# KANSAS CORPORATION COMMISSION RIGHT September 1999 OIL & GAS CONSERVATION DIVISION RIGHT REPORT REPORT ACC-1 September 1999 Form Must Be Typed

#### WELL COMPLETION FORM

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### WELL CONTINUED TO THE PROPERTY OF WELL & LEASE

| Operator: License # 33344                                                                                                                                                                                                                                                                          | API.No. 15 - 099-24012-00-00                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Name: Quest Cherokee, LLC                                                                                                                                                                                                                                                                          | County Labette                                                                                |
| Address: 211 W. 14th Street                                                                                                                                                                                                                                                                        | County:ne - nw Sec. 7 Twp. 31 S. R. 19 Fast West                                              |
| City/State/Zip: Chanute, KS 66720                                                                                                                                                                                                                                                                  |                                                                                               |
| Purchaser: Bluestem Pipeline, LLC                                                                                                                                                                                                                                                                  | 1000 teet from S / N (circle one) Line of Section                                             |
| Operator Contact Person: Jennifer R. Ammann                                                                                                                                                                                                                                                        | TOOL HOME LE TOTAL CONTROL OF COULDING                                                        |
| Phone: (620 ) 431-9500                                                                                                                                                                                                                                                                             | Footages Calculated from Nearest Outside Section Corner:                                      |
| Contractor: Name: Show Me Drilling                                                                                                                                                                                                                                                                 | (circle one) NE SE NW SW  Lease Name: Kezar, Robyn A. Well #: 7-1                             |
| License: 33746                                                                                                                                                                                                                                                                                     | Field Name: Cherokee Basin CBM                                                                |
| Wellsite Geologist: Ken Recoy                                                                                                                                                                                                                                                                      | Producing Formation: Multiple                                                                 |
| -                                                                                                                                                                                                                                                                                                  | Elevation: Ground: 935 Kelly Bushing: n/a                                                     |
| Designate Type of Completion:                                                                                                                                                                                                                                                                      | Total Depth: 1010 Plug Back Total Depth: 1006.85                                              |
| New Well Re-Entry Workover                                                                                                                                                                                                                                                                         |                                                                                               |
| 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 1006.85                                    |
| Operator:                                                                                                                                                                                                                                                                                          | feet depth to surface w/ 110 sx cmt.                                                          |
| Well Name:                                                                                                                                                                                                                                                                                         | Drilling Fluid Management Plan                                                                |
| Original Comp. Date: Original Total Depth:                                                                                                                                                                                                                                                         | Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)  UH II KJR 3/1/1 |
| 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                                                                                                                                                                                                                                                                          |                                                                                               |
| Other (SWD or Enhr.?) Docket No.                                                                                                                                                                                                                                                                   | Operator Name:                                                                                |
| 8/4/06 9/6/06 9/15/06  Spud Date or Recompletion Date  Date Reached TD Completion Date or Recompletion Date                                                                                                                                                                                        | Lease Name: License No.:  Quarter Sec. Twp. S. R. East West  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 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 regulaterin are complete and correct to the best of my knowledge.                                                                                                                                                           | slate the oil and gas industry have been fully complied with and the statements               |
| Signature: Remarks K. Annua                                                                                                                                                                                                                                                                        | KCC Office Use ONLY                                                                           |
| Now Well Revelopment Coordinates 12/6/06                                                                                                                                                                                                                                                           |                                                                                               |
| 14h                                                                                                                                                                                                                                                                                                | Letter of Confidentiality Received                                                            |
| Subscribed and sworn to before me this                                                                                                                                                                                                                                                             |                                                                                               |
| 20_OLo.                                                                                                                                                                                                                                                                                            | Wireline Log Received                                                                         |
| Notary Public: Dova Slauman                                                                                                                                                                                                                                                                        | Geologist Report HACANSAS CORPORATION COMMISSION                                              |
| Date Commission Expires: 8-4-2010                                                                                                                                                                                                                                                                  | DEC 0 8 2006                                                                                  |
| Date Commission Expires: 0. 4- 010                                                                                                                                                                                                                                                                 | DOA KLAUSTAN                                                                                  |
| Notary                                                                                                                                                                                                                                                                                             | Public - State of Kansas res S-U-2010  CONSERVATION DIVISION WICHITA, KS                      |

My Appt. Expires 8-4-2010

| Operator Name: Qu                                                                              | est Chero                                 | kee, LL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | С                                      |                                                  | Leas         | se Name:                                  | Kezar, Roby                  | n A.                                                                | Well #: 7-1                 | •                                  | <u> </u>                               |
|------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------|--------------|-------------------------------------------|------------------------------|---------------------------------------------------------------------|-----------------------------|------------------------------------|----------------------------------------|
| Sec. 7. Twp. =                                                                                 | 31 S. R                                   | 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ✓ East                                 |                                                  |              |                                           |                              |                                                                     |                             |                                    | *                                      |
| INSTRUCTIONS: Stested, time tool operature, fluid re                                           | how import<br>on and close<br>covery, and | ant tops and tops are tops and tops and tops and tops and tops and tops and tops are tops and tops and tops and tops and tops are tops and tops and tops are tops and tops and tops are tops are tops and tops are | and base of<br>and shut<br>s if gas to | f formations p<br>in pressures,<br>surface test, | whether      | I. Detail a<br>shut-in pro                | ll cores. Repo               | ort all final copies<br>d static level, hydr<br>extra sheet if more | of drill stems te           | sts givin<br>es, botto<br>d: Attac | m hole                                 |
| Drill Stem Tests Tak                                                                           | en <sub>: y</sub> ar.                     | 4 .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ye                                     |                                                  |              | <b>V</b> ✓ L                              |                              | ition (Top), Depth-                                                 | and Datum                   | –                                  | Sample                                 |
| Samples Sent to Ge<br>Cores Taken<br>Electric Log Run<br>(Submit Copy)<br>List All E. Logs Run |                                           | rvey .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ☐ Ye                                   | es 🗸 No                                          |              | See                                       | e<br>attached                |                                                                     | Тор                         | * .                                | Datum                                  |
| Gamma Ray                                                                                      |                                           | Log                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ·                                      | CASING                                           | RECORD       | ) N                                       | ew Used                      |                                                                     |                             | ·. ,                               | ************************************** |
|                                                                                                |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | T                                      | t all strings set-                               | conductor,   | surface, int                              | ermediate, produ             |                                                                     |                             |                                    |                                        |
| Purpose of String                                                                              |                                           | e Hole<br>rilled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        | e Casing<br>(In O.D.)                            |              | eight<br>s. / Ft.                         | Setting<br>Depth             | Type of<br>Cement                                                   | # Sacks<br>Used             |                                    | and Percent<br>Additives               |
| Surface                                                                                        | 12-1/4                                    | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8-5/8"                                 |                                                  | 20           |                                           | 23                           | "A"                                                                 | 4                           |                                    | -                                      |
| Production                                                                                     | 6-3/4                                     | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4-1/2                                  |                                                  | 10.5         |                                           | 1006.85                      | "A"                                                                 | 110                         |                                    | ·                                      |
|                                                                                                |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        | ADDITIONAL                                       | CEMEN        | TING / SO                                 | JEEZE RECO                   | RD.                                                                 |                             |                                    |                                        |
| Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone                                  | Тор                                       | Pepth<br>Bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Туре                                   | of Cement                                        |              | ks Used                                   |                              | 144.                                                                | Percent Additives           |                                    |                                        |
| Shots Per Foot                                                                                 | P                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        | ID - Bridge Plu<br>Each Interval Pe              |              | De                                        |                              | racture, Shot, Ceme                                                 |                             | d                                  | Depth                                  |
| 4                                                                                              | 891-893                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1/833-83                               |                                                  |              |                                           | 300gal 15%HCLw/ 23           | bbis 2%kd water, 541bbis wat                                        | er w/ 2% KCL, Blocide, 9000 | # 30/70 <sub>,</sub> sand          | 891-893/839-841                        |
| 4                                                                                              | 690-692                                   | /609-61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1/577-58                               | 0/553-555                                        |              |                                           | 400gal 15%HCLw/ 52           | bbis 2%kci water, 653bbis wate                                      | or w/ 2% KCL, Blockie, 1300 | n# 30/70 send                      | 833-835<br>690-692/609-611             |
| 4                                                                                              | 460-464                                   | 1445-44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u> </u>                               |                                                  |              |                                           | 300gal 15%HCLw/ 41           | bbts 2%kcl water, 501bbts water                                     | or w/ 2% KCL, Blockle, 1300 | # 30/70 sand                       | 577-580/553-555<br>460-464/445-449     |
| TUBING RECORD                                                                                  | Size<br>-3/8"                             | 7770 47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Set At<br>943                          |                                                  | Packe<br>n/a | r At                                      | Liner Run                    | Yes ✓ N                                                             | lo                          |                                    | 1                                      |
| Date of First, Resume                                                                          | erd Production                            | n, SWD or I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Enhr.                                  | Producing Me                                     | ethod        | Flowin                                    | ig 📝 Pum                     | nping Gas I                                                         | Lift [] Oth                 | er (Explai                         | n)                                     |
| Estimated Production<br>Per 24 Hours                                                           | n                                         | Oil<br>n/a<br>THOD OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Bbls.                                  | Gas<br>Omcf                                      | Mcf          | Wa <sup>4</sup><br>113.                   | er<br>6bbls<br>Production In | Bbls.                                                               | Gas-Oil Ratio               |                                    | Gravity                                |
| Vented✓ Sole                                                                                   | _                                         | on Lease                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        | Open Hole Other (Spe                             |              | erf.                                      | Dually Comp.                 | _                                                                   |                             |                                    | 2                                      |
|                                                                                                |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        | عالم المستخطي<br>(                               |              | 0 (34 (3 )<br>14 + 1932 (4<br>10 (32 (4 ) | •                            |                                                                     |                             |                                    |                                        |

Resource Corporation

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



FIELD-TICKET REF#

FOREMAN Jag

## C76-550 TREATMENT REPORT

| DATE                    | - WEL              | L NAME & NUMBER           |                    | - SECTION -       | TOWNSHIP RANG    | E COUNTY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|--------------------|---------------------------|--------------------|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ·915:06                 | Kezar Rok          | NN 7-1                    | 1.7                | 7                 | 31 19.           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| . FOREMAN /<br>OPERATOR | TIME TIME:         |                           | TRUCK : #          | TRAILER           | TRUCK THOURS     | EMPLOYEE SIGNATURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Jue 13 .                | 630 10:30          | o                         | 903427             |                   | 3.5              | Ba JAZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| T.m.A                   | 6:30               |                           | 903255             |                   | 1 1              | Ingina                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MAJECICK OF             |                    |                           | 903206             |                   | 3. 25            | maurpor K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| DAVIZ. C                | l. <b>.</b>        |                           | 9031410            | 022752            | 3.5              | mai Mais                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                         |                    | •                         | 931615             | 1.932.22          | 1-1              | The state of the s |
| TROY. W.                | 7:00               |                           | 13/6/15<br>  extra | <u> </u>          | 3.5              | Thought -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| IOR TYPE LOUNG          | String HOLE SIZE 6 | 3/4 H                     |                    | O CASI            | NG SIZE & WEIGHT | 41/2 10.5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| _                       | ००७ ८५ DRILL PIPE  |                           | UBING              |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                         | )4.5 SLURRY VOL    |                           |                    |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                         | 16.05 DISPLACEMENT |                           |                    |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| REMARKS:                |                    |                           |                    |                   | 1.               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                         | gel Swipt to s     | sustace. ]                | INSTAILED CER      | nent head         | PAN 2 SK         | isal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| + 10 b                  | bidye 4 110        | SK of c-                  | mont Toga          | + 24p to 5        | crfair. Flu      | shopenp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                         | per plua to botter |                           |                    | ,                 |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                         |                    |                           |                    |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                         |                    |                           |                    |                   |                  | 37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                         |                    |                           |                    |                   |                  | Walter Street                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                         |                    |                           |                    |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                         | 1006.85            | F+ 41/2                   | Casing             |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                         | 5                  | Centraliza                |                    |                   |                  | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| \$ 13.1300              |                    | Cosing                    | Arector.           | <u> </u>          |                  | ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 607240                  | : 2. hr            | Casing                    | troilor            |                   | <u> </u>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ACCOUNT<br>CODE         | QUANTITY or UNITS  |                           | DESCRIPTION OF SE  | ERVICES OR PRODUC | OT .             | TOTAL<br>AMOUNT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 903427                  | 3.5 hr_            | Foreman Pickup            |                    |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 903255                  | -1 h               | Cement Pump Truck         | (                  |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 903,200                 | 3.5 hr             | Bulk Truck                |                    |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1104                    | 100 SK             | Portland Cement           |                    |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1124                    | 2                  | 50/50 POZ Blend C         | ement 72(11c       | 31/2 -4 3         |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1126                    | 1                  | OWC Blend Cerns Gilsonite | mt 41/2 Plus       |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1110                    | 11 716             | Flo-Seal                  |                    |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1107                    | 3 SIC              | Premium Gel               |                    |                   | DZ(              | CEIVED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1215A                   | 1001               | KCL                       |                    |                   | KANSAS CORPO     | RATION COMMISSIO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1111B                   | 2. SK              | -Sodium Silicate-         | Calchloride        | ·                 | חבר              | 0 8 2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1123                    | 7000 and           | City Water                |                    |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 903140                  | 3.5 hr             | Transport Truck           |                    |                   |                  | ATION DIVISION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 932752                  | 3.5 hr             | Transport Trailer         |                    |                   | WIG              | HITA, KS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 931615                  | 4 hr               | 80 Vac                    |                    |                   |                  | 48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Ravin 4513              | 1                  | 1.11- T/00                | +< h/2             |                   |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



DATE: 9/7/06

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------|-------------------------|-------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| WELL NAME: Kezar, Robyn A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SECTION:                                            | 17                     |                         | REPORT#:          | SPUD DATE                               | 8/4/2006                                |                                         |
| VELL 9: 7-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TWP:                                                | 318                    |                         | DEPTH:            | 1010                                    |                                         |                                         |
| ELD: Cherokee Basin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | RANGE:                                              | 19E                    |                         | PBTD:             |                                         |                                         |                                         |
| DUNTY: Labette                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ELEVATION:                                          | 935                    |                         | FOOTAGE:          | 660 FT FROM                             | North                                   | LINE                                    |
| TATE: Kansas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | API#:                                               | 15-4                   | 099-24012-00-00         |                   | 1980 FT FROM                            | West                                    | LINE                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                     |                        |                         |                   |                                         | NE NW                                   |                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                     |                        |                         |                   |                                         |                                         |                                         |
| TIVITY DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |                        |                         |                   |                                         |                                         |                                         |
| w Me Drilling, J.R. Tinnin, drilled to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | o T10 1010 ft. on 9/6/06 at 7                       | :00 p.m.               |                         |                   |                                         |                                         |                                         |
| face Casing @ 23' 0"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                     |                        |                         |                   |                                         |                                         |                                         |
| rface Casing Size: 8 5/8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |                        |                         |                   |                                         |                                         |                                         |
| AS SHOWS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Gas Measured                                        |                        |                         |                   | COMMENTS:                               |                                         |                                         |
| ilberry Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                                                   | mcf/day @              | 335-337                 |                   | Gas check at 340 ft.                    |                                         |                                         |
| exington Shale and Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u>0</u>                                            | mcf/day @              | 360-362                 |                   | GCS. Gas check at 400 ft.               |                                         |                                         |
| mmit Shale & Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                     | mcf/day @              |                         | FT. *             | GCS. Gas check at 425 ft.               |                                         |                                         |
| ılky Shale & Coal<br>vier Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u>v</u>                                            | mcf/day @              | 540-542                 | FT. •             | GCS. Gas check at 450 ft.               |                                         |                                         |
| rdigris Limestone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | . 0                                                 | mcf/day @<br>mcf/day @ | 340-342                 | FT. *             | GCS. Gas check at 540 ft.               |                                         |                                         |
| roweburg Coal & Shale                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <u></u>                                             | mcf/day @              | 570-572                 |                   |                                         |                                         |                                         |
| eming Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0                                                   | mcf/day @              | 610-612                 |                   |                                         |                                         |                                         |
| Weir Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                                                   | mcf/day @              | 695-696                 |                   |                                         | *************************************** |                                         |
| Weir Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                                                   | mcf/day @              | 710-712                 |                   |                                         |                                         |                                         |
| rtlesville Sand                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0                                                   | mcf/day @              |                         | FT. *             |                                         |                                         |                                         |
| we Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0                                                   | mcf/day @              | 825-828                 |                   | *************************************** |                                         |                                         |
| tral Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                                                   | mcf/day @              | 838-842                 |                   | GCS. Gas check at 840 ft. an            | d 850 ft.                               |                                         |
| er Riverton Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0                                                   | mcf/day @              | 855-859                 |                   |                                         |                                         | *************************************** |
| ver Riverton Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0                                                   | mcf/day @              | 880-885                 | FT.               | GCS. Gas check at 890 ft.               |                                         |                                         |
| sissippi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0                                                   | mcf/day @              | Top at 895              |                   | GCS. Gas check at 895 ft.               |                                         | *************************************** |
| 1010 ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0                                                   | mcf/day @              |                         |                   | GCS at TD.                              |                                         |                                         |
| e: * Asterisk denotes Zone not identi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | fiable from Driller's bands                         | vritten Notes.         |                         |                   |                                         |                                         |                                         |
| te: Water coming into the hole from z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | zones drilled affects Drillin                       | g and Gas Tests, a     | nd these Wells may i    | equire a booster  | to reach target TD.                     |                                         |                                         |
| should also be noted that in these Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                        |                         |                   |                                         |                                         |                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                     |                        |                         |                   |                                         |                                         |                                         |
| Formation Tops a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | and Casing Recommendation                           | made without bene      | efit of viewing open-ho | le logs first.    |                                         |                                         |                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                     |                        |                         |                   |                                         |                                         |                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                     |                        |                         |                   |                                         |                                         |                                         |
| ***************************************                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                        |                         |                   |                                         |                                         | _                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                     |                        |                         |                   |                                         |                                         |                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                     |                        |                         |                   |                                         |                                         |                                         |
| aformation in this report was taken dir                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     | d written notes. A     | all depths and orifice  | checks reflect wh | at the                                  |                                         | <u></u>                                 |
| oformation in this report was taken din                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     | d written notes. A     | All depths and orifice  | checks reflect wh | at the                                  |                                         |                                         |
| nformation in this report was taken din<br>riller recorded during drilling activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                     | d written notes. A     | All depths and orifice  | checks reflect wh | at the                                  |                                         |                                         |
| formation in this report was taken din<br>iller recorded during drilling activities<br>ray Shale / Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | s. Below Zones fyi only.                            | d written notes. A     | All depths and orifice  | checks reflect wh | at the                                  |                                         |                                         |
| formation in this report was taken din<br>iller recorded during drilling activities<br>ray Shale / Coal<br>wnce LS / Pink                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | s. Below Zones fyi only.                            | d written notes. A     | all depths and orifice  | checks reflect wh | at the                                  |                                         |                                         |
| formation in this report was taken din<br>filler recorded during drilling activities<br>ray Shale / Coal<br>awnee LS / Pink<br>ineral Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 217-219<br>337-360                                  | d written notes. A     | All depths and orifice  | checks reflect wh | at the                                  |                                         |                                         |
| Aformation in this report was taken din<br>riller recorded during drilling activities<br>tray Shale / Coal<br>awnee LS / Pink<br>(ineral Coal<br>ebo Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 217-219<br>337-360<br>620-622                       | d written notes. A     | All depths and orifice  | checks reflect wh | at the                                  |                                         |                                         |
| aformation in this report was taken din<br>riller recorded during drilling activities<br>tray Shale / Coal<br>awnee LS / Pink<br>lineral Coal<br>ebo Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 217-219<br>337-360<br>620-622<br>670-672            | d written notes. A     | All depths and orifice  | checks reflect wh | at the                                  |                                         |                                         |
| OTHER COMMENTS: Information in this report was taken directly activities of the control of the c | 317-219<br>337-360<br>620-622<br>670-672<br>775-776 |                        |                         | checks reflect wh | at the                                  |                                         |                                         |
| formation in this report was taken dir<br>iller recorded during drilling activities<br>ray Shale / Coal<br>wnee LS / Pink<br>ineral Coal<br>bo Coal<br>ywood Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 317-219<br>337-360<br>620-622<br>670-672<br>775-776 | d written notes. A     |                         | checks reflect wh | at the                                  |                                         |                                         |
| ormation in this report was taken dir<br>ller recorded during drilling activities<br>ay Shale / Coal<br>wnce LS / Pink<br>neral Coal<br>so Coal<br>rwood Coal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 317-219<br>337-360<br>620-622<br>670-672<br>775-776 | nn casing / Cemen      | t to surface            | checks reflect wh | at the  Cell: (620) 305-9203            | krecoy@grcp<br>K                        | nel - co                                |

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