

Kansas Corporation Commission
Oil & Gas Conservation Division

1084874

Form ACO-4 Form must be typed March 2009

APPLICATION FOR COMMINGLING OF Commingling ID # CO071204 PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

| OPERATOR: License # 33343 | API No. 15 - 15-133-26470-00-00 |
|--|---|
| Name: PostRock Midcontinent Production LLC | Spot Description: |
| Address 1: Oklahoma Tower | NW_SE_NE SE Sec. 24 Twp. 28 S. R. 18 ☐ East ☐ West |
| Address 2: 210 Park Ave, Ste 2750 | |
| City: OKLAHOMA CITY State: OK Zip: 73102 + | |
| Contact Person: CLARK EDWARDS | County: Neosho |
| Phone: (600) 432-4200 | Lease Name: KING REX Well #: 24-1 |
| / Hole. (/ | Lease Name Well # |
| Name and upper and lower limit of each production interval to | be commingled: |
| Formation: RIVERTON | (Perfs): 935-939 |
| Formation: UPPER RIVERTON | (Perfs): 888-889 |
| Formation: ROWE | (Perfs): 879-881 |
| Formation: WEIR | 770 772 |
| TERA | 724_726 |
| Formation: TLDO | (Perfs): 124-120 |
| Estimated amount of fluid production to be commingled from e | each interval: |
| Formation: RIVERTON | BOPD: 0 MCFPD: 5.2 BWPD: .8 |
| Formation: UPPER RIVERTON | BOPD: 0 MCFPD: 5.2 BWPD: .8 |
| Formation: ROWE | BOPD: 0 MCFPD: 5.2 BWPD: .8 |
| Formation: WEIR | BOPD: 0 MCFPD: 5.2 BWPD: .8 |
| Formation: TEBO | BOPD: 0 MCFPD: 5.8 BWPD: .8 |
| Formation: 1233 | BOPD: MCFPD: BWPD: |
| Plat map showing the location of the subject well, all other well the subject well, and for each well the names and addresses of Signed certificate showing service of the application and affida | · |
| For Commingling of PRODUCTION ONLY, include the following: | |
| 5. Wireline log of subject well. Previously Filed with ACO-1: | Yes □ No |
| 6. Complete Form ACO-1 (Well Completion form) for the subject | — |
| | |
| For Commingling of FLUIDS ONLY, include the following: | |
| 7. Well construction diagram of subject well. | |
| Any available water chemistry data demonstrating the compati | ibility of the fluids to be commingled. |
| • | |
| AFFIDAVIT: I am the affiant and hereby certify that to the best of my current information, knowledge and personal belief, this request for commingling is true and proper and I have no information or knowledge, which is inconsistent with the information supplied in this application. | Submitted Electronically |
| KCC Office Use Only | Protests may be filed by any party having a valid interest in the application. Protests must be |
| ☐ Denied | in writing and comply with K.A.R. 82-3-135b and must be filed wihin 15 days of publication of the notice of application. |
| 15-Day Periods Ends: 7/10/2012 | |
| Approved By: Rick Hestermann Date: 07/10/2012 | |
| Approved by Date | |

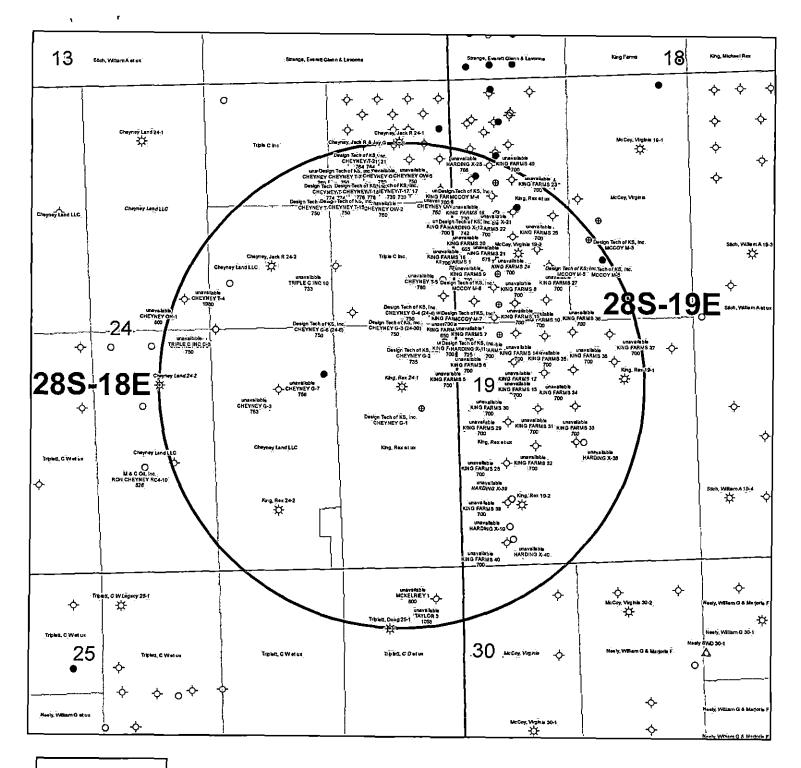


Wellbore Schematic

WELL: King, Rex 24-1

SSI: 609370

| | SSI: 609370 | (8 B — 94879 |
|--------------|--|---|
| | API: 15-133-26470 | TOC - Surface |
| | LOCATION: NE SE Sec. 24 28S-18E | g Si Ioc - Surface |
| | COUNTY: Neosho | |
| | STATE: Kansas | |
| | | |
| | 8.625" @ 22' | 14 14 14 14 14 14 14 14 |
| Casing | 4.5" 10.5# J-55, 4.05" lD w/ 0.0159 bbl/ft | |
| asi | capacity @ 1049' | |
| ١٩ | capacity @ 1045 | |
| \vdash | Orignial Perfs: 2/6/06 | 8.625" @ 22' |
| 1 | - Riverton 935-939' (17) | <u>\ \ \ \ \ \ \ \ \ \ \ \ \ \</u> |
| 1 | - U. Riverton 888-889' (5) | |
| 1 | - Rowe 879-881' (9) | A S |
| 2 | • • | |
| ₽ | - Weir 770-772' (9) | |
| 18 | - Tebo 724-726' (9) | |
| Perforations | - Fleming 694-696' (9) | |
| ~ | - Fleming 667-669' (9) | |
| 1 | - Croweburg 630-633' (13) | |
| 1 | - Bevier 604-606' (9) | |
| 1 | - Mulky 526-530' (17) | |
| | Spud Date: 1/23/06 | |
| | opuu 50:0: 1, 25, 65 | |
| | RUV Completion: 2/6/06 | |
| | - 450 gals 15% HCl | |
| | - 16.4 BPM | |
| | | |
| 1 | - 10,700# 20/40 | <u> </u> |
| | - 500 bbls | |
| | | \$ 3 7 3 |
| | BCFTW Completion: 2/6/06 | |
| ν | - 550 gals 15% HCl | |
| <u>:</u> | - 16.5 BPM | |
| <u>#</u> | - 16,000# 20/40 | |
| Completions | - 662 bbls | |
| 8 | | 125 |
| | SM Completion: 2/6/06 | l Saft Tig |
| | - 400 gais 15% HCl | |
| | - 16.5 BPM | <u> </u> |
| 1 | - 8,000# 20/40 | |
| | - 592 bbls | |
| | | |
| | | 4.5" 10.5# @ 1049' |
| | | 138 sks cement |
| | | CIRE CO |
| | | TD - 1055' |
| L | | |



KGS STATUS

- ♦ DA/PA
- ⊕ EOR
- ☆ GAS
- △ INJ/SWD
- OIL
- * OIL/GAS
- o OTHER

King, Rex 24-1 24-28S-18E 1" = 1,000'

BEFORE THE STATE CORPO-RATION COMMISSION OF THE STATE OF KANSAS NOTICE OF FILING APPLICATION

RE: In the Matter of Poetrock Midcontinent Production, LLC Application for Commingling of Production in the King, Rex 24-1 located in Neosho County, Kansas.

TO: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners, and all persons whomever concerned.

You, and each of you, are hereby notified that Postrock Midconfinent Production, LLC has filed an application to commingle the Riverton, Upper Riverton, Rowe, Welr, Tebo, Floming, Croweburg, Bevler, Mulky and Stray Sand producing formations at the King, Rex 24-1, located in the NW SE NE SE, 524-1728-R18E, Approximately 1977 FSL & 602 FEL, Neoshe County, Kansas.

Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Origoration Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly. All person and/or companies wishing to protest this application are required to file a written protest with the Conservation Division of the Kansas Oil and Gas Commission.

Upon the receipt of any protest, the Commission will convene a hearing and protestents will be expected to enter an appearance either through proper legal counsel or as individuals, appearing on their own behalf.

Postrock Midcontinent Production, LLC 210 Park Avenue, Suite 2750 Oklahoma City, Oklahoma 73102 (405) 650-7704

A COPY OF THE AFFIDAVIT OF PUBLICATION MUST ACCOM-PANY ALL APPLICATIONS

№ Affidavit of Publication **⋄**

STATE OF KANSAS, NEOSHO COUNTY, ss: Rhonda Howerter, being first duly sworn, deposes and says: That she is Classified Manager of THE CHANUTE TRIBUNE, a daily newspaper printed in the State of Kansas, and published in and of general circulation in Neosho County, Kansas, with a general paid circulation on a daily basis in Neosho County, Kansas, and that said newspaper is not a trade, religious or fraternal publication.

Said newspaper is a daily published at least weekly 50 times a year: has been so published continuously and uninterruptedly in said county and state for a period of more than five years prior to the first publication of said notice; and has been admitted at the post office of Chanute, in said county as second class matter.



Additional Copies\$_
Total Publication Fees\$

| | Α | В | С | D | Ē | F | G | н | J | J | К |
|---------------|---|------------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|-----------------------------|------------------------|------------------------------|-----------------|
| 1 | Produced Fluids # | | 1 | 2 | 3 | 4 | 5 | ., | | · · · | |
| 2 | Parameters | Units | Input | Input | Input | Input | Input | | Click he | re ' | Click |
| 3 | Select the brines | Select fluid | | \Box | | | | Mixed brine: | to run SS | | |
| - | Sample ID | by checking | | | | | | Cell H28 is | | | Click |
| - | Date Operator | the box(es), Row 3 | 3/19/2012 | 3/4/2012 | 3/14/2012 | 1/20/2012 | 1/20/2012 | STP calc. pH. | | - | 011-1- |
| | Well Name | NOW O | PostRock Ward Feed | PostRock Ward Feed | PostRock Clinesmith | PostRock Clinesmith | PostRock Clinesmith | Cells H35-38 are used in | Goal Seek | cen | Click |
| - | Location | | #34-1 | #4-1 | #5-4 | #1 | #2 | mixed brines | Goal Seek | 33P | Clink |
| 9 | Field | | CBM | CBM | Bartles | Bartles | Bartles | calculations. | | | Click |
| 10 | Na [*] | (mg/l)* | 19,433.00 | 27,381.00 | 26,534.00 | 25689.00 | 24220.00 | 24654.20 | Initial(BH) | Final(WH) | SL/SR |
| 11 | K* (if not known =0) | (mg/l) | | | | | | 0.00 | Saturation Index | values | (Final-Initial) |
| 12 | Mg ²⁺ | (mg/l) | 1,096.00 | 872.00 | 1,200,00 | 953.00 | 858.00 | 995.91 | Ca | lcite | 1 |
| 13 | Ca ²⁺ | (mg/l) | 1,836.00 | 2,452.00 | 2,044.00 | 1920.00 | 1948.00 | 2040.23 | -0.73 | -0,60 | 0.13 |
| | Sr ²⁺ | (mg/l) | | | | | | 0.00 | Ba | rite | 1 |
| 15 | Ba ²⁺ | (mg/l) | | | | | | 0.00 | | | |
| 16 | Fe ²⁺ | (mg/l) | 40.00 | 21.00 | 18,00 | 82.00 | 90.00 | 50,21 | Ha | alite | |
| 17 | Zn²+ | (mg/l) | | | | | | 0.00 | -1,77 | -1.80 | -0.03 |
| 18 | Pb ²⁺ | (mg/l) | | | | | | 0,00 | | psum | |
| | Cľ | (mg/l) | 36,299,00 | 48,965.00 | 47,874.00 | 45632.00 | 43147.00 | 44388,44 | -3.19 | -3.18 | 0.00 |
| | SO ₄ ² · | (mg/l) | 1.00 | 1,00 | 8.00 | 1.00 | 1.00 | 2.40 | | hydrate | 1 |
| - | F | (mg/l) | | | | | l | 0,00 | -3,96 | 3.90 | 0.06 |
| - | Br* | (mg/l) | | | | | | 0.00 | | ydrite | **** |
| | SiO2 | (mg/l) SiO2 | | * | | | <u> </u> | 0.00 | -3.47 | -3.36 | 0.12 |
| - | HCO3 Alkalinity** | (mg/l as HCO3) | 190.00 | 234.00 | 259.00 | 268.00 | 254.00 | 241.03 | | estite | 1 |
| $\overline{}$ | CO3 Alkalinity | (mg/l as CO3) | | | 227.30 | 200,30 | | 211.05 | - Ott | | 1 |
| 26 | Carboxylic acids** | (mg/l) | | | | | | 0.00 | Iron ! | Sulfide | 1 |
| 27 | Ammonia | (mg/L) NH3 | | | | | | 0.00 | -0.16 | -0.22 | -0.06 |
| 28 | Borate | (mg/L) H3BO3 | | | | | | 0.00 | Zine : | Sulfide | |
| 29 | TDS (Measured) | (mg/l) | | | | | | 72781 | | | |
| 30 | Calc. Density (STP) | (g/ml) | 1.038 | 1.051 | 1.050 | 1.048 | 1.045 | 1,047 | Calcium | ı fluoride | |
| | CO ₂ Gas Analysis | (%) | 19.97 | 18.76 | 22.41 | 35.53 | 33.79 | 26.16 | | | |
| _ | H₂S Gas Analysis*** | (%) | 0.0289 | 0.0292 | 0.0296 | 0.0306 | 0.0151 | 0.0269 | | arbonate | 1 |
| | Total H2Saq | (mgH2S/I) | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.90 | -0.74 | -0.51 | 0.23 |
| 34 | pH, measured (STP) | pH 0-CO2%+Aik, | 5.67 | 5.76 | 5.72 | 5.54 | 5.55 | 5.63 | | eeded (mg/L) | 4 |
| 1 1 | Choose one option | | | | | | | | Calcite | NTMP | |
| 35 | to calculate SI? | 2-CO2%+pH | 0 | 0 | 0 | 0 | 0 | | | | |
| | Gas/day(thousand cf/day) | (Mcf/D) | | | | | | 0 | 0,00 | 0.00 |] |
| | Oil/Day | (B/D) | 0 | 0 | 1 | 1 | 1 | 4 | Barite | ВНРМР | 4 |
| - | Water/Day For mixed brines, enter val | (B/D) | 100 | 100 | 40_1443) | 100 | 100 | 500 (Enter H40-H43) | 0.00 | 00,00 H | 4 |
| | Initial T | (F) | 66.0 | 71.0 | 70.0 | 41,0 | 49.0 | 60.0 | 5.69 | 5.60 | 1 |
| 41 | Final T | (F) | 66,0 | 71.0 | 70.0 | 41.0 | 49.0 | 89.0 | Viscosity (| CentiPoise) |] |
| 42 | Initial P | (psia) | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 1.196 | 0.826 | |
| | Final P | (psia) | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 120.0 | | ity (cal/ml/ ⁸ C) | |
| - | Use TP on Calcite sheet? API Oil Grav. | 1-Yes;0-No | | | | | | 20.00 | 0.955 | 0.959 | |
| | API Oil Grav. Gas Sp.Grav. | API grav. Sp.Grav. | | | | | - | 30.00 0.60 | Inhibitor no Gypsum | eeded (mg/L) HDTMP | -{ |
| _ | MeOH/Day | (B/D) | 0 | | | | | 0.00 | | 0.00 | - |
| 48 | MEG/Day | (B/D) | 0 | | | | | 0 | Anhydrite | HDTMP |] |
| - | Conc. Multiplier | | | | | | | | 0.00 | 0.00 | |
| | H* (Strong acid) * | (N) | | | | | ļ | | | | |
| | OH (Strong base) | (N) | | | <u> </u> | L | L | | | | |
| - | Quality Control Checks at H ₂ S Gas | STP: (%) | | | | | 1 | | | | |
| | Total H2Saq (STP) | (%) (mgH2S/l) | | | | | | | | | |
| 55 | pH Calculated | (pH) | | | | | <u> </u> | | | | |
| | PCO2 Calculated | (%) | | | | | | | | | |
| | Alkalinity Caclulated ECations= | (mg/l) as HCO3 (equiv./l) | | | | | | | | | |
| 59 | ΣAnions= | (equiv./l) | | | | | | | | | |
| | Cale TDS= | (mg/l) | | | | | | | | | |
| | Inhibitor Selection | Input | Unit | # | Inhibitor | | r (From metric | | | | |
| | Protection Time Have ScaleSoftPitzer | 120 | min | 1 2 | NTMP BHPMP | From Unit °C | Value 80 | To Unit °F | Value 176 | | |
| 64 | pick inhibitor for you? | , | 1-Yes;0-No | 3 | PAA | m³ | 80 100 | u3 | 3,531 | | |
| 65 | pick inhibitor for you? If No, inhibitor # is: | 1 4 | 1-Yes;0-No # | 4 | DTPMP | m m³ | 100 | lt bbl(42 US gal) | 3,531 629 | | |
| | If you select Mixed, | * | # | 5 | PPCA | m MPa | 1,000 | psia | 145,074 | | |
| 67 | 1 st inhibitor # is: | 1 | # | 6 | SPA | Bar | 496 | psia | 7,194 | | |
| 68 | % of 1" inhibitor is: | 50 | % | 7 | HEDP | Torr | 10,000 | psia | 193 | | |
| 69 | 2 nd inhibitor # is: | 2 | # | 8 | HDTMP | Gal | 10,000 | bbl(42 US gal) | 238 | | |
| | Display act, coefs? | 0 | I-Yes;0-No | 9 | Average | Liters | 10,000 | bbl(42 US gal) | 63 | | |
| 71 | | | | 10 | Mixed | | | | | | |
| | | | | | | | | | | | |

Saturation Index Calculations

Champion Technologies, Inc. (Based on the Tomson-Oddo Model)

Brine 1: Ward Feed Yard 34-1
Brine 2: Ward Feed Yard 4-1
Brine 3: Clinesmith 5-4
Brine 4: Clinesmith 1

Brine 5: Clinesmith 2

| | | | Ratio | - | - | |
|--------------------------|---------|---------|---------|---------|---------|-------------|
| ļ | 20% | 20% | 20% | 20% | 20 | j |
| Component (mg/L) | Brine 1 | Brine 2 | Brine 3 | Brine 4 | Brine 5 | Mixed Brine |
| Calcium | 1836 | 2452 | 2044 | 1920 | 1948 | 1952 |
| Magnesium | 1096 | 872 | 1200 | 953 | 858 | 865 |
| Barium | 0 | 0 | 0 | 0 | 0 | 0 |
| Strontium | 0 | 0 | 0 | 0 | 0 | 0 |
| Bicarbonate | 190 | 234 | 259 | 268 | 254 | 253 |
| Sulfate | 1 | 1 | 8 | 1 | 1 | 11 |
| Chloride | 36299 | 48965 | 47874 | 45632 | 43147 | 43206 |
| CO ₂ in Brine | 246 | 220 | 264 | 422 | 405 | 401 |
| Ionic Strength | 1.12 | 1.48 | 1.46 | 1.38 | 1.31 | 1.31 |
| Temperature (°F) | 89 | 89 | . 89 | 89 | 89. | 89 |
| Pressure (psia) | 50 | 50 | 120 | 120 | 120 | 119 |

Saturation Index

| Calcite | -1.71 | -1.41 | -1.48 | -1.68 | -1.69 | -1.69 |
|-------------|-------|-------|-------|-------|-------|-------|
| Gypsum | -3.71 | -3.64 | -2.82 | -3.73 | -3.72 | -3.69 |
| Hemihydrate | -3.70 | -3.65 | -2.83 | -3.74 | -3.71 | -3.69 |
| Anhydrite | -3.89 | -3.79 | -2.97 | -3.89 | -3.88 | -3.85 |
| Barite | N/A | N/A | N/A | N/A | N/A | N/A |
| Celestite | N/A | N/A | N/A | N/A | N/A | N/A |

PTB

| Calcite | N/A | N/A | N/A | N/A | N/A | N/A |
|-------------|-----|-----|-------|-----|-----|-----|
| Gypsum | N/A | N/A | N/A | N/A | N/A | N/A |
| Hemihydrate | N/A | N/A | N/A | N/A | N/A | N/A |
| Anhydrite | N/A | N/A | N/A | N/A | N/A | N/A |
| Barite | N/A | N/A | N/A . | N/A | N/A | N/A |
| Celestite | N/A | N/A | N/A | N/A | N/A | N/A |

KANSAS CORPORATION COMMISSION ORIGINAL September 1999 OIL & GAS CONSERVATION DIVISION ORIGINAL September 1999 Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

| Operator: License #_33344 | API No. 15 - 133-26470-00-00 |
|---|--|
| Name: Quest Cherokee, LLC | County: Neosho |
| Address: 211 W. 14th Street | neseSec24Twp28S. R18 |
| City/State/Zip: Chanute, KS 66720 | 1980 feet from (\$)/ N (circle one) Line of Section |
| Purchaser: Bluestern Pipeline, LLC | 660 feet from E/ W (circle one) Line of Section |
| Operator Contact Person; Gary Laswell | Footages Calculated from Nearest Outside Section Corner: |
| Phone: (620) 431-9500 | (circle one) NE (SE) NW SW |
| Contractor: Name: Well Refined Drilling Company, Inc. | Lease Name: King, Rex Well #: 24-1 |
| License: 33072 | Field Name: Cherokee Basin CBM |
| Wellsite Geologist | Producing Formation: multiple |
| Designate Type of Completion: | Elevation: Ground: 940 Kelly Bushing: n/a |
| ✓ New Well —— Re-Entry —— Workover | Total Depth: 1055 Plug Back Total Depth: 1047.88 |
| OilSIOWTemp. Abd. | Amount of Surface Pipe Set and Cemented at 22' 4" Fest |
| ✓ Gas ENHR SIGW | Multiple Stage Cementing Collar Used? ☐Yes ☑Yes |
| 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 1047.88 |
| Operator: | feet depth to_surfacew/_ 128sx cmt. |
| Well Name: | 100 doparto 3x one |
| Original Comp. Date: Original Total Depth: | Drilling Fluid Management Plan |
| Deepening Re-perf Conv. to Enhr./SWD | (Data must be collected from the Reserve Pit) |
| Plug Back Plug Back Total Depth | Chloride contentppm Fluid volumebbis |
| Commingled Docket No. | Dewatering method used |
| Dual Completion Docket No | Location of fluid disposal if hauled offsite: |
| Other (SWD or Enhr.?) Docket No | Operator Name; |
| | Lease Name: License No.: |
| 1/23/06 | Quarter Sec TwpS. R East West |
| Recompletion Date Recompletion Date | County; Docket No.: |
| | |
| Kansas 67202, within 120 days of the spud date, recompletion, worker 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. |
| All requirements of the statutes, rules and regulations promulgated to regulaterin are complete and correct to the best of my knowledge. | late the oil and gas industry have been fully complied with and the statements |
| Signature: 14 Januar | KCC Office Use ONLY |
| | |
| Title: Head of Operations Date: 5/22/05 | Letter of Confidentiality Received |
| Subscribed and sworn to before me this 22 nd day of | If Denied, Yes Date: |
| 20 Olo. | Wireline Log Received |
| Notary Public: Quantify R. Ammana | Geologist Report Received RECEIVED UIC Distribution RECEIVED COMMISSION |
| Date Commission Expires: Guly 30, 2009 | JENNIFER AMMANN MAY 2 3 2006 Notary Public-State of Kansas |
| | Appl. Expires 7-30-09 CONSERVATION DIVISION WICHITA, KS |

Side Two

| Operator Name: Qu | est Cherokee, LL | .C | | Leas | e Name: 1 | King, Rex | | _ Well #: _24-1 | <u> </u> | |
|---|---|---------------------------|---------------------------------------|------------------------|--|---------------------------------|---|---------------------------|--|-----------------|
| Sec. 24 Twp. 2 | | | t 🗌 West | Coun | ity: Neos | ho | | | —— | |
| INSTRUCTIONS: S tested, time tool ope temperature, fluid re- Electric Wireline Log | n and closed, flowin covery, and flow rate | g and shut s if gas to | l-in pressures, t surface test, a | whether : long with | shut-in pre | essure reached | static level, hydro | ostatic pressum | es, botto: | m hole |
| Drill Stem Tests Take | | □Y | es 🗸 No | | Sr | .og Format | ion (Top), Depth a | and Datum | | Sample |
| Samples Sent to Geological Survey | | es 🗹 No | | Nam See | e Attached | | Тор | 1 | Datum | |
| Cores Taken Electric Log Run (Submit Copy) | | □ Y | = | 06. | | | | | | |
| List All E. Logs Run: | : | | | | | | | | | |
| Comp. Density Dual Induction Gamma Ray 0 | log | | | | | | | | | |
| | | | CASING ort all strings set-c | | _ | ew Used | | - | | - |
| Purpose of String | Size Hole Drilled | St | ze Casing t (In O.D.) | W | eight s,/FL | Setting Depth | Type of Cement | # Sacks Used | Туре | and Percent |
| Surface | 12-1/4" | 8-5/8" | . (0.0.) | 20# | <u>.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u> | 22' 4" | "A" | 4 | | шинтоз |
| Production | 6-3/4" | 4-1/2" | | 10.5# | | 1047.88 | "A" | 128 | | |
| | | | | | | | | | | |
| | | | ADDITIONAL | CEMEN | TING / SQI | UEEZE RECOR | D | | | |
| Purpose: Perforate | Depth Top Bottom | Type of Cement | | #Sac | ks Used | Used Type and Percent Additives | | | : | |
| Protect Casing Plug Back TD Plug Off Zone | | | | | | | | | | |
| <u> </u> | | <u> </u> | • | <u> </u> | | | | | | |
| Shots Per Foot | PERFORAT Specify | ION RECOR | RD - Bridge Plug Each Interval Per | s Set/Typ forated |)e | | acture, Shot, Cemen Amount and Kind of M | | d | Depth |
| 4 | 935-939/888-88 | 9/879-88 | 1/770-772/72 | 24-726/ | 94-696 | 450pH 15% HCL =#441 | iik 74 min, 10016 sala | #/2% KCL Beckle 1070 | # 2040 and | 035-039/888-889 |
| 4 | 667-669/630-63 | 3/604-60 | 6/526-530/5 | 14-518 | | | | | | 879-881 |
| | | | | | · | 650gai 15% HCL w/431 | ith 7% kal water, 652bits water | ₩ 2% KCL, Blocke 1800 | # 2040 tand | 770-172/124-124 |
| | | | | | | | | 694-696/667 | -669 | 630-633/604-606 |
| | | | | | | 400par 16% HCz. w/ 481 | tidis 2% kal water, \$920de wele | r w/ 2% KCL, Biocide 6000 | # 2040 FEE | 526-530/514-518 |
| TUBING RECORD 2- | Size 3/8" | Set At 1017.98 | | Packei n/a | rAt | Liner Run | Yes 📝 No | • | | |
| Date of First, Resumer 3/29/06 | d Production, SWD or I | Enhr, | Producing Met | hod | ☐ Flowin | g 🕢 Pump | ing Gas Li | it Othe | er (Explain | |
| Estimated Production Per 24 Hours | on n/a | Bbls. | Gas 12.8mcf | Mcf | Wate 80.71 | | 3bls. (| Sas-Oil Ratio | | Gravity |
| Disposition of Gas | METHOD OF | COMPLETIC | L | | | Production Inte | erval | | | |
| ☐ Vented ☐ Sold (If vented, Se | Used on Lease ubmit ACO-18.) | | Open Hole | √ Pe | urt. 🔲 [| Dually Comp. | Commin ical | | TON COL | |
| | | | | | | | | MAY 2 | 3 2006 | , |

CONSERVATION DIVISION WIGHTIA, KS

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|--|--|--|--|--|--|--|--|--|
| Affidavit of Notice Served | | | | | | | | |
| Re: Application for: APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS - ACO-4 | | | | | | | | |
| Well Name: KING, REX 24-1 | Legal Location: NWSENESE S24-T28S-R18E | | | | | | | |
| The undersigned hereby certificates that he / she is a duly authorized agent for | the applicant, and that on the day 25TH of JUNE | | | | | | | |
| | ove was delivered or mailed to the following parties: | | | | | | | |
| Note: A copy of this effidavit must be served as a part of the application. | | | | | | | | |
| Name | Address (Allach additional sheets if necessary) | | | | | | | |
| • | | | | | | | | |
| POSTROCK MIDCONTINENT PRODUCTION, LLC 210 PARK AVENUE, SUITE 2750, OKLAHOMA CITY, OF | | | | | | | | |
| DESIGN TECH OF KS | 15803 WINDHAM DRIVE, LITTLE ROCK, AR 72206 | | | | | | | |
| M & C OIL, INC | P O BOX 427, INDIANOLA, NE 68034 | | | | | | | |
| JOSEPH W STICH & REBECKA SCHOENECKER-STICH | 8740 150TH ROAD, CHANUTE, KS 66720 | | | | | | | |
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| CH | IANITE TOIDINE | | | | | | | |
| I further attest that notice of the filing of this application was published in the CH of NEOSHO | | | | | | | | |
| of NEOSTIO col | unty. A copy of the affidavit of this publication is attached. | | | | | | | |
| Signed this 25TH day of JUNE 2012 | 2 | | | | | | | |
| | Aunity & Beal | | | | | | | |
| | lices for Duly Aythorized Agent | | | | | | | |
| DENISE V. VENNEMAN Subscribed and swom to before | ore me this 25TH day of JUNE , 2012 | | | | | | | |
| MY COMMISSION EXPIRES | Hense Menneman | | | | | | | |
| July 1, 2012 Nota | rry Public 7_1-17 | | | | | | | |
| My C | Commission Expires: | | | | | | | |
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KING, REX 24-1 - APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS Offset Operators, Unleased Mineral Owners and Landowners acreage (Atlach additional sheets if necessary) Name: Legal Description of Leasehold: JOSEPH W STICH & REBECKA SCHOENECKER-STICH E2SE S24-T28S-R18E (2.48 ACRES) SEE ATTACHED I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief. day of JUNE Subscribed and sworn before me this 25TH DENISE V. VENNEMAN MY COMMISSION EXPIRES July 1, 2012 My Commission Expires:

KING, REX 24-1
OFFSET OPERATORS, UNLEASED MINERAL OWNERS AND LANDOWNERS ACREAGE

| SPOT | LEGAL LOCATION | CURR_OPERA |
|-------------|----------------|-------------------------|
| NE NW SW NW | S19-T28S-R19E | Design Tech of KS, Inc. |
| NE NW NW SW | S19-T28S-R19E | Design Tech of KS, Inc. |
| NE NE NE SE | S24-T28S-R18E | Design Tech of KS, Inc. |
| NE SW SW NW | S19-T28S-R19E | Design Tech of KS, Inc. |
| SE SW SW NW | S19-T28S-R19E | Design Tech of KS, Inc. |
| S2 NE NE | S24-T28S-R18E | Design Tech of KS, Inc. |
| SW NE NE | S24-T28S-R18E | Design Tech of KS, Inc. |
| SW NW SE NW | S19-T28S-R19E | Design Tech of KS, Inc. |
| SE SW NW NW | S19-T28S-R19E | Design Tech of KS, Inc. |
| W2 SE NW | S19-T28S-R19E | Design Tech of KS, Inc. |
| NE NE | S24-T28S-R18E | Design Tech of KS, Inc. |
| | S24-T28S-R18E | Design Tech of KS, Inc. |
| W2 SE NW | S19-T28S-R19E | Design Tech of KS, Inc. |
| | S24-T28S-R18E | Design Tech of KS, Inc. |
| SE SW NE NE | S24-T28S-R18E | Design Tech of KS, Inc. |
| NE SW NE NE | S24-T28S-R18E | Design Tech of KS, Inc. |
| | S24-T28S-R18E | Design Tech of KS, Inc. |
| SE NE NE | S24-T28S-R18E | Design Tech of KS, Inc. |
| NW SE NE SE | S24-T28S-R18E | Design Tech of KS, Inc. |
| SW SW NE NE | S24-T28S-R18E | Design Tech of KS, Inc. |
| NE SE SW | S24-T28S-R18E | M & C Oil, Inc. |
| | | |

AFFIDAVIT

STATE OF KANSAS

SS.

County of Sedgwick

Mark Fletchall, of lawful age, being first duly sworn, deposeth and saith: That he is Record Clerk of The Wichita Eagle, a daily newspaper published in the City of Wichita, County of Sedgwick, State of Kansas, and having a general paid circulation on a daily basis in said County, which said newspaper has been continuously and uninterruptedly published in said County for more than one year prior to the first publication of the notice hereinafter mentioned, and which said newspaper has been entered as second class mail matter at the United States Post Office in Wichita, Kansas, and which said newspaper is not a trade, religious or fraternal publication and that a notice of a true copy is hereto attached was published in the regular and entire Morning issue of said The Wichita Eagle for 1 issues, that the first publication of said n1tice was

made as aforesaid on the 18th of

June A.D. 2012, with

subsequent publications being made on the following dates:

And affiant further says that he has personal knowledge of the statements above set forth and that they are true,

Fletchall

Subscribed and sworn to before me this

18th day of June, 2012

PENNY L. CASE Notary Public-My Appt. Expires

Notary Public Sedgwick County, Kansas

Printer's Fee : \$132.40

LEGAL PUBLICATION

PUBLISHED IN THE WICHTA EAGLE
JUNE 18, 2012 (319124)
BEFORE THE STATE CORPORATION
COMMISSION OF THE STATE
OF ANNAS
NOTICE OF FILING APPLICATION
RE: In the Mailor of Postrock Midcontinent
Production, LLC Application for
Comminging of Production in the King,
Rex 243-1 lected in Neesho County,
Kansas

Production, LLC Aspikellon for Comminsibility of Production in the King, Rex. 28.3 | Ideated in Neosha. Country of the Mineral Interest Owners, Landowners, and ell persons whomever concerned and ell persons with elevation. LLC has filed on application to comming the Riverton. Upper Riverfon, Rowe, Wolf, Tebb., Fieming, Croweburg, Bevier, Mulky and Stray Sand producing furmetions at the King, Rex 24-1, located in the NW SE NE SE, 274-1285-RIBE, Approximately, 1977-FSL & 602 FEL, Neosho County, Kanass.

Any persons who object to of protest this application shall be required to fie their oblicitions or protest with the Conservation Division of the State Corporation Commission of the State of Kanass within fileen (15) days, from the date of this publication. These, protests shall be filed pursuant for commission regulations and must state sectific reasons why granting the application. These, protests shall be filed pursuant for commission regulations and must state of Kanass.

All persons interested or concerned shall solvern themselves accordingly. All person and/or companies wishing to protest this application are realized to a will be protest this in policy the new file of the Kanass Oil and Gas Commission.

Upon the receipt of any protest this in page and for commission will convene a hearing end protest with the Conservation Division of the Kanass Oil and Gas Commission.

Upon the receipt of any expected to enter, an appearance either through procest the speciation of any cause of any hearing end protest with the Conservation Division of the Kanass Oil and Gas Commission.

Upon the receipt of any expected to enter, an appearance either through procest in helicown beating of any Ottahama 73102 (405) 60-7704

(405) 660-7704

| 1 NAME & U | JPPER & LOWER LIMIT OF EA | CH PRODUCTION INTERVAL TO BE | COMMING | LED | | | |
|------------|---------------------------|------------------------------|-----------|--------|--------|-------|------|
| FORMATION | ON: FLEMING | (PERFS): | 694 - | 696 | | | |
| FORMATION | ON: FLEMING | (PERFS): | 667 - | 669 | _ | | |
| FORMATION | ON: CROWEBURG | (PERFS): | 630 - | 633 | | | |
| FORMATION | ON: BEVIER | (PERFS): | 604 - | 606 | | | |
| FORMATION | ON: MULKY | (PERFS): | 526 - | 530 | _ | | |
| FORMATION | ON: STRAY SAND | (PERFS): | 705 - | 710 | _ | | |
| FORMATION | ON: STRAY SAND | (PERFS): | 714 - | 718 | _ | | |
| FORMATION | ON: | (PERFS): | | | _ | | |
| FORMATION | ON: | (PERFS): | | | _ | | |
| FORMATION | ON: | (PERFS): | | | _ _ | | |
| FORMATION | ON: | (PERFS): | | | _ | | |
| FORMATION | ON: | (PERFS): | | | _ | | |
| 2 ESTIMATE | D AMOUNT OF FLUID PRODI | UCTION TO BE COMMINGLED FROM | TEACH INT | ERVAL | | | |
| FORMATION | ON: FLEMING | BOPD: | 0 | MCFPD: | 5.2 | BWPD: | 0.8_ |
| FORMATION | ON: FLEMING | BOPD: | 0 | MCFPD: | 5.2 | BWPD: | 0.8 |
| FORMATION | ON: CROWEBURG | BOPD: | 0 | MCFPD: | 5.2 | BWPD: | 0.8 |
| FORMATION | ON: BEVIER | BOPD: | 0 | MCFPD: | 5.2 | BWPD: | 0.8 |
| FORMATION | ON: MULKY | BOPD: | 0 | MCFPD: | 5.2 | BWPD: | 0.8 |
| FORMATION | ON: STRAY SAND | BOPD: | 1.5 | MCFPD: | 0 | BWPD: | 10 |
| FORMATION | ON: STRAY SAND | BOPD: | 1.5 | MCFPD: | 0 | BWPD: | 10 |
| FORMATION | ON: | BOPD: | | MCFPD: | | BWPD: | |
| FORMATION | ON: | BOPD: | | MCFPD: | | BWPD: | |
| FORMATION | ON: | BOPD: | | MCFPD: | | BWPD: | |
| FORMATION | ON: | BOPD: | | MCFPD: | | BWPD: | |
| FORMATION | ON: | BOPD: | | MCFPD: | | BWPD: | |
| | | | | | | | |

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner

July 10, 2012

Clark Edwards
PostRock Midcontinent Production LLC
Oklahoma Tower
210 Park Ave, Ste 2750
Oklahoma City, OK 73102

RE:

Approved Commingling CO071204

King Rex 24-1, Sec.24-T28S-R18E, Neosho County

API No. 15-133-26470-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on July 2, 2012, has been reviewed and approved by the Kansas Corporation Commission (KCC) per K.A.R. 82-3-123. Notice was examined and found to be proper per K.A.R. 82-3-135a. No protest had been filed within the 15-day protest period.

Based upon the depth of the Riverton formation perforations, total oil production shall not exceed 100 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

File form ACO-1 upon completion of the well to commingle.

Commingling ID number CO071204 has been assigned to this approved application. Use this number for well completion reports (ACO-1) and other correspondence that may concern this approved commingling.

Sincerely,

Rick Hestermann Production Department