

Kansas Corporation Commission OIL & GAS CONSERVATION DIVISION

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

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

| OPERATOR: License #  | API No. 15   |
|--|--|
| Name:  | Spot Description:  |
| Address 1:   | SecTwpS. R   |
| Address 2:   | Feet from North / South Line of Section  |
| City: State: Zip:+   | Feet from East / West Line of Section  |
| Contact Person:  | Footages Calculated from Nearest Outside Section Corner:   |
| Phone: ()  | □NE □NW □SE □SW  |
| CONTRACTOR: License #  | County:  |
| Name:  | Lease Name: Well #:  |
| Wellsite Geologist:  | Field Name:  |
| Purchaser:   | Producing Formation:   |
| Designate Type of Completion:  | Elevation: Ground: Kelly Bushing:  |
| ☐ New Well ☐ Re-Entry ☐ Workover   | Total Depth: Plug Back Total Depth:  |
| □ Oil         □ WSW         □ SIOW           □ Gas         □ D&A         □ ENHR         □ SIGW           □ OG         □ GSW         □ Temp. Abd.           □ CM (Coal Bed Methane)         □ Cathodic         □ Other (Core, Expl., etc.):           □ If Workover/Re-entry: Old Well Info as follows: | Amount of Surface Pipe Set and Cemented at: Feet  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet  If Alternate II completion, cement circulated from: sx cmt       |
| Operator:  |  |
| Well Name:   | Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)   |
| Original Comp. Date: Original Total Depth:  Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW  Plug Back: Plug Back Total Depth Commingled Permit #:  Dual Completion Permit #:  SWD Permit #:  ENHR Permit #:  GSW Permit #:   | Chloride content: ppm Fluid volume: bbls  Dewatering method used:  Location of fluid disposal if hauled offsite:  Operator Name: License #:  Quarter Sec Twp S. R East West  County: Permit #: |
| Spud Date or Date Reached TD Completion Date or Recompletion Date  Recompletion Date   |  |

#### **AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

| KCC Office Use ONLY                |
|------------------------------------|
| Letter of Confidentiality Received |
| Date:                              |
| Confidential Release Date:         |
| Wireline Log Received              |
| Geologist Report Received          |
| UIC Distribution                   |
| ALT I II III Approved by: Date:    |

1074707 CORRECTION #1

| Operator Name:  |  |  | Lease Name: _           |                            |  | _ Well #:       |                               |
|---|--|--|-------------------------|----------------------------|--|-----------------|-------------------------------|
| Sec Twp   | S. R   | East West  | County:                 |                            |  |                 |                               |
| time tool open and cle<br>recovery, and flow rate                     | osed, flowing and shu  | nd base of formations pe<br>at-in pressures, whether<br>est, along with final chart<br>well site report. | shut-in pressure rea    | ched static level,         | hydrostatic press                          | sures, bottom h | nole temperature, fluid       |
| Drill Stem Tests Take   |  | ☐ Yes ☐ No   |                         | og Formatio                | n (Top), Depth ar                          | nd Datum        | Sample                        |
| Samples Sent to Geo   | ological Survev  | ☐ Yes ☐ No   | Nam                     | ne                         |  | Тор             | Datum                         |
| Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Cop | ed Electronically  | Yes No Yes No Yes No   |                         |                            |  |                 |                               |
| List All E. Logs Run:   |  |  |                         |                            |  |                 |                               |
|   |  |  | B RECORD No             | ew Used ermediate, product | ion, etc.                                  |                 |                               |
| Purpose of String   | Size Hole<br>Drilled   | Size Casing<br>Set (In O.D.)   | Weight<br>Lbs. / Ft.    | Setting<br>Depth           | Type of<br>Cement                          | # Sacks<br>Used | Type and Percent<br>Additives |
|   |  |  |                         |                            |  |                 |                               |
|   |  |  |                         |                            |  |                 |                               |
|   |  |  |                         |                            |  |                 |                               |
|   |  | ADDITIONA  | L CEMENTING / SQI       | JEEZE RECORD               | 1  |                 |                               |
| Purpose:  —— Perforate —— Protect Casing                              | Depth Type of Cement # Sacks Used Type and Percent Additives |  |                         |                            |  |                 |                               |
| —— Plug Back TD<br>—— Plug Off Zone                                   |  |  |                         |                            |  |                 |                               |
| Shots Per Foot  | PERFORATI<br>Specify   | ON RECORD - Bridge Plu<br>Footage of Each Interval Pe  | gs Set/Type<br>rforated |                            | cture, Shot, Cemen<br>mount and Kind of Ma |                 | d Depth                       |
|   |  |  |                         |                            |  |                 |                               |
|   |  |  |                         |                            |  |                 |                               |
| TUBING RECORD:  | Size:  | Set At:  | Packer At:              | Liner Run:                 | Yes No                                     | 1               |                               |
| Date of First, Resumed  | d Production, SWD or EN                                      | IHR. Producing Me  |                         | Gas Lift 0                 | Other (Explain)                            |                 |                               |
| Estimated Production<br>Per 24 Hours                                  | Oil  | Bbls. Gas  | Mcf Wat                 | ter B                      | bls.                                       | Gas-Oil Ratio   | Gravity                       |
|   | ION OF GAS:  |  | METHOD OF COMPLI        |                            |  | PRODUCTIO       | ON INTERVAL:                  |
| Vented Sole   | d Used on Lease  | Open Hole  | Perf. Dually (Submit    |                            | mmingled<br>mit ACO-4)                     |                 |                               |

| Form      | ACO1 - Well Completion    |
|-----------|---------------------------|
| Operator  | F. G. Holl Company L.L.C. |
| Well Name | LEROY FARMING TRUST 1-30  |
| Doc ID    | 1074707                   |

## All Electric Logs Run

| DIL             |  |
|-----------------|--|
| CDL/CNL/ML      |  |
| Resistivity log |  |
| BHCS            |  |
| CPI             |  |
| Frac finder     |  |

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|-----------|---------------------------|
| Operator  | F. G. Holl Company L.L.C. |
| Well Name | LEROY FARMING TRUST 1-30  |
| Doc ID    | 1074707                   |

#### Tops

| Name         | Тор  | Datum |
|--------------|------|-------|
| Herrington   | 1758 | +162  |
| Winfield     | 1810 | +110  |
| Towanda      | 1874 | +46   |
| Ft Riley     | 1906 | +14   |
| B/Florence   | 2011 | -91   |
| Kinney Ls    | 2026 | -106  |
| Wrefold      | 2054 | -134  |
| Neva         | 2245 | -325  |
| Red Eagle    | 2296 | -376  |
| Wabaunsee    | 2479 | -559  |
| Stotler      | 2593 | -673  |
| Tarkio       | 2651 | -731  |
| Topeka       | 2874 | -954  |
| Heebner      | 3110 | -1190 |
| Toronto      | 3124 | -1204 |
| Brown Lime   | 3190 | -1270 |
| LKC          | 3200 | -1280 |
| ВКС          | 3422 | -1502 |
| Conglomerate | 3434 | -1514 |
| Quartzite    | 3453 | -1533 |
| RTD          | 3541 | -1621 |

#### **Summary of Changes**

Lease Name and Number: LEROY FARMING TRUST 1-30

API/Permit #: 15-009-25604-00-00

Doc ID: 1074707

Correction Number: 1

Approved By: NAOMI JAMES

| Field Name                   | Previous Value  | New Value   |
|------------------------------|---|---|
| Approved Date                | 10/03/2011  | 02/21/2012  |
| Quarter Call 2               | NW  | W2  |
| Quarter Call 3               | SE  | E2  |
| Quarter Call 4 -<br>Smallest | SW  |   |
| Save Link                    | //kcc/detail/operatorE<br>ditDetail.cfm?docID=10<br>63498 | //kcc/detail/operatorE<br>ditDetail.cfm?docID=10<br>74707 |



## CONFIDENTIAL KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM

1063498

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

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

| OPERATOR: License #  | API No. 15  |
|--|---|
| Name:  | Spot Description:   |
| Address 1:   | SecTwpS. R  |
| Address 2:   | Feet from North / South Line of Section   |
| City:  | Feet from East / West Line of Section   |
| Contact Person:  | Footages Calculated from Nearest Outside Section Corner:  |
| Phone: ()  | □NE □NW □SE □SW   |
| CONTRACTOR: License #  | County:   |
| Name:  | Lease Name: Well #:   |
| Wellsite Geologist:  | Field Name:   |
| Purchaser:   | Producing Formation:  |
| Designate Type of Completion:  | Elevation: Ground: Kelly Bushing:   |
| New Well Re-Entry Workover   | Total Depth: Plug Back Total Depth:   |
| Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):  If Workover/Re-entry: Old Well Info as follows:  | Amount of Surface Pipe Set and Cemented at: Feet  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet  If Alternate II completion, cement circulated from: sx cmt  |
| Operator:  | Drilling Fluid Management Plan  |
| Well Name:Original Comp. Date:Original Total Depth:  Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW  Plug Back:Plug Back Total Depth Commingled Permit #:  Dual Completion Permit #:  SWD Permit #:  ENHR Permit #:  GSW Permit #: | (Data must be collected from the Reserve Pit)  Chloride content: ppm Fluid volume: bbls  Dewatering method used:  Location of fluid disposal if hauled offsite:  Operator Name: License #:  Quarter Sec Twp S. R East West  County: Permit #: |
| Spud Date or Date Reached TD Completion Date or Recompletion Date  Recompletion Date   |   |

#### **AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

**Submitted Electronically** 

| KCC Office Use ONLY                |
|------------------------------------|
| Letter of Confidentiality Received |
| Date:                              |
| Confidential Release Date:         |
| Wireline Log Received              |
| Geologist Report Received          |
| UIC Distribution                   |
| ALT I II III Approved by: Date:    |

Side Two



| Operator Name:   |  |  | Lease Name                    | e:                                     |                          |   | _ Well #:         |                     |
|--|--|--|-------------------------------|--|--------------------------|---|-------------------|---------------------|
| Sec Twp  | S. R   | East West  | County:                       |  |                          |   |                   |                     |
| time tool open and clos  | sed, flowing and shut<br>s if gas to surface tes | I base of formations per<br>in pressures, whether set, along with final chart<br>well site report. | shut-in pressure              | reached s                              | static level,            | hydrostatic press                           | sures, bottom h   | ole temperature, fl |
| Orill Stem Tests Taken (Attach Additional S                              |  | Yes No   |                               | Log                                    | Formatio                 | n (Top), Depth an                           | d Datum           | Sample              |
| Samples Sent to Geolo  |  | ☐ Yes ☐ No   | N                             | lame                                   |                          |   | Тор               | Datum               |
| Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy) | I Electronically                                 | Yes No Yes No Yes No   |                               |  |                          |   |                   |                     |
| List All E. Logs Run:  |  |  | RECORD [                      |  | Used                     |   |                   |                     |
|  | Size Hole  | Report all strings set-<br>Size Casing   | -conductor, surface<br>Weight |  | ate, producti<br>Setting | on, etc.  Type of                           | # Sacks           | Type and Percen     |
| Purpose of String  | Drilled  | Set (In O.D.)  | Lbs. / Ft.                    |  | Depth                    | Cement                                      | Used              | Additives           |
|  |  | ADDITIONA  | L OFMENTING (                 | 00115575                               | DECORD                   |   |                   |                     |
|  |  | ADDITIONA  | L CEMENTING / :               | SQUEEZE                                | RECORD                   |   |                   |                     |
| Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone            | Depth<br>Top Bottom                              | Type of Cement   | # Sacks Used                  | d                                      |                          | Type and F                                  | Percent Additives |                     |
|  |  |  |                               |  |                          |   |                   |                     |
| Shots Per Foot   |  | ON RECORD - Bridge Plu<br>ootage of Each Interval Pe   |                               |  |                          | cture, Shot, Cement<br>mount and Kind of Ma | •                 | d Depth             |
|  |  |  |                               |  |                          |   |                   |                     |
| TUBING RECORD:   | Size:  | Set At:  | Packer At:                    | Line                                   | r Run:                   | Yes No                                      |                   |                     |
| Date of First, Resumed I   | Production, SWD or ENI                           | HR. Producing Me   | thod:                         | Gas Li                                 | ift C                    | Other (Explain)                             |                   |                     |
| Estimated Production<br>Per 24 Hours                                     | Oil E  | Bbls. Gas  | Mcf                           | Water                                  | В                        | bls. (                                      | Gas-Oil Ratio     | Gravity             |
| DISPOSITIO   | Used on Lease                                    | Open Hole  | METHOD OF COM Perf. D         | MPLETION:<br>ually Comp<br>omit ACO-5) | . Cor                    | nmingled<br>mit ACO-4)                      | PRODUCTIO         | ON INTERVAL:        |
| (If vented, Sub  | mit ACO-18.)                                     | Other (Specify) _  |                               |  |                          |   |                   |                     |

| Form      | ACO1 - Well Completion    |
|-----------|---------------------------|
| Operator  | F. G. Holl Company L.L.C. |
| Well Name | LEROY FARMING TRUST 1-30  |
| Doc ID    | 1063498                   |

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| Quartzite    | 3453 | -1533 |
| RTD          | 3541 | -1621 |

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



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

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

September 16, 2011

Franklin R. Greenbaum F. G. Holl Company L.L.C. 9431 E CENTRAL STE 100 WICHITA, KS 67206-2563

Re: ACO1 API 15-009-25604-00-00 LEROY FARMING TRUST 1-30 NW/4 Sec.30-19S-14W Barton County, Kansas

#### **Dear Production Department:**

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Franklin R. Greenbaum

# BASIC 10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124

#### FIELD SERVICE TICKET

1718 04493 A

| No.                    | PRESSURE PUMPIN                         |   | one 620-672-1 | 1201                                  |             |  | DATE       | TICKET NO                             |                        |
|------------------------|---|---|---------------|---------------------------------------|-------------|--|------------|---------------------------------------|------------------------|
| DATE OF<br>JOB 4 - /   | - // DIS                                | STRICT KANCA  | 2             | !                                     | WELL &      | OLD □ F  | PROD INJ   | □ WDW □                               | CUSTOMER<br>ORDER NO.: |
| CUSTOMER F             | - Holl                                  | <i>F 67 S C</i>   |               |                                       | LEASE / "   | Rac  | FACM 7     | Rust #1-                              | 30 WELL NO.            |
| ADDRESS                | <u> </u>                                |   |               |                                       | COUNTY /    | 200  | •          |                                       | או או או א             |
| CITY                   |   | STATE   |               |                                       | SERVICE CF  |  | _          |                                       | 7 .                    |
| AUTHORIZED B           | JY                                      |   |               |                                       | JOB TYPE: . | -1/2"  | 1.5        | <del></del>                           | CNW                    |
| EQUIPMENT              |   | EQUIPMENT#  | HRS           |                                       | MENT#       | HRS  | TRUCK CAL  | LED 9-1-11                            | TIME PM STA            |
| 28443                  | 1 1/2                                   |   |               |                                       |             |  | ARRIVED AT | <del>-</del>                          | AM<br>PM               |
| 33708-20               |   |   |               |                                       |             |  | START OPE  | RATION                                | AM                     |
| 19831-19               | 862 11/2                                |   | ļ. <u> </u>   |                                       |             | <u> </u>   | FINISH OPE | $\overline{}$                         | AM 300                 |
| <del>.</del>           |   |   | ļ             |                                       |             | -  | RELEASED   | -                                     | AM 33 ()               |
| <u></u>                |   |   |               |                                       |             | <del>                                     </del> |            | A STATION TO WE                       | <u> </u>               |
| •                      |   |   |               |                                       | · · ·       |  | ·          | - TATION TO WE                        | 65-m. 105              |
| become a part of the   |   | and only those terms and<br>ne written consent of an of |               |                                       |             |  | IGNED:     | <u>66500</u>                          | ITRACTOR OR AGENT)     |
| ITEM/PRICE<br>REF. NO. | mA'                                     | TERIAL, EQUIPMENT                                       | AND SERVICE   | ES USEC                               | )           | UNIT   | QUANTITY   | UNIT PRICE                            | \$ AMOUNT              |
| -P105                  | AAZ                                     | cement  |               |                                       |             | SK   | 130        | -                                     |                        |
| CP 103                 | 60/40                                   | Poz   |               |                                       |             | SK   | _50        |                                       |                        |
|                        | , | / // -  |               |                                       |             | 1,1  | 3 3        |                                       |                        |
| <u> </u>               | Ce// /-/                                | 12 K &  | dec           | · · · · · · · · · · · · · · · · · · · |             | 115  | 2/         |                                       |                        |
| CCIII                  | CALL                                    | rer juki  | Crer-         |                                       |             | 16   | 586        |                                       |                        |
| CC115                  | Viac Bi                                 | o K   |               |                                       |             | 1/2  | 123        |                                       |                        |
| CC129                  | F/A-3                                   | ? コス  |               |                                       |             | 11/2   | 123        | -                                     |                        |
| CCZOI                  | Gilsa                                   | wite.   |               |                                       |             | 15   | 1675       | •                                     |                        |
| CF 907                 | Latch                                   | down Pla  | 18.0          | · · · · ·                             | c/2 Blu     | c EA   | /          | · · · · · · · · · · · · · · · · · · · |                        |
| CF 1251                | Auto Fil                                | I Flort CA  | De 5/         | 7 10 1<br>7 1 7                       | 3/4 e       | Z A  | ,          |                                       |                        |
| F 1651                 | Tucker                                  | 3 + 5 /2  | Blue          | ,                                     |             | 50.  | 10         |                                       |                        |
| F 1901                 | =1/2                                    | BASKet  | Blue          |                                       |             | FA   | 2          |                                       |                        |
| CF 2002                | Cemen                                   | + Scratch   | 10/5          |                                       |             | EA   | 5-0        |                                       |                        |
| m 1 1 m 11             |   | <u>C/ /                                  </u>           |               |                                       |             |  | 1:         |                                       |                        |
| CC154                  | S. P. P. P.                             | 1/05/   |               |                                       |             | 941  | 500        |                                       |                        |
|                        |   |   |               |                                       |             |  |            |                                       |                        |
| CHE                    | EMICAL / ACID DATA                      | <u>.                                    </u>            | <b>j</b> .    |                                       |             |  |            | SUB TO                                |                        |
|                        |   |   |               | SERV                                  | ICE & EQUIF | PMENT  | %TA        | X ON \$                               |                        |
|                        |   |   |               |                                       | RIALS       |  |            | X ON \$                               |                        |
|                        |   | . ,   |               |                                       |             |  |            | TO                                    |                        |
|                        |   |   |               |                                       |             |  |            |                                       |                        |

FIELD SERVICE ORDER NO.

REPRESENTATIVE

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: THE ABOVE MATERIAL AND SERVICE

(WELL OWNER OPERATOR CONTRACTO



10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

#### **FIELD SERVICE TICKET**

1718 04494 A

(WELL OWNER OPERATOR CONTRACTOR

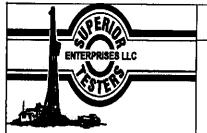
| A STATE OF THE PARTY OF THE PAR | PRESSU                   | RE PUMI          | PING & WIRELINE   |                  |                   |                  | •           | DATE                 | TICKET NO. 0           | 4493                | $\boldsymbol{A}$ |
|--|--------------------------|------------------|---|------------------|-------------------|------------------|-------------|----------------------|------------------------|---------------------|------------------|
| DATE OF<br>JOB G -/  | ~ / (                    | . [              | DISTRICT KAN  | C & S            |                   | NEW WELL         | NELL        | PROD   INJ           | □ WDW □                | CUSTOME<br>ORDER NO | R<br>).:         |
| CUSTOMER /   | -G                       | 1601             | <u> </u>  |                  |                   | LEASE Le         | Ras F       | Acm TR               | ust =1-                | OWELL I             | NO.              |
| ADDRESS  | •                        |                  |   |                  |                   | COUNTY           | acto        | ~ 30-19              | -/YSTATE X             | PUSA                | ٤.               |
| CITY   |                          |                  | STATE   |                  |                   | SERVICE CF       | REW A       | You I                | oe, TJ                 | JR Hu               | سرہ لمدر         |
| AUTHORIZED B   | Υ                        |                  |   |                  |                   | JOB TYPE:        | 5 'A'       | 1.5.                 | •                      | CM                  |                  |
| EQUIPMENT  | T#                       | HRS              | EQUIPMENT#  | HRS              | EQL               | IPMENT#          | HRS         | TRUCK CAL            | LED 9-1-1              | ATE AM-             | YIME<br>イユン      |
| 23443 (  | 910                      | 1/2              |   |                  |                   |                  | `           | ARRIVED AT           | JOB                    |                     | 1020             |
| 19831-19   | 862                      | 17               | 2   |                  | · · · ·           |                  |             | START OPE            | <del></del>            | <b>6</b> M)         | 200              |
|  |                          |                  |   |                  |                   |                  |             | FINISH OPE           | RATION                 | ens.                | 330              |
|  |                          |                  |   | +                |                   | <del></del>      |             |                      | /<br>STATION TO WE     | ELK 3000            | 430              |
|  |                          |                  | EDACT CONDITIONS (This  |                  | . h               |                  | <u>_</u>    |                      |                        | <u> 16.500.</u>     | . / <            |
| The undersigned  | d is autho               | rized to e       | FRACT CONDITIONS: (This<br>execute this contract as an a<br>of and only those terms and | gent of the cu   | ustomer. As       | such, the unders | signed agre | es and acknowl       | edges that this contra | act for services    | s, materials,    |
| become a part of th  | is contra                | ct without       | the written consent of an off   | ficer of Basic   | Energy Sei        | vices LP.        |             | .'                   | John of Substitute ten | nis and/or con      | JIUONS SHAII     |
|  |                          |                  |   |                  |                   |                  | ٤           | IGNED:<br>(WELL OWN) | ER, OPERATOR, CO       | NTRACTOR (          | OR AGENT)        |
| ITEM/PRICE<br>REF. NO.   |                          | М                | ATERIAL, EQUIPMENT  | AND SERV         | ICES USI          | ΞD               | UNIT        | QUANTITY             | UNIT PRICE             | S AM                | IQUNT            |
| F100   | un                       | ,,+              | milenso C   | Char             | ا جي              | Pickup.          | M:          | 6.5                  |                        | <del></del>         | <del>,</del>     |
| E 101  | 14                       | PAU              | 4 Equip   | milen            | 150               |                  | m           | 134                  |                        |                     |                  |
| 1=113  | 1/3                      | ∠ا ب             | 1 16 Livery   | (-ch)            | <del>6 j.e</del>  | Wranat .         | Tm          | 611                  |                        |                     |                  |
| C13704   |                          | eft.             | a Charge  |                  | <del>0 /- 4</del> | 7000             | 4-hr        | 7. ~                 |                        |                     |                  |
| C ( 3 40   | $\mathcal{O}\mathcal{H}$ | <u>לם גוק יי</u> | 1) C -1   | 00               | 1.1               | ce C'hg          | 15/         | 265                  | <del>.</del>           |                     |                  |
| CE 5.11  | 151                      | <u> </u>         | Constance   | - 111            | 17 77 6           | 1/               | T-5         |                      |                        |                     |                  |
| 5003   | \ \( \tau_{-1} \)        | ٠ ر لا ج         | Ca Sagar  | <del>~ ( +</del> | F. 167            | Sha              | £ 12        | 1                    |                        |                     |                  |
|  |                          | * ***            |   | <u> </u>         | , ,, 5,,          | <u> </u>         | 127         | •                    |                        |                     |                  |
|  |                          |                  |   |                  |                   |                  | 1.          |                      |                        |                     |                  |
|  |                          |                  |   |                  |                   |                  |             |                      |                        |                     |                  |
| ·  |                          |                  |   |                  |                   |                  |             |                      |                        |                     |                  |
|  |                          |                  |   | <u> </u>         |                   |                  | <u> </u>    |                      |                        |                     |                  |
|  |                          |                  |   |                  |                   |                  |             |                      |                        |                     |                  |
|  |                          |                  |   |                  |                   |                  |             | ·                    | -                      | •                   |                  |
|  |                          |                  |   | <del></del>      |                   |                  |             |                      |                        |                     |                  |
|  |                          |                  |   |                  |                   |                  |             |                      | -                      | 1                   | . [ . ]          |
|  |                          |                  | ,= <u>u u u</u>   |                  |                   |                  |             |                      |                        |                     |                  |
|  |                          |                  |   | <del>,</del>     |                   |                  |             |                      | SUB TOT.               |                     |                  |
| CHE  | MICAL /                  | ACID DA          | TA:   |                  |                   |                  |             |                      | 765                    |                     |                  |
|  |                          |                  |   | ,                | SER               | VICE & EQUIP     | MENT        | %TAX                 | ON \$                  |                     |                  |
|  |                          |                  |   |                  | MAT               | ERIALS           |             | %TAX                 | ON\$                   |                     |                  |
|  |                          |                  |   |                  | · ·               |                  |             |                      | TOT.                   |                     |                  |
|  |                          |                  |   |                  |                   | •                |             |                      |                        |                     |                  |
|  |                          |                  | <u>,</u>  |                  |                   |                  |             |                      |                        |                     |                  |
| SERVICE  |                          | 1                |   |                  |                   | IAL AND SERV     |             |                      | ノロ (ラ                  |                     |                  |
| REPRESENTATIV  | <u>'E</u>                | Dle              | 7 West  | ORDERED          | BY CUST           | OMER AND R       | ECEIVED     | ) BY: -/             |                        |                     |                  |

FIELD SERVICE ORDER NO.



## TREATMENT REPORT

| Customer F G 14 c       |                 |                |  | Lea      | ase No.     |                 |                        |                 |                  | Date                   |                  |  |                 |  |                |
|-------------------------|-----------------|----------------|--|----------|-------------|-----------------|------------------------|-----------------|------------------|------------------------|------------------|--|-----------------|--|----------------|
| kease∧                  | FACMI           | T/             | 245 t  | We       | # /         | - 3             | <u>·</u>               |                 |                  | 9                      | /                | -//  |                 |  |                |
| Field Order#            |                 |                |  | Casing,  | / Depth     | 57 U'           | County                 | 340             | ton              |                        | Sta              | ite<br>KS  |                 |  |                |
| Type Job                | <del>.</del>    |                |  |          | w ws        | Formation<br>TD | 3541                   | <del> </del>    |                  | Legal De               | escription       | -/9  | +               |  |                |
| PIPE DATA PERFORAT      |                 |                |  |          | DATA        |                 | FLUID L                |                 |                  | TF                     | REAT             |  | RESUM           | •  |                |
| Casing Size             | ' Tubing Siz    | e Shots/       | /Ft  | クコ       |             | Acid            | 60/40                  | 107             | SCA              | RATE                   | PRES             | 3 <u>S</u> /4                                      | ISIP            |  |                |
| Depth                   | ' Depth         | From           |  | To/ [    | مرد<br>د ٥٥ | Pre             | Pad AAA                |                 | Max              | 717                    |                  |  | 5 Min.          |  |                |
| Volume 4 8              | Volume          | From           |  | To /     | J B         | Pad             | SUPE                   | <u> </u>        | Min              |                        |                  |  | 10 Min.         |  |                |
| یہ Max Press<br>ت ن حرا | Max Press       | From           |  | То       | - <u>·</u>  | Frac            |                        |                 | Avg              |                        |                  |  | 15 <b>M</b> in. |  |                |
| Well Cannectic          | Annulus V       | ol. From       |  | То       | 305,        |                 | 60/40                  | ORH             | HHP Used         | <u> کا کا کا کا کا</u> | 6                | 0/40   |                 | <u> ~ · </u>                                 | ıre            |
| Plug Depth              | Packer De       | pth From       |  | То       |             | Flus            |                        | <u>o</u>        | Gas Volur        |                        |                  | <u></u>  | Total Lo        | ad   |                |
| Customer Rep            | presentative    | ob Lon         | ع د  |          | Station     | Mană            | ager' <u>'</u><br>معرک | <del>++</del> y |                  | Treate                 | 7//              | سرم  | Т               |  |                |
| Service Units           | 28443           | 33708          | 7209   | ں پر     | 1983        | 31              | 19862                  | ,               |                  | <u> </u>               |                  |  |                 |  |                |
| Driver<br>Names         | Aller<br>Casing | ブゥセ<br>Tubing  | mel  | S OM     | <u> </u>    | l               | Hunter                 | 15              |                  |                        |                  |  |                 |  |                |
| Time                    | Pressure        | Pressure       | Bbls.  | Pump     | ed          |                 | Rate                   | ,               |                  |                        | Service          | e Log  | DUK             | `e #   | <u>8</u>       |
| 1020                    | 4 M             |                |  |          |             |                 |                        | ONLOC           | <u>. () . sc</u> | ucs.                   | <u>- مرک</u>     | r-+ 3.   | Set.            | <del>-1, 6</del>                             | 1AN 50!        |
|                         |                 |                |  |          |             |                 |                        | nut o           | Fho/e            | , w                    | e/a              | ing  | SCC             | <u> 1                                   </u> | hers:          |
|                         |                 |                |  |          |             |                 |                        | nn 1            | Pipe.            |                        |                  | <del>,                                      </del> | . ,             | ·  |                |
| 1040                    |                 | <del>.</del> . |  |          |             |                 |                        | Start.          | <u>5/2 c</u>     | 55.                    |                  | 0e -   | , ,             | <u> </u>                                     | 2:03           |
|                         |                 |                | _  |          |             |                 |                        | CENT            | /- 7h            | <u> </u>               | <u>0</u>         | 0 1  |                 | 4  | <del>+ 6</del> |
|                         |                 |                | <u> </u>   |          |             |                 |                        | F/0A1           | spoe<br>n 11     | <u> </u>               | <u>, U</u>       | <u>. BAT</u>                                       | _               |  | <u>S.J.</u>    |
| •                       |                 |                |  |          |             |                 |                        | 7.              | 50 1101          | ot A:                  | <u>نڪ</u><br>مر4 |  | •               | G 1  | <u>0 3534</u>  |
| 10.00                   | n 200           | μ              | <del>                                     </del> | 12       | ,           |                 |                        | Pump?           |                  | A 47                   |                  | er f   | 7               | •  |                |
| a a U                   | /// 200         |                | <u> </u>   | -5       |             |                 | <del>)</del>           | Pump            |                  |                        |                  |  | <u> </u>        |  |                |
|                         |                 |                | <del>                                     </del> | <u> </u> |             |                 |                        | Mix             | Puns             | 25 5                   | Ks               | 60/0   | 10 50           | AUP  | V(Pr 0 /5      |
|                         |                 |                |  | <u> </u> |             |                 | 5                      | MIX +           | Puma             | 2 /3 o c               | , Ks             | AA   | 2 60            | برم امر                                      | 1 @ 15         |
|                         |                 |                |  | 3.3      |             |                 |                        | Finis           | sh mi            | + W                    | A 5.             | hout   | PU              | ma   | V LiN          |
| 245                     | 7               |                |  |          |             |                 | 6/2                    | Drop            | 4.0.             | Plus                   |                  | Stac   | + 1             | , <u>, 5</u>                                 | p.             |
|                         | 508             |                |  |          |             |                 | 6                      | CAU             | -ht h            | ; f¥                   | / .              |  |                 |  | BBI ou         |
| 300                     | 1-500           | #_             |  | 84       |             |                 | 4/2                    | Plu             | du               | رر ب                   |                  |  |                 |  | -              |
|                         |                 |                |  |          |             |                 |                        | Rele            | ase 1            | 05 I                   | -                | <u>'01</u>   | - ′′            |  |                |
|                         |                 |                |  | 7        | $\perp$     |                 |                        | Plus            | R.H.             | w/3                    | 0-9              | iks.   | 60/4            | OP   | Poz            |
|                         |                 |                |  | _5       |             |                 |                        | Plus            | M.H.             | · u/                   | 20               | s/s  | 60/             | 40   | Poz            |
|                         |                 |                | 1  | _        |             |                 |                        | WAS             | hup.             | 4 'R                   | AC               | Ky   | 0.              |  |                |
| 420                     |                 | :              |  |          |             |                 |                        | 19              | b co             | mp 1                   |                  |  |                 |  | <del>41)</del> |
|                         |                 |                |  |          | اني         |                 |                        | 7124-86         | on Ks            | A                      |                  |  | 1000            |  |                |



**Leroy Farming Trust 1-30** 

9431 East Central Suit 100 Witchita Kansas 67208

30-19s-14w-Barton

Job Ticket: 16574

DST#: 1

Test Start: 2011.08.25 @ 07:50:00

GENERAL INFORMATION:

Formation: Deviated:

Herrington-Winfield

Time Tool Opened: 09:47:00

Time Test Ended: 13:07:00

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Dustin Elis

Unit No:

3315-GB-20 miles

Interval:

1710.00 ft (KB) To 1829.00 ft (KB) (TVD)

ATTN: Frank

Reference Elevations:

1829.00 ft (KB)

1710.00 ft (CF)

Total Depth: Hole Diameter: 1829.00 ft (KB) (TVD)

7.88 inchesHole Condition: Fair

KB to GR/CF:

119.00 ft

Serial #: 6663

Press@RunDepth:

Outside

177.02 psia @

1826.00 ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time:

2011.08.25 07:51:00

End Date: End Time: 2011.08.25 13:07:00 Last Calib.: Time On Btm: 2011.08.25

2011.08.25 @ 09:43:30

Time Off Btm:

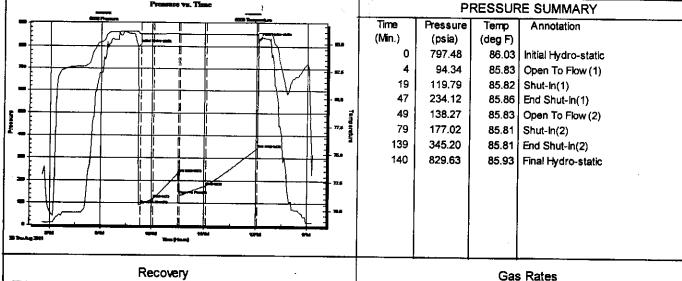
2011.08.25 @ 12:03:00

TEST COMMENT: 1st open 15 minutes Steady building blow built to 7 inches into the water

1st shut in 30 minutes No blow back

2nd open 30 minutes Fair building blow 9 inches into the water

2nd shut in 60 minutes No blow



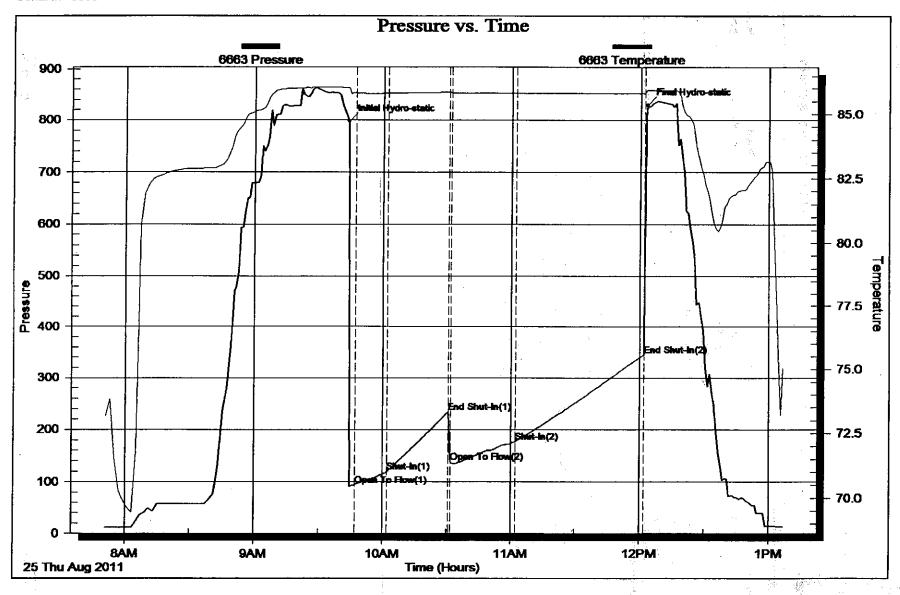
| Length (fi) | Description       | Volume (tibl) |  |  |
|-------------|-------------------|---------------|--|--|
| 90.00       | Drilling mud 100% | 1.26          |  |  |
|             |                   |               |  |  |
|             |                   |               |  |  |
|             |                   |               |  |  |
|             |                   |               |  |  |

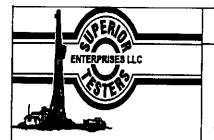
Choke (inches) Pressure (paia) Gas Rate (Mct/d)

Superior Testers Enterprises LLC

Ref. No: 16574

Printed: 2011.08.31 @ 14:01:19





Leroy Farming Trust 1-30

9431 East Central Suit 100 Witchita Kansas 67208

30-19s-14w-Barton

ATTN: Frank

Job Ticket: 16575

DST#: 2

Test Start: 2011.08.27 @ 07:35:00

#### GENERAL INFORMATION:

Time Tool Opened: 09:35:00

Time Test Ended: 00:00:00

Formation: Deviated:

Topeka

No Whipstock:

ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Tester:

Dustin Elis

Unit No:

3315-GB-20

3014.00 ft (KB) To 3042.00 ft (KB) (TVD)

Reference Elevations:

1829.00 ft (KB) 1710.00 ft (CF)

Total Depth:

interval:

3042.00 ft (KB) (TVD)

KB to GR/CF:

119.00 ft

Hole Diameter:

7.88 inchesHole Condition: Fair

Serial #: 6806 Press@RunDepth: inside

118.17 psia @

3038.00 ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time: 2011.08.27 07:36:00 End Date: End Time:

2011.08.27

Last Calib.:

2011.08.28

12:26:00

Time On Btm: Time Off Btm: 2011.08.27 @ 09:34:30

2011.08.27 @ 11:09:00

TEST COMMENT: 1st open 15 minutes Weak surface blow

1st shut in 30 minutes No blow back

2nd open 15 minutes Weak surface blow then died off

2nd shut in 30 minutes No bow back

| ĺ | Prossure vs. Time  | :  | P  | RESSUF | RE SUMMARY                                       |
|---|--|--|--|--------|--|
|   | To the second se | Time<br>(Min.)<br>0<br>1<br>16<br>46<br>47<br>61<br>91<br>95 | Pressure<br>(psia)<br>1548.40<br>41.97<br>43.70<br>523.72<br>45.09<br>46.15<br>118.17<br>1444.68 | 103.13 | Shut-In(1)<br>End Shut-In(1)<br>Open To Flow (2) |
|   |  |  |  |        | -  |

| Length (fi) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 15.00       | Drilling mud | 0.21         |
| <del></del> |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

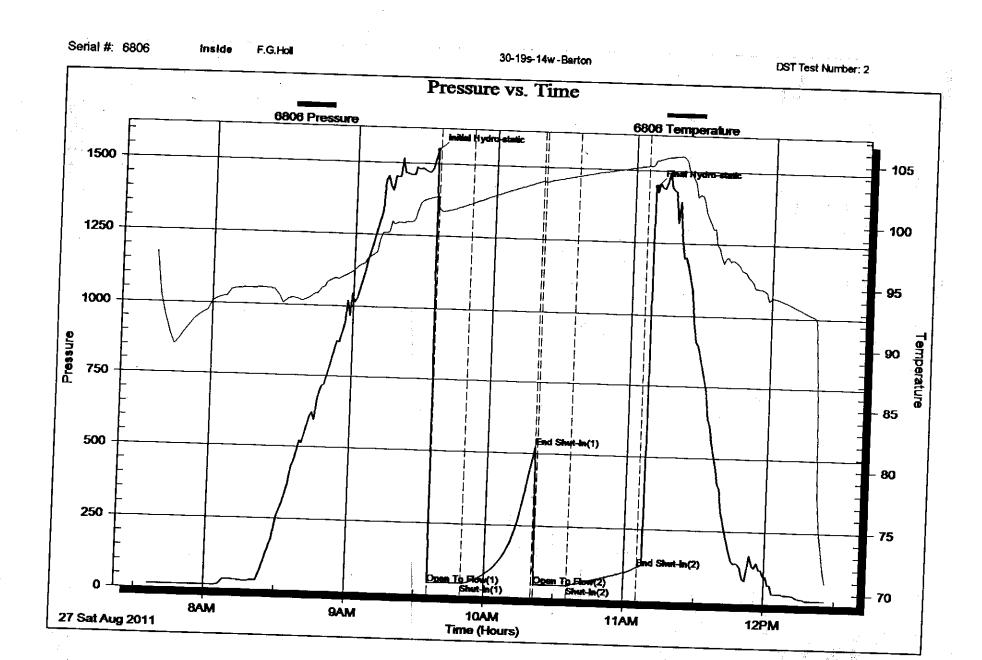
#### Gas Rates

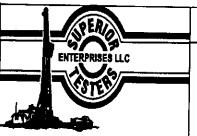
Choke (inches) Pressure (peia) Gas Rate (Mct/d)

Superior Testers Enterprises LLC

Ref. No: 16575

Printed: 2011.08.31 @ 14:01:32





F.G.Holl

**Leroy Farming Trust 1-30** 

9431 East Central Suit 100 Witchita Kansas 67208

30-19s-14w-Barton

Job Ticket: 17201

ATTN: Frank

**DST#:3** 

Test Start: 2011.08.28 @ 04:40:00

#### GENERAL INFORMATION:

Time Test Ended: 11:37:00

Formation:

Lancing A-B

Deviated:

No Whipstock: Time Tool Opened: 06:25:30

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Dustin Elis

Unit No:

3315-GB-20

interval:

3195.00 ft (KB) To 3236.00 ft (KB) (TVD)

Total Depth:

3236.00 ft (KB) (TVD)

Hole Diameter:

7.88 inchesHole Condition: Fair

Reference Elevations:

1829.00 ft (KB) 1710.00 ft (CF)

KB to GR/CF:

119.00 ft

Serial #: 6663 Press@RunDepth:

Outside

1145.73 psia @

3233.00 ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time:

2011.08.28 04:41:00

End Date: End Time:

2011.08.28 11:37:30 Last Calib.:

2011.08.28

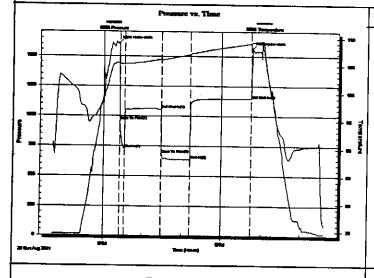
Time On Btm: Time Off Btm: 2011.08.28 @ 06:24:00 2011.08.28 @ 09:46:30

TEST COMMENT: 1st open 5 minutes Strong blow bottom of bucket less than 1 minutes

1st shut in 60 minutes Yes blow back

2nd open 45 minutes Strong blow boyyum of bucket instantly

2nd shutin 90 minutes Yes blow back



#### PRESSURE SUMMARY

|   | TITEODOINE SOMMANT                               |                            |                             |                  |  |  |  |
|---|--|----------------------------|-----------------------------|------------------|--|--|--|
|   | Annotation                                       | Temp                       | Pressure                    | Time             |  |  |  |
|   |  | (deg F)                    | (psia)                      | (Min.)           |  |  |  |
|   | Initial Hydro-static                             | 105.58                     | 1606.39                     | 0                |  |  |  |
|   | Open To Flow (1)                                 | 105.41                     | 959.01                      | 2                |  |  |  |
|   | Shut-In(1)                                       | 105.25                     | 725.49                      | 9                |  |  |  |
|   | End Shut-In(1)                                   | 106.16                     | 1059.43                     | 65               |  |  |  |
|   | Open To Flow (2)                                 | 106.08                     | 685.30                      | 66               |  |  |  |
|   | Shut-In(2)                                       | 106.97                     | 637.06                      | 109              |  |  |  |
|   | End Shut-In(2)                                   | 109.03                     | 1145.73                     | 201              |  |  |  |
|   | Final Hydro-static                               | 109.17                     | 1563.74                     | 203              |  |  |  |
| • |  | }                          |                             |                  |  |  |  |
|   |  |                            |                             |                  |  |  |  |
|   |  |                            |                             |                  |  |  |  |
|   |  | [                          |                             |                  |  |  |  |
|   | Open To Flow (2)<br>Shut-In(2)<br>End Shut-In(2) | 106.08<br>106.97<br>109.03 | 685.30<br>637.06<br>1145.73 | 66<br>109<br>201 |  |  |  |

#### Recovery

| Length (ft) | Description        | Valume (bbl) |
|-------------|--------------------|--------------|
| 60.00       | Drilling mudd 100% | 0.84         |
|             |                    |              |
|             |                    |              |
|             |                    |              |
|             |                    |              |
|             |                    |              |

#### Gas Rates

|                | Chois (Inches) | Pressure (psia) | Gas Rate (Mct/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 1.00           | 44.00           | 1264.95          |
| Last Gas Rate  | 1.00           | 48.00           | 1379.94          |
| Max. Gas Rate  | 1.00           | 48.00           | 1379.94          |



GAS RAT

Leroy Farming Trust 1-30

30-19s-14w-Barton

Job Ticket: 17201

Test Start: 2011.08.28 @ 04:40:00

ATTN: Frank

Gas Rates Information

59 (deg F)

F.G.Holl

9431 East Central Suit 100

Witchita Kansas 67208

Temperature: Relative Density:

0.65

Z Factor:

0.8

#### Gas Rates Table

| Flow Period | Bapsed Time | Choke<br>(inches) | Pressure<br>(psia) | Gas Rate<br>(Mcf/d) |
|-------------|-------------|-------------------|--------------------|---------------------|
| 1           | 10          | 1.00              | 44.00              | 1264.95             |
| 1_          | 10          | 1.00              | 48.00              | 1379.94             |
| 2           | 20          | 1.00              | 48.00              | 1379.94             |
| 3           | 30          | 1.00              | 48.00              | 1379.94             |

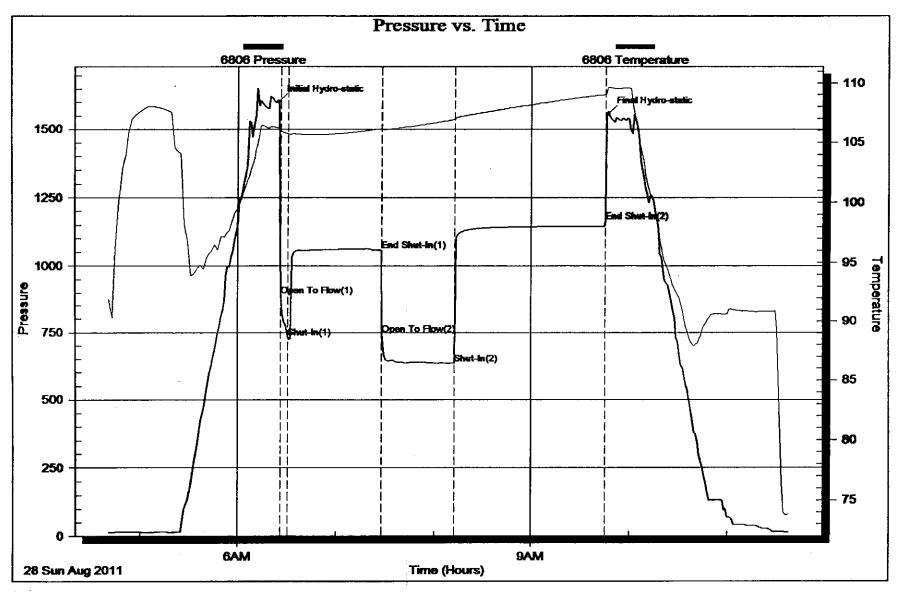
Serial #: 6806

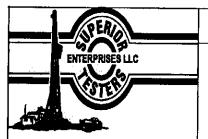
Inside

F.G.Holl

30-19s-14w-Barton

DST Test Number: 3





F.G.Holl

**Leroy Farming Trust 1-30** 

9431 East Central Suit 100 Witchita Kansas 67208

30-19s-14w-Barton Job Ticket: 17202

DST#:4

ATTN: Frank

Test Start: 2011.08.29 @ 07:40:00

#### **GENERAL INFORMATION:**

Formation:

Lancing-F

Deviated:

No Whipstock: ft (KB)

Time Tool Opened: 09:20:30 Time Test Ended: 14:45:30

Conventional Straddle (Initial) Test Type:

Tester:

Dustin Elis

Unit No:

3315-GB-20

Reference Elevations:

1829.00 ft (KB)

1710.00 ft (CF)

KB to GR/CF:

Interval: Total Depth:

Hole Diameter:

3246.00 ft (KB) To 3270.00 ft (KB) (TVD)

3291.00 ft (KB) (TVD)

7.88 inchesHole Condition: Fair

119.00 ft

Serial #: 6999

Press@RunDepth:

Inside 131.91 psia @

3268.00 ft (KB)

Capacity:

5000.00 psia

Start Date: Start Time: 2011.08.29

07:41:00

End Date: End Time:

2011.08.29 14:45:30 Last Calib.: Time On Btm: 2011.08.29

Time Off 8tm:

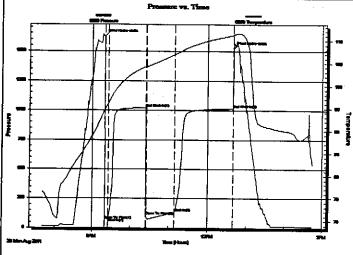
2011.08.29 @ 09:20:00 2011.08.29 @ 12:40:30

TEST COMMENT: 1st open 5 minutes Strong blow built to bottum of bucket in 5 minutes

1st shut in 60 minutes No blow back

2nd open 45 minutes Strong blow built to bottum of bucket in 1 minutes

2nd shut in 90 minutes No blow back



|             |        | PI       | RESSUF  | RE SUMMARY           |  |
|-------------|--------|----------|---------|----------------------|--|
|             | Time   | Pressure | Temp    | Annotation           |  |
|             | (Min.) | (psia)   | (deg F) |                      |  |
|             | 0 ]    | 1621.95  | 94.82   | Initial Hydro-static |  |
| İ           | 1      | 67.02    | 94.71   | Open To Flow (1)     |  |
|             | 6      | 80.48    | 96.05   | Shut-In(1)           |  |
|             | 64     | 1021.96  | 104.22  | End Shut-In(1)       |  |
| <b>3</b>    | 66     | 103.22   | 104.16  | Open To Flow (2)     |  |
| Temperature | 110    | 131.91   | 106.91  | Shut-In(2)           |  |
| ╸           | 200    | 1015.83  | 111.13  | End Shut-In(2)       |  |
|             | 201    | 1526.00  | 111.36  | Final Hydro-static   |  |
|             |        | }        |         |                      |  |
| ١           |        |          |         |                      |  |
| ľ           | ŀ      |          |         |                      |  |
| ł           |        | [        |         |                      |  |
| Į           |        |          |         |                      |  |
| Ī           |        |          |         |                      |  |

#### Recovery

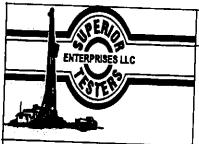
| Length (ft) | Description                      | Volume (bbl) |
|-------------|----------------------------------|--------------|
| 120.00      | 100% oil                         | 1.68         |
| 60.00       | Gassy Oil 90% oil 10% gas        | 0.84         |
| 120.00      | Gassy Oil 60% oil 40% gas        | 1.68         |
| 60.00       | Muddy Gassy Oil 50%oil 30%mud20% | 0.84         |
| 0.00        | 1950 gas in pipe                 | 0.00         |
| 0.00        | Gravity 30 corrected             | 0.00         |

| Gas Rates |                |                 |                  |  |  |  |  |
|-----------|----------------|-----------------|------------------|--|--|--|--|
|           | Choke (inches) | Pressure (psia) | Ges Rate (Mct/d) |  |  |  |  |

Superior Testers Enterprises LLC

Ref. No: 17202

Printed: 2011.08.31 @ 14:03:40



FLUID SUMMARY

deg API

ppm

F.G.Holl

Leroy Farming Trust 1-30

9431 East Central Suit 100 Witchita Kansas 67208

30-19s-14w-Barton

Job Ticket: 17202

DST#:4

ATTN: Frank

Test Start: 2011.08.29 @ 07:40:00

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: Viscosity:

9.00 lb/gai 52.00 sec/qt

Water Loss: Resistivity:

7.97 in\* ohmm

Salinity: Filter Cake:

8300.00 ppm 1.00 inches Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type: Gas Cushion Pressure:

psia

ft

ppi

Recovery Information

Recovery Table

| Length<br>ft | Description                      | Volume |
|--------------|----------------------------------|--------|
| 120.00       | 100% oil                         | bbi    |
| 60.00        | Gassy Oil 90% oil 10% gas        | 1.683  |
| 120.00       | Gassy Oil 60% oil 40% gas        | 0.842  |
| 60.00        | Muddy Gassy Oil 50%oil 30%mud20% | 1.683  |
| 0.00         | 1950 gas in pipe                 | 0.842  |
| 0.00         | Gravity 30 corrected             | 0.000  |
|              |                                  | 0.000  |

Total Length:

360.00 ft

Total Volume:

5.050 bbl

Num Fluid Samples: 0

Laboratory Name:

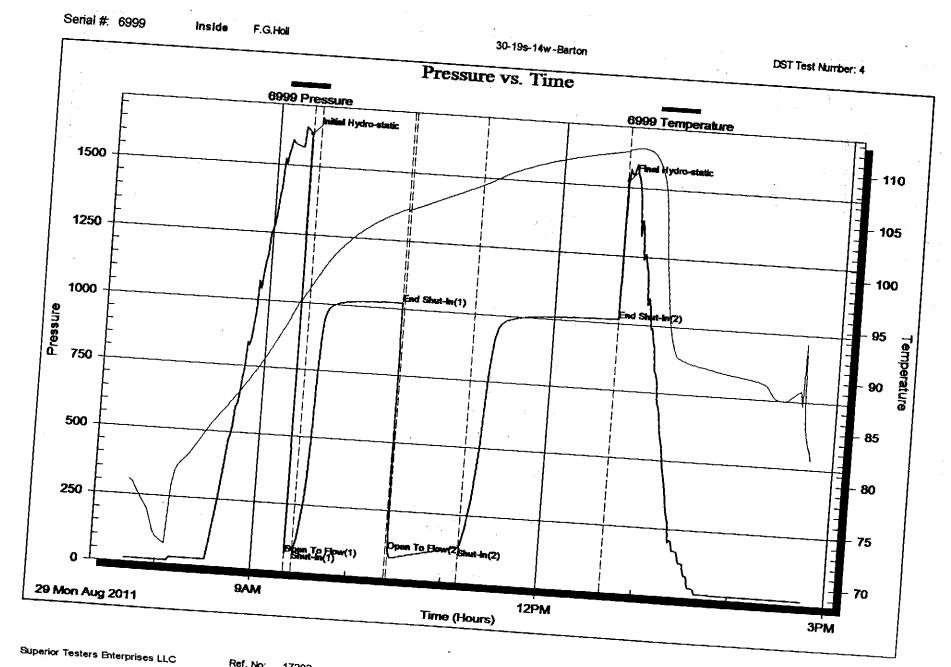
Recovery Comments:

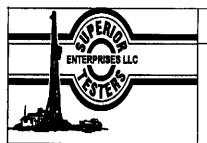
Num Gas Bombs:

Laboratory Location:

Serial #:

Printed: 2011.08.31 @ 14:03:41





**Leroy Farming Trust 1-30** 

9431 East Central Suit 100 Witchita Kansas 67208

30-19s-14w-Barton Job Ticket: 17203

DST#: 5

ATTN: Frank

Test Start: 2011.08.30 @ 04:30:00

#### GENERAL INFORMATION:

Formation:

Lancing HIJK

Deviated:

Whipstock:

Time Tool Opened: 06:06:30 Time Test Ended: 13:12:30 ft (KB)

Tester:

Test Type: Conventional Bottom Hole (Initial)

Dustin Elis

3315-GB-20

Unit No:

1829.00 ft (KB)

Reference Elevations:

1710.00 ft (CF)

KB to GR/CF:

119.00 ft

Interval: Total Depth: Hole Diameter: 3315.00 ft (KB) To 3400.00 ft (KB) (TVD)

3400.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Capacity:

Start Date:

Serial #: 6806

Press@RunDepth:

inside 832.38 psia @

3396.00 ft (KB)

End Date:

2011.08.30

Last Calib.:

5000.00 psia

Start Time:

2011.08.30 04:31:00

End Time:

13:12:30

Time On Btm:

2011.08.30 2011.08.30 @ 06:06:00

Time Off Btm:

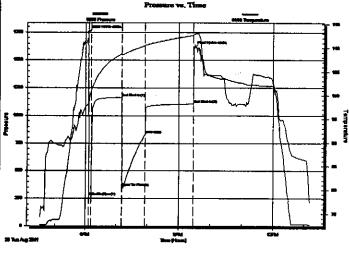
2011.08.30 @ 09:28:30

TEST COMMENT: 1st open 5 minutes Strong blow bottum of bucket 1 minute

1st shut in 60 minutes Yes blow back

2nd open 45 minutes Strong blow built to bottum of bucket instantly

2nd shut in 90 minutes Yes blow back



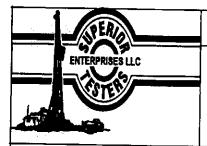
|     | PRESSURE SUMMARY |          |         |                      |  |  |  |  |
|-----|------------------|----------|---------|----------------------|--|--|--|--|
| Ī   | Time             | Pressure | Temp    | Annotation           |  |  |  |  |
|     | (Min.)           | (psia)   | (deg F) |                      |  |  |  |  |
|     | 0                | 1749.83  | 98.43   | Initial Hydro-static |  |  |  |  |
|     | 1                | 269.49   | 98.28   | Open To Flow (1)     |  |  |  |  |
|     | 6                | 304.87   | 101.00  | Shut-in(1)           |  |  |  |  |
|     | 64               | 1162.09  | 108.69  | End Shut-In(1)       |  |  |  |  |
| 1   | . 66             | 355.99   | 108.54  | Open To Flow (2)     |  |  |  |  |
| i   | 110              | 832.38   | 110.50  | Shut-In(2)           |  |  |  |  |
| •   | 202              | 1106.19  | 112.69  | End Shut-In(2)       |  |  |  |  |
|     | 203              | 1608.53  | 112.84  | Final Hydro-static   |  |  |  |  |
| ì   |                  |          |         | •                    |  |  |  |  |
|     |                  |          |         |                      |  |  |  |  |
| ı   |                  |          |         |                      |  |  |  |  |
| -   |                  |          |         |                      |  |  |  |  |
| ı   |                  |          |         |                      |  |  |  |  |
| - 1 |                  |          | 1       |                      |  |  |  |  |

#### Recovery

| Length (ft) | Description                    | Volume (bbl) |
|-------------|--------------------------------|--------------|
| 60.00       | muddy oily gas 10% gas 40% oil | 50%mu(0.84   |
| 60.00       | muddy oil 10%oil 90% mud       | 0.84         |
| 2755.00     | clean gassy oil 100%           | 38.65        |
| 0.00        | Gravity of oil 35 corrected    | 0.00         |

#### Gas Rates

|                | Choke (inches) | Pressure (psia) | Gata Rate (Mct/d) |
|----------------|----------------|-----------------|-------------------|
| First Gas Rate | 0.13           | 6.00            | 2.25              |
| Last Gas Rate  | 0.25           | 9.00            | 14.28             |
| Max. Gas Rate  | 0.13           | 9.00            | 3.37              |



FLUID SUMMARY

deg API

ppm

F.G.Holl

Leroy Farming Trust 1-30

9431 East Central Suit 100 Witchita Kansas 67208

30-19s-14w-Barton

Job Ticket: 17203

DST#:5

ATTN: Frank

Test Start: 2011.08.30 @ 04:30:00

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

9.00 ib/gai

Viscosity: Water Loss:

50.00 sec/qt 8.79 in<sup>a</sup>

Resistivity: Salinity:

ohm.m 8100.00 ppm

Filter Cake:

1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

bbl

ft

psia

Serial #:

Recovery Information

Recovery Table

| Length<br>ft | Description                           | Volume<br>bbl |
|--------------|---------------------------------------|---------------|
| 60.00        | muddy oily gas 10% gas 40% oil 50%mud | 0.842         |
| 60.00        | muddy oil 10%oil 90% mud              | 0.842         |
| 2755.00      | clean gassy oil 100%                  | 38.645        |
| 0.00         | Gravity of oil 35 corrected           | 0.000         |

Total Length:

2875.00 ft

Total Volume:

40.329 bbl

Num Fluid Samples: 0 Laboratory Name:

Num Gas Bombs:

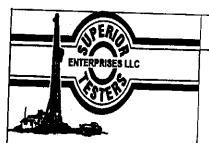
Laboratory Location:

Recovery Comments:

Ref. No: 17203

Printed: 2011.08.31 @ 14:04:20

Superior Testers Enterprises LLC



Leroy Farming Trust 1-30

30-19s-14w-Barton

Job Ticket: 17203

GAS R

Test Start: 2011.08.30 @ 04:30:00

F.G.Holl

9431 East Central Suit 100 Witchita Kansas 67208

ATTN: Frank

Gas Rates information

Temperature:

59 (deg F)

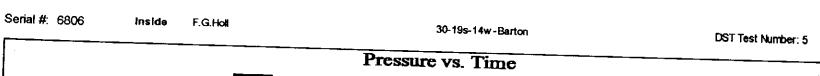
Relative Density: 0.65

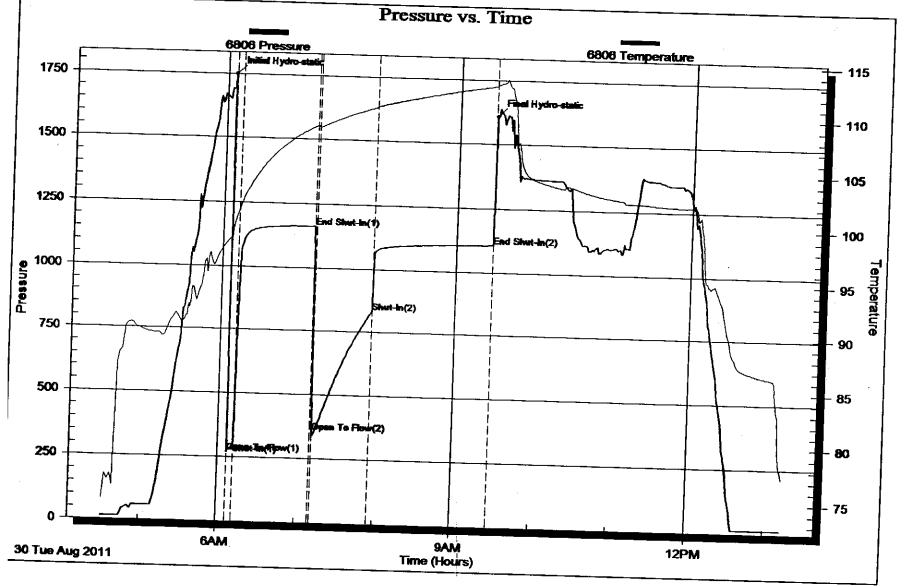
Z Factor:

0.8

Gas Rates Table

|             |             | O Tubic           |                    |                     |
|-------------|-------------|-------------------|--------------------|---------------------|
| Flow Period | Bapsed Time | Choke<br>(inches) | Pressure<br>(psia) | Gas Rate<br>(Mcf/d) |
| 1           | 10          | 0.13              | 6.00               | 2.25                |
| 1           | 10          | 0.13              | 6.00               | 2.25                |
| 2           | 20          | 0.13              | 9.00               | 3.37                |
| 3           | 30          | 0.25              | 9.00               | 14.28               |







F.G.Holl

Leroy Farming Trust 1-30

9431 East Central Suit 100 Witchita Kansas 67208

30-19s-14w-Barton

Job Ticket: 17204

DST#:6

Test Start: 2011.08.31 @ 03:15:00

#### **GENERAL INFORMATION:**

Formation:

Reugan sand

Deviated:

Whipstock:

ft (KB)

Time Tool Opened: 05:14:30 Time Test Ended: 08:51:30

3456.00 ft (KB) To 3476.00 ft (KB) (TVD)

Interval: Total Depth:

Hole Diameter:

3476.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Test Type:

Conventional Bottom Hole (Initial)

Tester:

Dustin Elis

Unit No:

3315-GB-20

Reference Elevations:

1829.00 ft (KB)

1710.00 ft (OF)

KB to GR/CF:

119.00 ft

Serial #: 6806

Press@RunDepth:

inside

41.35 psia @ 2011.08.31

3472.00 ft (KB) End Date:

2011.08.31

Capacity:

5000.00 psia

Start Date: Start Time:

03:16:00

End Time:

08:51:30

Last Calib.: Time On Btm: 2011.08.31

Time Off Btm:

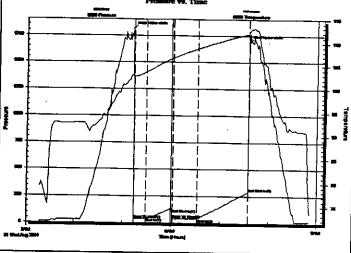
2011.08.31 @ 05:13:30 2011.08.31 @ 07:35:30

TEST COMMENT: 1st open 15 minutes Weak surface blow 1 inch into the bucket

1st shut in 30 minutes No blow back

2nd open 30 minutes Weak building blow 2.5 inches into the bucket

2nd shut in 60 minutes No blow back



|               |       | P        | RESSUF  | RE SUMMARY           |   |
|---------------|-------|----------|---------|----------------------|---|
| 145           | Time  | Pressure | Temp    | Annotation           |   |
| <b>1</b>      | Min.) | (psia)   | (deg F) |                      | į |
| -             | 0     | 1813.31  | 103.19  | Initial Hydro-static | : |
| =             | 1     | 37.05    | 102.75  | Open To Flow (1)     |   |
|               | 16    | 42.41    | 103.67  | Shut-In(1)           |   |
| -             | 49    | 88.01    | 106.69  | End Shut-in(1)       |   |
| . <u>इ</u>    | 49    | 38.14    | 106.72  | Open To Flow (2)     |   |
| Temperature T | 79    | 41.35    | 108.76  | Shut-In(2)           |   |
| • 2           | 142   | 291.49   | 111.92  | End Shut-In(2)       |   |
| ,             | 142   | 1692.38  | 112.36  | Final Hydro-static   |   |
|               |       | ļ        |         | ,                    |   |
| ,             |       | i        |         |                      |   |
|               |       |          |         |                      |   |
|               |       | İ        | i       |                      | - |
| Ī             |       |          |         |                      |   |
| _             |       |          | İ       |                      |   |
|               |       |          |         |                      |   |

#### Recovery

| Length (ft) | Description       | Valume (bbl) |
|-------------|-------------------|--------------|
| 20.00       | Drilling mud 100% | 0.28         |
|             |                   |              |
|             |                   |              |
|             |                   |              |
|             |                   |              |
|             |                   |              |

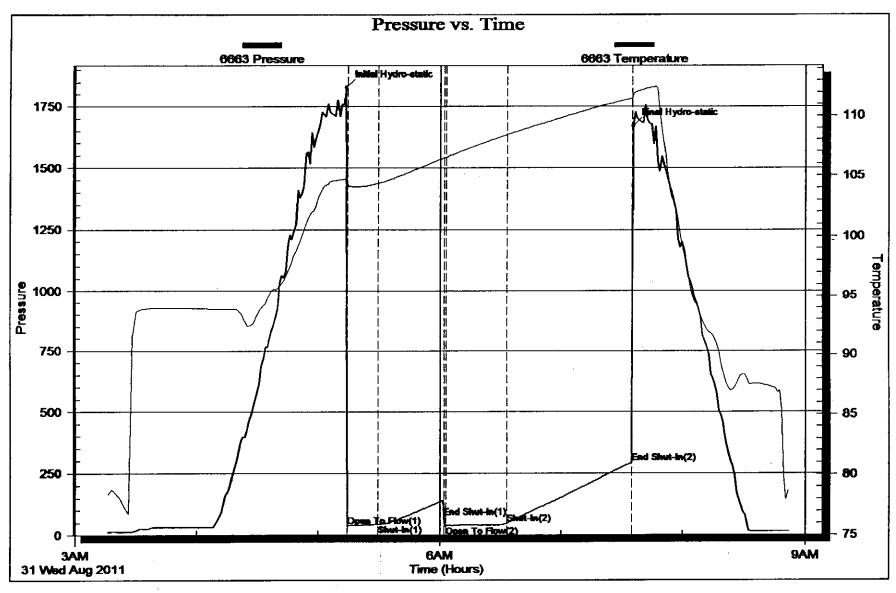
| Gas | Rates |
|-----|-------|
|-----|-------|

| Chole (inches) | Pressure (psia) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
|----------------|-----------------|------------------|

Superior Testers Enterprises LLC

Ref. No: 17204

Printed: 2011.08.31 @ 14:04:31



## Mud-Co / Service Mud Inc.

| Operator | ī       | FG Ho      | oll       |                  |             |          | County         | Barton    |               | State    | <u>Kansas</u> | <u> </u>  | Pump   | 6_          | _ X       | 14       | x      | 60     | SPM                                     | Casing Program |                      | 8 5/8         | @ <u>850</u> ft.   |
|----------|---------|------------|-----------|------------------|-------------|----------|----------------|-----------|---------------|----------|---------------|-----------|--------|-------------|-----------|----------|--------|--------|---|----------------|----------------------|---------------|--------------------|
| ∕Veli    |         | Leroy      | Farmin    | g Trus           | t #1-30     |          | Location       |           |               |          | _ :           |           | _      |             | GPM       |          |        | 7.75   | врм                                     |                |                      |               | æ ft.              |
| Contract | OF      | Duke       | #8        |                  |             |          | Sec            | 30        | TWP           | 198      | RNO           | 3 14W     | D.P.   | 4.5         | in.       |          |        | 191    | -<br>FT/MIN R.A.                        |                | -                    | *             |                    |
| Stockpoi | nt      | Pratt,     | Ks.       | Date             | 8/2         | 2/2011   | _<br>_Enginee: | r         | Rick I        | lughes   | <u>-</u>      |           | Collar | 6.25        | -<br>_in. | 495      | π.     | 348    | -<br>_FT/MIN R.A.                       |                | . 7                  | Total Depth   | 3541' ft.          |
| DATE     | DEPTH   | WEIGHT     | T         | VISC             | OSITY       | GELS     | рН             | FILT      | RATIONTILT    | RATION A | NALYSIS       |           | SAND   |             | RET       | ORT      | L.C.M. | Pump   | CUMULATIVE                              | Γ              |                      |               | ,                  |
|          | feet    | lb/gal     | Sec API   | PV<br><b>Q</b> F | Υp          | 10 sec / | Strip<br>Meter | mi<br>API | Cake<br>32nda | Pres.    | CI<br>ppm     | Ca<br>ppm | *      | Solids<br>% | OII<br>%  | Water %  |        | Press. | совт                                    |                | REA                  | MARKS AND TRE | ATMENT             |
| 8/22     | 0       |            | -         |                  |             |          |                |           |               |          | -             | 1         |        |             | <u> </u>  |          |        | - 1 01 | *************************************** | Set Ra         | athole               |               |                    |
| 8/23     | 850     |            |           |                  |             | Ì        |                |           |               |          |               |           |        |             | Н         | į.       | ÷      |        |   | WOC            |                      |               |                    |
| 8/24     | 1075    | 8.8        | 28        |                  |             | 1        | 7.0            | N/C       |               |          | 17.4m         | Hvy       |        | 2.5         |           | 97,5 -   |        |        |   | Drlg.          |                      | Displaced v   | v/ Starch @ 1629'  |
| B/25     | 1829    | 8.8        | 43        | 8                | 14          | 14/40    | 7.0            | 8.0       | -1            |          | 9,300         |           |        | 3.1         |           | 96.9     | 4      |        |   |                |                      | OST #1 @      |                    |
| 8/26     | 2284    | 9:0        | 41        | 11               | 11          | 9/28     | 7.0            | 11.2      | -1            |          | 19.3m         |           |        | 3.9         |           | 96/1     |        |        |   | Drlg.          |                      | , ,           |                    |
| 8/27     | 2914    | 8,8        | 51        | 13               | 14          | 10/43    | 10.5           | 8.0       | 1             |          | 5,400         | 20        |        | 3.3         |           | 96.7     | ,      |        |   | Drlg.          | J - [                | Displaced v   | v/ chemical @ 2604 |
|          | 3127    | 9.0        | 49        | 13               | 13          | 8/35     | 8.5            | 9.2       | 1             |          | 7,400         | 80        |        | 4.6         |           | 95.4     | r:     |        |   | Drlg.          |                      | DST #2 @      | 3042'              |
|          | 3291    | 9:2        | 52        | 14               | 15          | 14/51    | 11.0           | 8.0       | 1             |          | 8,300         | 20        |        | 6.0         | М         | 94.0     | -      |        |   |                |                      | OST#3@        |                    |
| 8/30     | 3400    | 9.2.       | 50        | 12.              | 13          | 10/38    | 10.5           | 8.8       | 1             |          | 8,100         | 40        |        | 6.0         |           | 94.0     | i i    |        | •                                       | DST 5          |                      | DST #4 @      |                    |
| 3/31     | 3476    | 9.3        | 54        | 13               | <b>.</b> 15 | 10/42    | 10.5           | 8.8       | 1             |          | 9,200         | 20        |        | 6.6         |           | 93.4     | h.»    |        |   | TOH V          | v/DST -              | OST #5 @      | 3400'              |
| 9/1      | 3541    | 1          |           |                  |             |          |                |           |               |          | ,             |           |        |             | $\Box$    | <i>i</i> | 3      |        |   |                | ate 5 1/2 csg [      |               |                    |
|          |         |            |           |                  |             |          | <u> </u>       |           |               |          |               |           |        |             | $\Box$    | . 7      |        |        |   |                |                      |               |                    |
|          |         |            |           |                  |             | · ·      |                | i i       |               |          |               | :         |        |             |           |          |        |        |   | FINAL          | : Ran 6 DSTs,        | Logs OK.      | Ran 5 1/2 csg      |
|          |         | 741        |           |                  |             |          |                |           |               | - 1      |               | 1         |        |             |           | ,        |        |        | 1.4                                     |                |                      |               |                    |
|          |         | e 1        |           |                  |             | ,        |                |           |               | . ,      |               |           |        |             |           |          |        |        |   |                | 1.1                  |               |                    |
|          |         |            |           |                  |             |          |                |           |               |          |               | 1         |        |             |           |          |        |        |   |                | 54                   |               | `                  |
|          |         |            |           |                  |             |          |                | ĵ.        | ř             |          | •             |           |        |             |           |          |        |        | ŀ                                       |                |                      |               |                    |
|          |         |            |           |                  |             |          |                |           |               | 9        |               |           |        |             |           | 6        | ř.     |        |   | Reser          | ve Pit, Chi cont     | ent ppm: 2    | 2.500 ppm          |
|          |         |            |           |                  |             |          |                |           |               |          |               |           |        |             |           | i        |        |        | r i                                     | Estima         | ated Volume:         |               | pprox 875 bbls     |
|          |         |            |           |                  |             |          |                |           |               |          | 1 .           |           |        |             |           |          | -      |        | _                                       |                |                      |               |                    |
| ľ        |         |            |           |                  |             |          |                |           |               |          |               |           |        |             |           | ·        |        |        | <del>-</del>                            | Chemi          | ical at 2600'        |               | γ                  |
|          |         |            |           |                  |             | ,        |                |           |               | . ,      | i             |           |        |             |           | i        |        |        |   |                |                      |               |                    |
| $\Box$   |         |            |           |                  |             |          |                |           |               |          | į             |           |        |             |           | Ē.       | 911    |        | -                                       |                |                      |               |                    |
|          |         |            |           |                  |             |          | Materials      |           | Şac           | ks       | Amo           |           |        | Mater       | rials     |          | Sac    | cks    | Amour                                   | nt             | 1                    |               | . Amount           |
| N        | NUD-CO  | ) / SER    | VICE M    | UD INC           |             | C/S HUL  |                |           |               | 24       |               | C BB      | SUPE   | RLIG        |           |          | -      | 11     | 63                                      | 14.60          |                      |               |                    |
|          |         |            |           |                  |             | CAUSTIC  | C SODA         |           |               | 16       |               | 4024      |        |             |           |          |        |        |   |                |                      | °,            |                    |
|          | 100     | S. Mair    | Suite #   | 310              |             | DEŞCO    |                |           |               | 2        |               | 7. 75     |        |             |           | !,       |        |        |   |                |                      |               | •                  |
|          | W       | /ichita, f | (s. 6720  | 2                |             | DRILL PA |                |           |               | 5        |               |           |        |             |           |          |        |        |   |                |                      | , , , ,       | •                  |
| 31       | 6/264-2 | 2814 Fa    | ax: 316/2 | 264-502          |             | MIL-GUA  |                |           |               | 1        | <b>_</b>      | 1         |        |             |           |          |        |        |   |                | <b>Total Mud Cos</b> |               |                    |
|          |         |            |           |                  |             | PRÉMIU   |                |           |               | 398      |               | 4 T       |        |             |           |          | ·      |        |   |                | Trucking Cost        | t i           |                    |
|          |         |            |           |                  |             | SALT CL  | ΑY             |           |               | 28       |               |           |        |             |           |          |        |        |   |                | Trucking Sure        | harge         | and the second     |
|          | DRIL    | LING N     | IUD RE    | CAP              |             | SAPP     |                |           |               | 1        |               |           |        |             |           |          |        |        |   |                | Taxes                | _             |                    |
|          |         |            |           |                  |             | SODA AS  |                |           |               | 25       |               | •         |        |             |           |          |        |        |   |                |                      | ٠.            | * .                |
|          |         |            |           |                  |             | STARCH   | !              |           |               | 72       |               | 1.        |        |             |           |          |        | - 1    |   |                | TOTAL COS            | T             | ** **              |
|          |         |            |           |                  |             |          |                |           |               |          |               |           |        |             |           |          |        |        |   |                |                      |               |                    |



10244 NE Hwy. 61-P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

## FIELD SERVICE TICKET 1718 04489 A

|                                       | PRESSU      | RE PUI                |   | & WIRELINE   |  | -1201                               |  |  | DATE                              | TICKET NO  |                   |             |           |  |  |
|---------------------------------------|-------------|-----------------------|---|--|--|-------------------------------------|--|--|-----------------------------------|--|-------------------|-------------|-----------|--|--|
| DATE OF JOB S - 4                     | J ?-        | 11                    | DIST  | RICT KANS  | A 5                                      |                                     | WEYL □X                                | OLD. □ F   | PROD IN                           | □ WDW .  | CUSTON<br>ORDER I | IER<br>NO.: |           |  |  |
| CUSTOMER F                            | G 1         | 40/                   |   |  |  |                                     | LEASE Le Rog FARM TRYST 1-3 WELL NO.   |  |                                   |  |                   |             |           |  |  |
| ADDRESS                               |             | •                     |   | -  |  | COUNTY BACTUM 30-19-14 STATE KANSHS |  |  |                                   |  |                   |             |           |  |  |
| CITY                                  |             |                       |   | STATE  | -  | SERVICE CI                          | REW A                                  | llen In  | 1 1105                            | Mc G-  | AL                | J           |           |  |  |
| AUTHORIZED B                          | Υ           |                       |   |  |  |                                     | JOB TYPE:                              | 2/2- 8   | Suc                               | face   |                   | י נה        |           |  |  |
| EQUIPMENT                             | #           | HRS                   | Ì   | EQUIPMENT#   | HRS                                      | EQI                                 | JIPMENT#                               | HAS  | TRUCK CAL                         | ري LED   | DATE AND          | <u> </u>    | TIME      |  |  |
| 78443                                 | PU          |                       |   |  |  |                                     |  |  | ARRIVED AT                        |  | AW<br>PM          | <u> </u>    | 00        |  |  |
|                                       | 841         |                       | -   |  |  |                                     |  | <del>                                     </del> | START OPE                         | RATION   | <b>2</b> 5        |             | 200       |  |  |
| 19826-1                               | 186         | , 1                   | +   |  |  |                                     |  | -  | FINISH OPE                        | RATION   | AM                | 7           |           |  |  |
|                                       |             |                       | +   |  |  |                                     | •                                      | -  | RELEASED                          |  | <del></del>       |             | 200       |  |  |
|                                       |             |                       |   |  |  |                                     |  | <del> </del>                                     | MILES FROM                        | M STATION TO   | MACILIA /         |             | 11/-      |  |  |
| products, and/or sup                  | pplies inc  | orized to<br>cludes a | execu<br>all of an                            | CT CONDITIONS: (The this contract as ar<br>id only those terms ar<br>written consent of an | n agent of the custond conditions appear | omer. A<br>aring on                 | s such, the under<br>the front and bac | rsigned agre<br>k of this do                     | ees and acknow<br>cument. No addi | ledges that this co<br>tional or substitute  | terms and/or co   | onditi      | ons shali |  |  |
| (ITEM/DDICE                           | Г           |                       |   |  |  |                                     |  |  | (WELL OWN                         | ER, OPERATOR,  | CONTRACTOR        |             | AGENT)    |  |  |
| ITEM/PRICE<br>REF. NO.                |             |                       |   | RIAL, EQUIPMEN   |  |                                     | ED                                     | UNIT   | QUANTITY                          | UNIT PRIC  | E   \$ A          | MOU         | UNT<br>—- |  |  |
| CP101                                 | A -         | Co                    | <u>~ /</u>                                    | Blend C  | OMMON                                    | /                                   |  | SK   | 2000                              |  | 1                 |             |           |  |  |
| C PIOU                                | Ca          | m a                   | 7.0-2   | <u> </u>   |  |                                     |  | SK   | 7000                              |  | +                 |             |           |  |  |
|                                       |             |                       | -1  | 11/  |  |                                     |  | 1  | 1                                 | /  | +                 |             |           |  |  |
| CC 109                                | 2           | // /                  |   | Chloria  | 10                                       |                                     |  | 16   | 1/20-                             |  | -                 |             |           |  |  |
| 66200                                 | C 0         |                       |   | Gel  | <i>1</i> <u> </u>                        |                                     |  | 1/2  | 37/                               |  | =                 |             |           |  |  |
|                                       |             | 21.                   | 707   |  |  |                                     |  | 12   |                                   |  | 7                 |             |           |  |  |
| CF 105                                | To          | 20                    | R   | upperc   | concret                                  | A/                                  | 10 5 S.5/S                             | i sa   | / -                               |  | -                 |             |           |  |  |
| CED 53                                |             | . س                   | 7   | 95/8'  | 3140                                     | •                                   | 7076                                   | E11  | 3 -                               |  | -                 |             |           |  |  |
|                                       |             |                       |   |  |  |                                     |  | ļ <u>.</u>                                       |                                   |  |                   |             |           |  |  |
| E100                                  | 411         | 1, 1                  | M   | I/PASE C   | GARGO.                                   | P,                                  | KUp.                                   | m.   | 65                                |  |                   |             |           |  |  |
| 15101                                 | 11          | بمو                   | 4-  | Eglup.   | nileas-                                  | <u> </u>                            |  | m  | / <del>3</del> 5                  |  |                   |             |           |  |  |
| E113                                  | 134         | IK                    | 10  | -41.000g   | Charge                                   |                                     |  | THI  | 1772                              |  |                   |             | ,         |  |  |
| CEZOL                                 | 10-1        | 0+h                   |   | hargesc  | <u> </u>                                 | 2                                   |  | 4-hc   | /                                 |  |                   |             |           |  |  |
| CEDYU                                 | <u> 75/</u> | المصادمة              | ) <u>                                    </u> | f MIKI   | <u>ں ہے جب ہیں۔</u><br>ر                 | <u>/. C e</u>                       | <u>chg</u>                             | SK   | 200                               | · · · · · · · · · · · · · · · · · · ·  |                   |             |           |  |  |
| C/= 504                               |             | 45                    | <u>C 0.</u>                                   | NTAINOY  | 4+1,20                                   | <u> </u>                            | a Chig                                 | 70   |                                   |  |                   |             |           |  |  |
| 5003                                  | <u> </u>    | <u> و در مر ا</u>     | <i>( p</i>                                    | Superu   | 150060                                   | ·s F                                | 8 hes unil                             | 4 2 1  |                                   |  |                   |             |           |  |  |
|                                       |             |                       |   |  | ,  |                                     |  |  |                                   |  |                   |             |           |  |  |
| · · · · · · · · · · · · · · · · · · · |             | 1                     |   |  | _  |                                     |  |  |                                   | SUB TO   |                   |             |           |  |  |
| CHE                                   | MICAL /     | ACID                  | DATA:   |  |  |                                     |  |  | a / 1987 A 1                      | $\mathcal{U}_{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline$ |                   |             |           |  |  |
|                                       |             |                       |   |  |  |                                     | RVICE & EQUII                          | PMENT  |                                   | X ON \$  |                   |             |           |  |  |
|                                       |             |                       |   |  |  | IVIA                                | TERIALO                                |  | 70 1 A.                           | T  |                   |             |           |  |  |
| ·                                     |             |                       |   | <del></del>  | i  |                                     |  | ÷  |                                   | 1  |                   |             |           |  |  |
|                                       |             |                       |   |  |  |                                     |  |  |                                   |  |                   |             |           |  |  |
| SERVICE<br>REPRESENTATIV              | /E /        | 00                    | · · · · · · · · · · · · · · · · · · ·         | f Wast   |  |                                     | RIAL AND SER<br>TOMER AND F            |  | эвү:///                           | .A/1   |                   |             |           |  |  |
|                                       |             | <u> </u>              | /   | - Locate   | ٦  |                                     |  |  | WNÉR ÖPÉRAT                       | OR CONTRAC   |                   |             |           |  |  |



## TREATMENT REPORT

|                 | 87 5               |                    | O 13, 2.1. |             |          |             |               |             |                      |            |                     |              |
|-----------------|--------------------|--------------------|------------|-------------|----------|-------------|---------------|-------------|----------------------|------------|---------------------|--------------|
| Customer        | G HUI              | 1 Cv               | LLC        | ₋ease No.   |          |             |               |             | Date                 |            |                     |              |
| Lease R         |                    |                    | s + \\\    | Vell# /·    | ` } ′    | 2           |               |             | 8.                   | 23-1       | 1                   |              |
| Field Orde      | Station            | PCA                | +1         |             |          | Casing      | Depth         | <u> </u>    | County A             | rton       |                     | State S      |
| Type Job        | 3-5/81.            | ur fac             | <u>e</u>   |             |          |             | Formation T 0 | 850         | ····                 | Legal De   | scription<br>P - 19 | - 14         |
|                 | PE DATA            | PER                | FORATING   | DATA        |          | FLUID (     | JSED          |             | TREA                 | TMENT      | RESUME              |              |
| Casing Size     | Tubing Si          | ze Shots/F         | Ft         | 100         | Aci<br>S | ks 1-       | con           | p 12.       | RATE PRE             | SS         |                     |              |
| Depth           | O Depth            | From               | То         | 200         | Pre      | Pad         | Marca         | Max 70/0    | 90/3                 | 9/0 CC     | . 5 Min. / 3        | 5- #         |
| Volume          | Volume             | From               | То         |             | Pa       | d           |               | Min         |                      |            | 10 Min.             |              |
| Max Press       | → Max Pres         | s<br>From          | То         |             | Fra      | ıc          |               | Avg         |                      |            | 15 Min.             |              |
|                 | ction Annulus \    | /ol.<br>From       | То         |             |          |             |               | HHP Used    |                      |            | Annulus P           | ressure      |
| Plug Depth      | , Packer De        | epth<br>From       | То         |             |          | ام در ا     | 20            | Gas Volum   |                      |            | Total Load          |              |
| Customer F      | lepresentative     | steve              | TP         | Station     | Man      | ager        |               |             | Treater              | Ilow       |                     | ·······      |
| Service Uni     | ts 2 8 4 4 3       | 19889              | 19842      | 198         | 26       | 19880       |               |             |                      |            |                     |              |
| Driver<br>Names | Allen              | Janes              | ANthon     | $M \cdot I$ | ا م      | McGra       | w             |             |                      |            |                     |              |
| Time            | Casing<br>Pressure | Tubing<br>Pressure | Bbls. Pur  | nped        |          | Rate        |               |             | Serv                 | rice Log   | DuKe                | ¥8 ==        |
| 600             | AM                 |                    |            |             |          | · · · · · · | ONLOG         | . Nicc      | 455 50               | fot,       | Setup               | Plan 504     |
| 833             |                    |                    |            |             |          | <del></del> | Start         | BACK        | in 110               | 1c w       | 1 -sho              | ort Trip.    |
| 1930            |                    |                    |            |             |          |             | STACE         | + 8-3/8     | CASI                 | 21         |                     | -            |
| <u></u>         |                    |                    | :          |             |          |             | cent          | 02          | # /-                 | 10         | ) — <del>*</del> /  | <u> </u>     |
| 1200            | pm.                |                    |            |             |          |             | Pipe.         | <u>e 85</u> | 0 H                  | ook 1      | Ptc                 | iR, W/Rig.   |
| <u> 1215</u>    |                    |                    | <u> </u>   |             |          | -           | HOOK          | up 7        | O CM                 | t u        | 10//                |              |
| •               |                    | <u></u>            | 76         |             |          | _ک_         | MIX           | 200         | s/cs                 | A-CO       | on B                | lend @ 12.   |
|                 |                    |                    | 48         |             |          | <u> </u>    | mix           | 200         |                      | COMN       | , H                 | w/           |
|                 |                    | <u>.</u>           |            |             |          |             | 2 %           |             | 3 % c                |            | 4 F C               | ell Flak     |
| ·               |                    |                    |            |             |          |             |               | sh m        |                      |            | ·                   |              |
|                 |                    |                    | <u> </u>   |             |          |             | Relea         | ise To      | p R                  | ubber      | - P                 | 45.          |
| <del></del>     | -                  |                    | <u> </u>   |             |          | 3           | STAC          | + D:        | <u> </u>             |            |                     |              |
| 100             |                    |                    | -5-        | <u> </u>    |          | _3          |               | do          |                      |            |                     | <del> </del> |
|                 | -                  | <u> </u>           |            |             |          |             |               | se in       |                      | <u> </u>   |                     | <del> </del> |
|                 | <del> </del>       |                    | <u> </u>   |             |          |             |               | ose P.      |                      |            |                     |              |
|                 |                    |                    |            |             |          |             | WAS           | hup.        | Pum                  | o TRU      | <u> </u>            |              |
| <del></del>     |                    |                    | ļ          |             |          |             | RACK          | h up        | Pump                 | 1 Peu      | <u> </u>            |              |
| 200             | -                  |                    |            |             |          |             | 106           | <u> </u>    | mple                 | t -o.      | <u>.</u>            |              |
|                 | 1                  |                    |            |             |          | <del></del> | <u> </u>      |             |                      |            | · D.                | <u></u>      |
|                 | 1                  |                    |            |             |          |             | CE            | nent        | CIR                  | · 10       | ) <u> </u>          | <del></del>  |
|                 |                    |                    | ļ .——      |             | •        |             | , /           | <u> </u>    | 1 -                  | - <u>·</u> | A                   | / .          |
| 4.00            | AA NE U            |                    | DO Bow     | 0612        | D.,      | ott KC-G    | than 1        | (s A/       | 10N 3                | MAPS.      | 1620\G              | 72.5392      |
| 102             | 44 NE Hiv          | <i>r</i> ay 61 • ∣ | P.U. BOX   | ठठा उ       |          | att, K5 b   | 7 124-86      | 13 ° (620   | <del>  0/2-</del> 12 | UT Fax     | (020)               | 7 Z-3303     |