bbis water | r w/ 2% KCL, Blocide, 10500# 3 | | |
| 4 431-435/412-416 TUBING RECORD Size Set At Packer At Liner Run 2-3/8" 893.32 n/a Yes No Date of First, Resumerd Production, SWD or Enhr. 11/28/06 Estimated Production Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity n/a Omcf Obbls Disposition of Gas METHOD OF COMPLETION Production Interval Vented Substituted Substit (CO 18) 546-548 551-553/518-526 431-435/412-416 Tubing Record Liner Run Yes No 431-435/412-416 Flowing Per Pumping Gas Lift Other (Explain) Gravity Omcf Obbls Disposition of Gas METHOD OF COMPLETION Production Interval | · ·4 | 655-657/583-58 | 35/546-548/551-5 | | | 400ga! 15%HCLw/ 38 t | obis 2%kd water, 580bbls wate | r w/ 2% KCL, Blockle, 15000# 3 | | |
| TUBING RECORD Size 2-3/8" 893.32 N/a Date of First, Resumerd Production, SWD or Enhr. 11/28/06 Flowing Pumping Gas Lift Other (Explain) Estimated Production Per 24 Hours Omcf Disposition of Gas METHOD OF COMPLETION Production Production Interval Open Hole Perf. Dually Comp. Commingled | | * · · · · · · · · · · · · · · · · · · · | | | | | | 54 | 6-548 551-553/518-520 | |
| 2-3/8" Date of First, Resumerd Production, SWD or Enhr. 11/28/06 Estimated Production Per 24 Hours Disposition of Gas METHOD OF COMPLETION Producing Method Flowing Producing Method Flowing Producing Method Flowing Pumping Gas Lift Other (Explain) Gravity Obbls Production Interval Production Interval Open Hole Perf. Dually Comp. Commingled | 4 | 431-435/412-41 | 6 | | | 300gal 15%HCLw/ 38 t | obis 2%kd water, 520bbis wats | r w/ 2% KCL, Blocide, 13000# 3 | 10/70 sand 431-435/412-416 | |
| Date of First, Resumerd Production, SWD or Enhr. 11/28/06 Producing Method Flowing Pumping Gas Lift Other (Explain) | | | | | | Liner Run | Vac 7 N | lo. | | |
| 11/28/06 Estimated Production Per 24 Hours Disposition of Gas METHOD OF COMPLETION Disposition of Gas METHOD OF COMPLETION Production Interval Open Hole Perf. Dually Comp. Commingled (If yested Submit 400 18) | | · · · · · · · · · · · · · · · · · · · | | | · · · · · · · · · · · · · · · · · · · | | | · | | |
| Per 24 Hours n/a Omcf Obbls Disposition of Gas METHOD OF COMPLETION Production Interval Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled | ! | a Franction, SWD of | Enin. Ploducii | ig Meditud | Flowing | j √ Pum | ping Gas L | _ift Other | (Explain) | |
| Disposition of Gas METHOD OF COMPLETION Production Interval ☐ Vented | | | | Mcf | | | Bbls. | Gas-Oil Ratio | Gravity | |
| Vented ✓ Sold Used on Lease Open Hole ✓ Perf. Dually Comp. Commingled | Disposition of Gas | | | | | | erval | | | |
| | Vented ✓ Sold | Used on Lease | Open | | | | - | | | |



Blue Ribbon Drilling LLC

PO Box 279 Dewey, OK 74029

Operator: Quest Cherokee LLC

Desc. Sw Se

Sec 20Twp 31S Rge 19E

County Labette State Kansas

Com: 8-7-06 Cease Drilling: 8-8-06 Casing: 8 5/8" at 23' cemented w/ 10 sacks

Rotary T. D. 968

API# 15-009-24017-0000

Lease/ Well McClanahan, James N.

Elevation: 950

| Тор | Bottom | Formation | Тор | Bottom | Formation |
|-----|--------|-------------------------------------|-------|--------|--|
| | | | | | |
| 0 | 2 | top soil | 573 | 583 | sandstone |
| 2 | 30 | shale w/ sandstone streaks | 583 | 586 | coal 2 1/2' |
| 30 | 55 | limestone | 586 | 591 | sandy shale |
| 55 | 82 | shale w/ limestone interbedded | 591 | 595 | shale w/ limestone interbedded |
| 82 | 90 | limestone | 595 | 596 | coal 1' |
| 90 | 170 | shale w/ limestone interbedded | 596 | 610 | sandy shale |
| 170 | 198 | shale w/ limestone streaks | 610 | 627 | shale w/ sandstone interbedded |
| 198 | 210 | sandstone | 627 | 656 | shale w/ limestone interbedded |
| 210 | 235 | sandy shale | 656 | 658 | coal 2' |
| 235 | 250 | sandstone | 658 | 677 | sdy shale w/ shale mixed |
| 250 | 261 | med.shale w/ interbedded sandstone | 677 | 687 | shale w/ limestone interbedded |
| 261 | 308 | red shale | 687 | 688 | coal 1' |
| 308 | 309 | black shale | 688 | 699 | shale w/ sandstone interbedded |
| 309 | 314 | limestone | 699 | 701 | coal 1 1/2' |
| 314 | 325 | sandstone | 701 | 716 | sandstone |
| 325 | 327 | limestone | 716 | 727 | sandy shale |
| 327 | 371 | shale w/ limestone Interbedded | 727 | 792 | shale w/ limestone interbedded |
| 371 | 373 | limestone | 792 | 794 | coal 1 1/2' |
| 373 | 389 | shale w/ limestone interbedded | 794 | 810 | shaly sandstone |
| 389 | 390 | limestone | 810 | 813 | coal 2 1/2' |
| 390 | 392 | shafe | 813 | 831 | shale w/ Ilmestone interbedded |
| 392 | 411 | " Wet " limestone | 831 | 832 | coal 1" |
| 411 | 417 | black shale | 832 | 872 | limy sandstone |
| 417 | 420 | shale w/ limestone interbedded | 872 | · 875 | coal 3' |
| 420 | 431 | Ilmestone | 875 | 877 | shale w/ limestone interbedded |
| 431 | 435 | black shale | 877 | 925 | chert & limestone |
| 435 | 441 | limestone | 925 | 968 | tan limestone |
| 441 | 447 | sandy shale | 968 | | TOTAL DEPTH |
| 447 | 465 | shaly sandstone | | | |
| 465 | 520 | med. Shale w/ limestone interbedded | | | RECEIVED RECTION COMMISSION KANSAS CORPORTION COMMISSION |
| 520 | 522 | coal 1 1/2' | | | CANGAS CORPORTION COMMISSION |
| 522 | 531 | sandy shale | | | n anna |
| 531 | 543 | shale w/ sandstone streaks | | | JAN 0 2008 |
| 543 | 551 | shale w/ limestone Interbedded | · / - | , | ATION DIVISION |
| 551 | 553 | coal 1 1/2' | | | CONSERVATION, KS |
| 553 | 554 | limestone | | | |
| 554 | 573, | sdy shale w/ limestone interbedded | | | |



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

TICKET NUMBER 1748

FIELD TICKET REF #

FOREMAN Jue /crais

TREATMENT REPORT & FIELD TICKET CEMENT

| DATE | * | · WE | LL NAME & NUMBER | | SECTION | TOWNSHIP | RANGE | COUNTY | |
|------------------------|-----------------------|----------------------|-------------------------------------|---|-----------------------|--|------------------|-----------------------|--|
| 8-14-06 | McClanahan James 20-1 | | | | 1 20 | 31 | 19 | トろ | |
| FOREMAN / | TIME | TIME | | TRUCK # | TRAILER # | TRUC HOUF | | EMPLOYEE SIGNATURE | |
| OPERATOR | | 5:1/5 | | | # | 3.50 | 5 74 | e Behali | |
| craig.c | 2:15 | 5:45 | | 903427 | | 3.50 |) (| Cle cole | |
| wes. T | | 5:0€ | | 903197 | | 2.75 | 5 /see | = 411 | |
| MANERICICIE | > | 4:3 | | 0 225 | | | | | |
| DAVID-C | | 5: 1 | 5 | 903140 | 932452 | 3'0 | o /h | WH COD | |
| Tray - W | | 5:30 | 9 | 933615 | | 3:2 | 5 11 | my late | |
| | | 5:00 | 1 | extra | (| 1 2.7 | 5 / 1/2 | 7/19 | |
| JOB TYPE Longs | 4ring HOLES | SIZE <u></u> | <i>3/2/</i> H | OLE DEPTH9 | <u>ර රි</u> CASI | NG SIZE & W | /EIGHT <u>~~</u> | 12 10.5 | |
| CASING DEPTH 96 | 61.30 DRILL F | PIPE | τι | JBING | OTHE | ER | | | |
| SLURRY WEIGHT | 145 SLURR | Y VOL | w | ATER gal/sk | CEMI | ENT LEFT in | CASING 6 | | |
| DISPLACEMENT 1 | | | | | | | | · · | |
| REMARKS: | | | · · · · · · · · · · · · · · · · · · | | | | 1 | | |
| RALL 25KS | L aL | /a h ! | | 115 SXS | at Comm | .+ +. | - A du | a de | |
| RAN 25KS Surface. F | go | 20 01 | 01 0014 | ,)) | 11 - 4 | - 1 - | 38 1 C 4 | 9 10 | |
| surface. | 105h JUMP | . (01 | np wiper | 710g 70 k | nother T | <u> 524 F1(</u> | JOT 5 11 6 | <u> </u> | |
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| | 961. | 30 | F+ 41/2 | Casing | | | | | |
| | | 5 | Centraliza | · 17 (| • | | | | |
| 931310 | 1. | 25 hr | Cosing: | tractor | | | | | |
| 807253 | 1.2 | 5 hr | Casing + | | | | | | |
| ACCOUNT CODE | QUANTITY or U | INITS | | DESCRIPTION OF SE | RVICES OR PRODUC | | | TOTAL AMOUNT | |
| | 0 | <u> </u> | Foreman Pickup | | | | | AMOUNT | |
| 9034127 | <u>3. 50</u> | 3 h. | Cement Pump Truck | | | · · | | | |
| 903197 | 2.75 | | Bulk Truck | | | | | | |
| 1104 | | hr) Sk | Portland Cement | | | - 11 | | | |
| 1124 | 110 | | 50/50 POZ Blend Co | ment B.C. | | | | | |
| 1126 | | <u> </u> | -OWC - Blend Comen | 121912 | 3/5 4 3" | | | | |
| 1110 | / | 5 | Gilsonite | 41/2 | per Mus | | | | |
| 1107 | | <u>) sk</u> / sk | Flo-Seal | | | | | | |
| | ~ | $\frac{2}{2} \leq v$ | Premium Gel | | | RECEIVE | ED CONTRACTO | NI | |
| 1215A | Inal | - 3 K | KCL | | | | COMMISSION | | |
| 1111B | 1.10.1 | 2 5K | | Ichloride | | DEC 087 | 2006 | THE STREET | |
| 1123 | 70000 | • | City Water | CICKNORICIT | | | 1 5 28 7 6 7 4 | - 12 Mar 11 | |
| 903140 | 2.75 | , | Transport Truck | | | INCHITATION I | | | |
| 932452 | 2. 75 | hr. | .Transport Trailer | | | THE PARTY OF THE P | | | |
| 93/6/5 | 3.25 | h/, | 80 Vac | | | | | .1 | |
| Ravin 4513 | , | - | 1,11, 51 | 1.1 | | | | اداق مورو | |
| Į | / . | į | 41/2 Float | rspal . | Control of the second | | 1 | الانكاب ويعوان وهيا | |