

Confidentiality Requested:

Yes No

# KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1145510

Form ACO-1 August 2013 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 🗌 East 🗌 We         |                             |                      |
| Address 2:                        |                   |                      | F6                             | eet from North / Se         | outh Line of Section |
| City: State: Zip:+                |                   |                      | Fe                             | eet from East / W           | lest Line of Section |
| Contact Person:                   |                   |                      | Footages Calculated from       | Nearest Outside Section Cor | rner:                |
| Phone: ()                         |                   |                      | □ NE □ NW                      | V □SE □SW                   |                      |
| CONTRACTOR: License #             |                   |                      | GPS Location: Lat:             | , Long:                     |                      |
| Name:                             |                   |                      |                                | (e.g. xx.xxxxx)             | (e.gxxx.xxxxxx)      |
| Wellsite Geologist:               |                   |                      | Datum: NAD27                   | NAD83 WGS84                 |                      |
| Purchaser:                        |                   |                      | County:                        |                             |                      |
| Designate Type of Completion:     |                   |                      | Lease Name:                    | Well                        | l #:                 |
|                                   | e-Entry           | Workover             | Field Name:                    |                             |                      |
|                                   | _                 | _                    | Producing Formation:           |                             |                      |
| ☐ Oil ☐ WSW ☐ D&A                 | ☐ SWD             | □ SIOW<br>□ SIGW     | Elevation: Ground:             | Kelly Bushing: _            |                      |
| OG                                | GSW               | Temp. Abd.           | Total Vertical Depth:          | Plug Back Total Dep         | oth:                 |
| CM (Coal Bed Methane)             | _ dow             | тетір. дай.          | Amount of Surface Pipe Se      | et and Cemented at:         | Feet                 |
| Cathodic Other (Con               | re, Expl., etc.): |                      | Multiple Stage Cementing       | Collar Used? Yes N          | No                   |
| If Workover/Re-entry: Old Well In |                   |                      | If yes, show depth set:        |                             | Feet                 |
| Operator:                         |                   |                      | If Alternate II completion, of | cement circulated from:     |                      |
| Well Name:                        |                   |                      | feet depth to:                 | w/                          | sx cmt.              |
| Original Comp. Date:              | Original T        | otal Depth:          |                                |                             |                      |
| Deepening Re-perf.                | Conv. to E        | NHR Conv. to SWD     | Drilling Fluid Managemer       | nt Plan                     |                      |
| ☐ Plug Back                       | Conv. to G        | SW Conv. to Producer | (Data must be collected from t |                             |                      |
| Commingled                        | Dormit #          |                      | Chloride content:              | ppm Fluid volume: _         | bbls                 |
| Dual Completion                   |                   |                      | Dewatering method used:        |                             |                      |
| SWD                               |                   |                      | Location of fluid disposal if  | i hauled offsite:           |                      |
| ☐ ENHR                            |                   |                      | Loodiion of haid diopodal in   | nation office.              |                      |
| GSW                               | Permit #:         |                      | Operator Name:                 |                             |                      |
| _ <del>_</del>                    |                   |                      |                                | License #:                  |                      |
| Spud Date or Date Re              | ached TD          | Completion Date or   | Quarter Sec                    | TwpS. R                     |                      |
| Recompletion Date                 |                   | Recompletion Date    | County:                        | Permit #:                   |                      |

#### **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          |  |  |  |  |  |  |
|------------------------------|--|--|--|--|--|--|
| Confidentiality Requested    |  |  |  |  |  |  |
| Date:                        |  |  |  |  |  |  |
| Confidential Release Date:   |  |  |  |  |  |  |
| Wireline Log Received        |  |  |  |  |  |  |
| Geologist Report Received    |  |  |  |  |  |  |
| UIC Distribution             |  |  |  |  |  |  |
| ALT I III Approved by: Date: |  |  |  |  |  |  |

Page Two



| Operator Name:   |  |                                 |                                  | Lease N                     | Name: _                |                                     |                           | Well #:           |                         |           |
|--|--|---------------------------------|----------------------------------|-----------------------------|------------------------|-------------------------------------|---------------------------|-------------------|-------------------------|-----------|
| Sec Twp  | S. R   | East                            | West                             | County                      | :                      |                                     |                           |                   |                         |           |
| INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to | ring and shut-in pres<br>o surface test, along | sures, whethe<br>with final cha | er shut-in pre<br>art(s). Attach | essure reac<br>n extra shee | hed stati<br>t if more | c level, hydrosta<br>space is neede | itic pressures, bot<br>d. | tom hole temp     | erature, fluid re       | ecovery,  |
| Final Radioactivity Lo files must be submitte                  |  |                                 |                                  |                             |                        | ogs must be ema                     | ailed to kcc-well-lo      | gs@kcc.ks.go      | v. Digital electr       | ronic log |
| Drill Stem Tests Taker<br>(Attach Additional                   |  | Yes                             | ☐ No                             |                             |                        |                                     | on (Top), Depth ar        |                   | Sampl                   |           |
| Samples Sent to Geo  | logical Survey                                 | Yes                             | □No                              |                             | Nam                    | е                                   |                           | Тор               | Datum                   | 1         |
| Cores Taken<br>Electric Log Run                                |  | ☐ Yes<br>☐ Yes                  | ☐ No<br>☐ No                     |                             |                        |                                     |                           |                   |                         |           |
| List All E. Logs Run:  |  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
|  |  |                                 |                                  | RECORD                      | Ne                     |                                     |                           |                   |                         |           |
|  | 2  | 1                               |                                  |                             |                        | ermediate, product                  |                           | T                 | I                       |           |
| Purpose of String  | Size Hole<br>Drilled                           |                                 | Casing<br>n O.D.)                | Weig<br>Lbs. /              |                        | Setting<br>Depth                    | Type of<br>Cement         | # Sacks<br>Used   | Type and Pe<br>Additive |           |
|  |  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
|  |  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
|  |  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
|  |  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
|  |  |                                 | ADDITIONAL                       | CEMENTIN                    | NG / SQL               | JEEZE RECORD                        |                           |                   |                         |           |
| Purpose:   | Depth<br>Top Bottom                            | Type of                         | Cement                           | # Sacks                     | Used                   |                                     | Type and F                | ercent Additives  |                         |           |
| Perforate Protect Casing                                       | 100 20111111                                   |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
| Plug Back TD<br>Plug Off Zone                                  |  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
| 1 lug 0 li 20 lio  |  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
| Did you perform a hydrau                                       | ulic fracturing treatment                      | on this well?                   |                                  |                             |                        | Yes                                 | No (If No, ski            | ip questions 2 ar | nd 3)                   |           |
| Does the volume of the t                                       |  |                                 |                                  |                             |                        |                                     | = :                       | p question 3)     |                         |           |
| Was the hydraulic fractur                                      | ring treatment information                     | on submitted to                 | the chemical                     | disclosure re               | gistry?                | Yes                                 | No (If No, fill           | out Page Three    | of the ACO-1)           |           |
| Shots Per Foot   |  | ION RECORD<br>Footage of Eac    |                                  |                             |                        |                                     | cture, Shot, Cement       |                   |                         | epth      |
|  | open,  |                                 |                                  |                             |                        | ,,                                  |                           |                   |                         |           |
|  |  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
|  |  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
|  |  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
|  |  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
|  |  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
| TUBING RECORD:   | Size:  | Set At:                         |                                  | Packer A                    | t:                     | Liner Run:                          |                           |                   |                         |           |
|  |  |                                 |                                  |                             |                        |                                     | Yes No                    |                   |                         |           |
| Date of First, Resumed   | Production, SWD or Ef                          | NHR.   F                        | Producing Met                    | hod:<br>Pumpin              | a $\square$            | Gas Lift 0                          | Other (Explain)           |                   |                         |           |
| Estimated Production<br>Per 24 Hours                           | Oil  | Bbls.                           | Gas                              | Mcf                         | Wat                    |                                     |                           | Gas-Oil Ratio     | Gra                     | avity     |
|  | 1  |                                 |                                  |                             |                        |                                     |                           |                   |                         |           |
|  | ON OF GAS:                                     |                                 | en Hole                          | METHOD OF                   |                        |                                     | mmingled                  | PRODUCTION        | ON INTERVAL:            | ļ         |
| Vented Solo  | I Used on Lease bmit ACO-18.)                  |                                 | en noie _                        | Perf.                       | (Submit                |                                     | mmingled<br>mit ACO-4)    |                   |                         |           |

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



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

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

June 05, 2013

Leah Kasten CMX, Inc. 1700 N WATERFRONT PKWY Bldg 300B WICHITA, KS 67206

Re: ACO1 API 15-047-21617-00-00 Bornholdt 1 NE/4 Sec.06-24S-19W Edwards 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, Leah Kasten



CMX INC

6-24-19 Edwards Co

1700N WaterFront PKWY

Bornholdt #1

Bldg 300 B

Job Ticket: 50945 DST#: 1

ATTN: Leah Kasten

Test Start: 2013.03.31 @ 00:20:15

# GENERAL INFORMATION:

Formation: Mississippi

Deviated: Whipstock: No ft (KB)

Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 07:13:15 Tester: Chris Staats 47

Time Test Ended: 13:17:30 Unit No:

Interval: 4510.00 ft (KB) To 4552.00 ft (KB) (TVD) Reference Elevations: 2202.00 ft (KB)

Total Depth: 4552.00 ft (KB) (TVD) 2189.00 ft (CF) Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 13.00 ft

Serial #: 6755 Inside

Press@RunDepth: 4511.00 ft (KB) 56.48 psig @ Capacity: 8000.00 psig

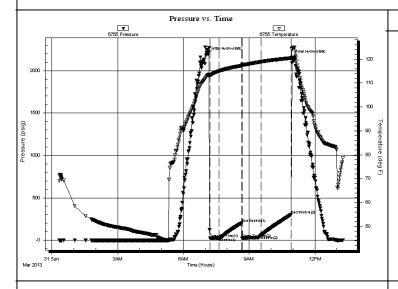
Start Date: 2013.03.31 End Date: 2013.03.31 Last Calib.: 2013.03.31 Start Time: 00:20:20 End Time: 2013.03.31 @ 07:07:30 13:17:30 Time On Btm: Time Off Btm: 2013.03.31 @ 10:57:15

TEST COMMENT: IF: Strong blow BOB 2 min

ISI: No blow back

FF: Strong blow BOB 5 sec

FSI: No blow back



# PRESSURE SUMMARY

| Time   | Pressure | Temp    | Annotation           |
|--------|----------|---------|----------------------|
| (Min.) | (psig)   | (deg F) |                      |
| 0      | 2190.58  | 113.32  | Initial Hydro-static |
| 6      | 25.56    | 113.33  | Open To Flow (1)     |
| 30     | 28.53    | 114.98  | Shut-In(1)           |
| 92     | 200.37   | 117.21  | End Shut-In(1)       |
| 94     | 25.24    | 117.69  | Open To Flow (2)     |
| 145    | 56.48    | 118.88  | Shut-In(2)           |
| 228    | 302.62   | 120.44  | End Shut-In(2)       |
| 230    | 2159.31  | 124.24  | Final Hydro-static   |
|        |          |         |                      |

### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 30.00       | MUD         | 0.15         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

#### Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Printed: 2013.03.31 @ 23:24:17 Trilobite Testing, Inc. Ref. No: 50945



**FLUID SUMMARY** 

DST#: 1

CMX INC

6-24-19 Edwards Co

1700N WaterFront PKWY

Bldg 300 B

ATTN: Leah Kasten

Bornholdt #1

Serial #:

Job Ticket: 50945

Test Start: 2013.03.31 @ 00:20:15

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: deg API Water Salinity: ppm

Mud Weight: Cushion Length: 9.00 lb/gal ft Viscosity: 57.00 sec/qt Cushion Volume: bbl

7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 4200.00 ppm Filter Cake: 0.02 inches

### **Recovery Information**

Water Loss:

# Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 30.00        | MUD         | 0.148         |

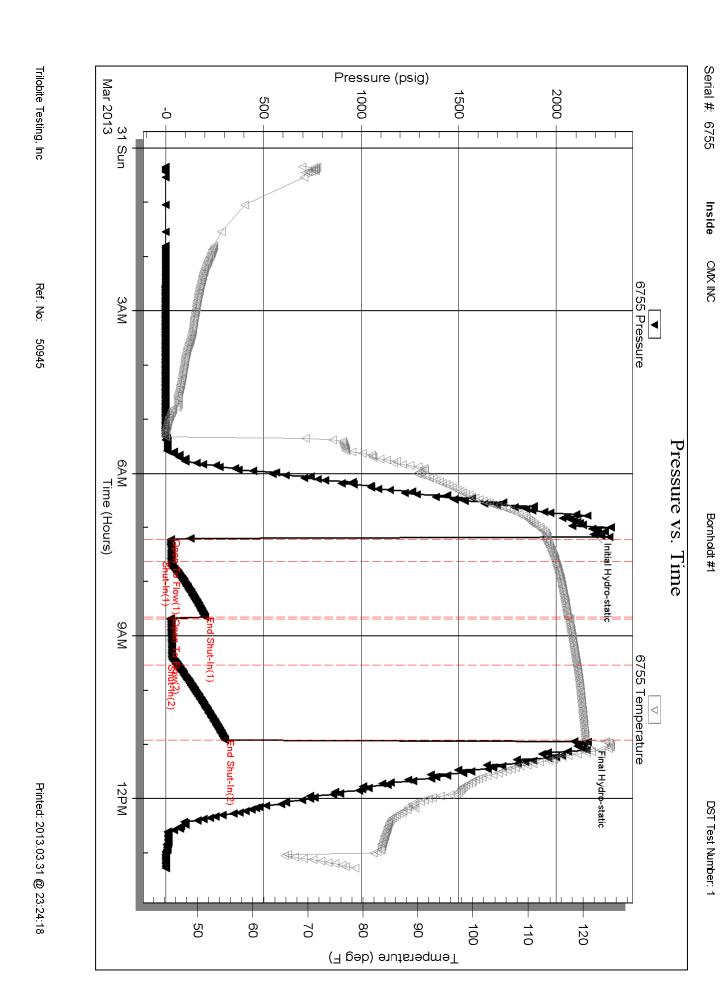
30.00 ft Total Volume: 0.148 bbl Total Length:

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Printed: 2013.03.31 @ 23:24:18 Trilobite Testing, Inc Ref. No: 50945





CMX INC

6-24-19 Edwards Co

1700N WaterFront PKWY

ATTN: Leah Kasten

Bldg 300 B

blug 300 b

Bornholdt #1

Job Ticket: 50946

b Ticket: 50946 **DST#: 2** 

Test Start: 2013.03.31 @ 19:40:29

# **GENERAL INFORMATION:**

Formation: Mississippi

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 23:03:44 Tester: Chris Staats

Time Test Ended: 05:47:44 Unit No: 47

Interval: 4509.00 ft (KB) To 4562.00 ft (KB) (TVD) Reference Elevations: 2202.00 ft (KB)

Total Depth: 4562.00 ft (KB) (TVD) 2189.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 13.00 ft

Serial #: 6755 Inside

Press@RunDepth: 117.82 psig @ 4510.00 ft (KB) Capacity: 8000.00 psig

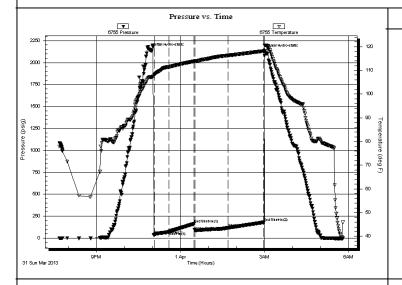
 Start Date:
 2013.03.31
 End Date:
 2013.04.01
 Last Calib.:
 2013.04.01

 Start Time:
 19:40:34
 End Time:
 05:47:44
 Time On Btm:
 2013.03.31 @ 22:54:29

 Time Off Btm:
 2013.04.01 @ 03:00:29

TEST COMMENT: IF: Fair blow 4 1/4 "

ISI: No blow back FF: Weak blow 2" FSI: No blow back



# PRESSURE SUMMARY me Pressure Temp Annotation

| lime   | Pressure | lemp    | Annotation           |
|--------|----------|---------|----------------------|
| (Min.) | (psig)   | (deg F) |                      |
| 0      | 2140.35  | 107.11  | Initial Hydro-static |
| 10     | 40.69    | 107.93  | Open To Flow (1)     |
| 41     | 73.39    | 111.39  | Shut-In(1)           |
| 95     | 164.63   | 113.82  | End Shut-In(1)       |
| 97     | 88.00    | 113.89  | Open To Flow (2)     |
| 167    | 117.82   | 116.24  | Shut-In(2)           |
| 244    | 180.86   | 118.13  | End Shut-In(2)       |
| 246    | 2129.03  | 120.57  | Final Hydro-static   |
|        |          |         |                      |
|        |          |         |                      |

### Recovery

| Length (ft)                    | Description      | Volume (bbl) |  |  |
|--------------------------------|------------------|--------------|--|--|
| 185.00                         | O,M 1%oil 99%mud | 0.91         |  |  |
|                                |                  |              |  |  |
|                                |                  |              |  |  |
|                                |                  |              |  |  |
|                                |                  |              |  |  |
|                                |                  |              |  |  |
| * Recovery from multiple tests |                  |              |  |  |

#### Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 50946 Printed: 2013.04.01 @ 06:32:03



**FLUID SUMMARY** 

ppm

CMX INC 6-24-19 Edwards Co

1700N WaterFront PKWY

Bldg 300 B

Bornholdt #1 Job Ticket: 50946

DST#: 2

ATTN: Leah Kasten Test Start: 2013.03.31 @ 19:40:29

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: deg API Water Salinity:

Mud Weight: Cushion Length: 9.00 lb/gal ft Viscosity: 75.00 sec/qt Cushion Volume: bbl

Water Loss: 11.78 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 7000.00 ppm Filter Cake: 0.02 inches

### **Recovery Information**

# Recovery Table

| Length<br>ft | Description      | Volume<br>bbl |
|--------------|------------------|---------------|
| 185.00       | O.M 1%oil 99%mud | 0.910         |

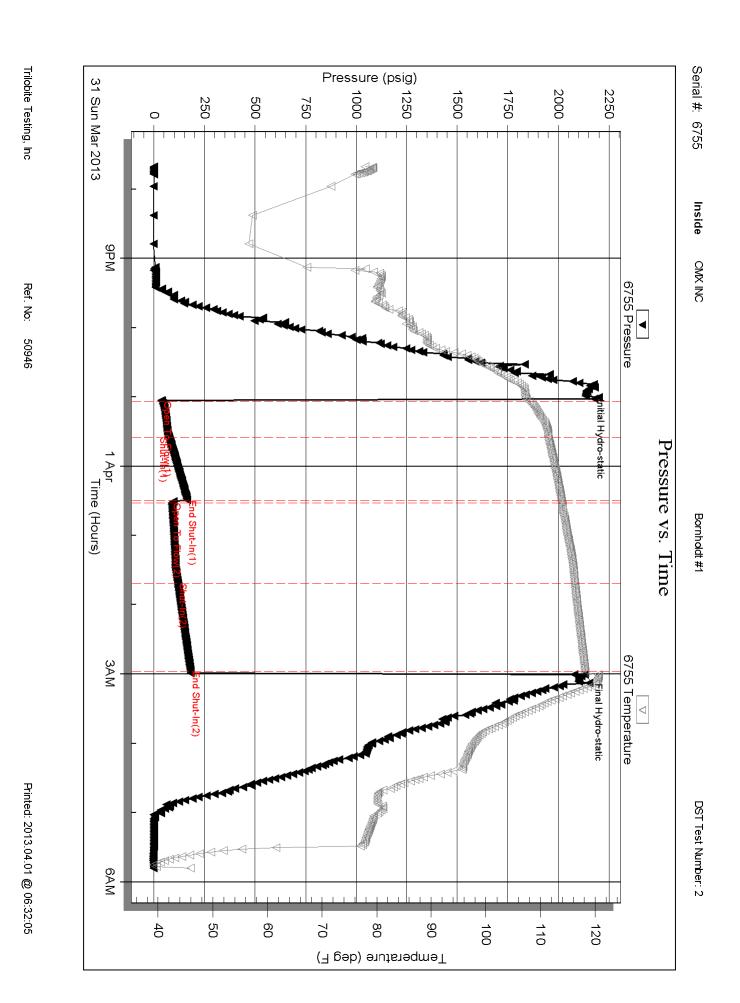
Total Volume: Total Length: 185.00 ft 0.910 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Printed: 2013.04.01 @ 06:32:05 Trilobite Testing, Inc Ref. No: 50946





CMX INC

6-24-19 Edwards Co

1700N WaterFront PKWY

Bornholdt #1

Bldg 300 B

Job Ticket: 50947

DST#: 3

ATTN: Leah Kasten

Test Start: 2013.04.01 @ 13:45:44

# GENERAL INFORMATION:

Formation: Mississippi

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Reset) No ft (KB)

Time Tool Opened: 16:23:29 Time Test Ended: 23:10:14

Interval:

Tester: Chris Staats

Unit No:

2202.00 ft (KB)

13.00 ft

4551.00 ft (KB) To 4578.00 ft (KB) (TVD) Total Depth: 4578.00 ft (KB) (TVD)

Reference Elevations:

2189.00 ft (CF)

Hole Diameter:

KB to GR/CF:

7.88 inches Hole Condition: Fair

Serial #: 6773 Outside

Press@RunDepth: 210.55 psig @ 4552.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date: 2013.04.01 Start Time: 13:45:49 End Date: 2013.04.01 23:10:14

Time On Btm:

2013.04.01 @ 16:21:44

2013.04.01

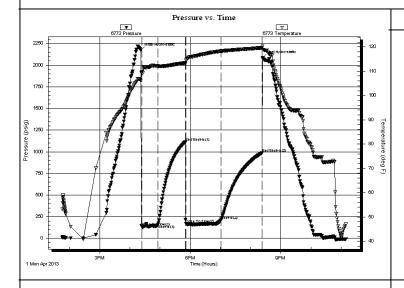
End Time:

Time Off Btm:

2013.04.01 @ 20:23:59

TEST COMMENT: IF: Fair blow 4 1/4"

ISI: No blow back FF: Weak blow 3 1/2" FSI: No blow back



# PRESSURE SUMMARY

| lime   | Pressure | ıemp    | Annotation           |
|--------|----------|---------|----------------------|
| (Min.) | (psig)   | (deg F) |                      |
| 0      | 2170.64  | 106.05  | Initial Hydro-static |
| 2      | 137.30   | 109.52  | Open To Flow (1)     |
| 35     | 157.10   | 112.06  | Shut-In(1)           |
| 89     | 1110.83  | 113.39  | End Shut-In(1)       |
| 90     | 168.72   | 114.48  | Open To Flow (2)     |
| 160    | 210.55   | 118.28  | Shut-In(2)           |
| 241    | 985.71   | 119.61  | End Shut-In(2)       |
| 243    | 2083.77  | 120.25  | Final Hydro-static   |
|        |          |         |                      |
|        |          |         |                      |

### Recovery

| Length (ft)                    | Description           | Volume (bbl) |  |  |  |
|--------------------------------|-----------------------|--------------|--|--|--|
| 0.00                           | 240 GIP               | 0.00         |  |  |  |
| 120.00                         | M,W 40%mud 60% water  | 0.59         |  |  |  |
| 60.00                          | W,M 40%w ater 60% mud | 0.30         |  |  |  |
| 20.00 MUD                      |                       | 0.23         |  |  |  |
|                                |                       |              |  |  |  |
|                                |                       |              |  |  |  |
| * Recovery from multiple tests |                       |              |  |  |  |

#### Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 50947 Printed: 2013.04.02 @ 05:57:28



**FLUID SUMMARY** 

CMX INC

1700N WaterFront PKWY

Bldg 300 B

Bornholdt #1

Job Ticket: 50947

6-24-19 Edwards Co

DST#: 3

ATTN: Leah Kasten Test Start: 2013.04.01 @ 13:45:44

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Viscosity: 50.00 sec/qt Cushion Volume: bbl

Water Loss: 10.79 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 11000.00 ppm Filter Cake: 0.02 inches

# **Recovery Information**

### Recovery Table

| Length<br>ft | Description           | Volume<br>bbl |
|--------------|-----------------------|---------------|
| 0.00         | 240 GIP               | 0.000         |
| 120.00       | M,W 40%mud 60% water  | 0.590         |
| 60.00        | W,M 40%w ater 60% mud | 0.295         |
| 20.00        | MUD                   | 0.235         |

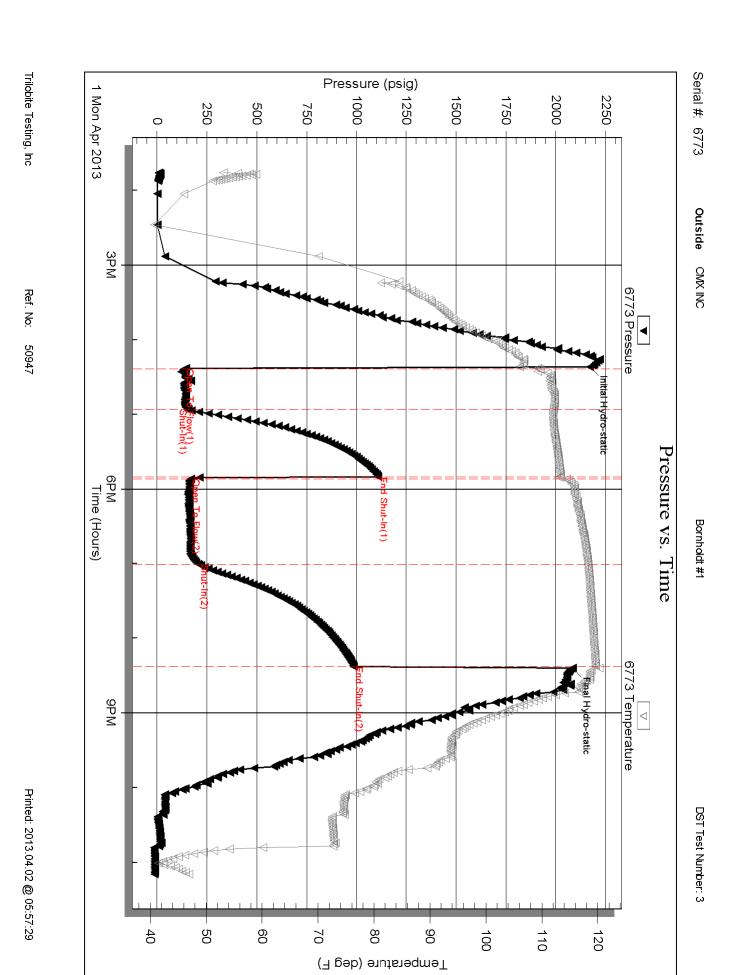
Total Length: 200.00 ft Total Volume: 1.120 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 50947 Printed: 2013.04.02 @ 05:57:29





PO Box 93999 Southlake, TX 76092

Voice: Fax: (817) 546-7282 (817) 246-3361

BIII To

CMX, Inc. 1700 N Waterfront Parkway

Bldg 300, Suite B Wichita, KS 67206

# INVOICE

Invoice Number: 135605

Invoice Date: Apr 4, 2013

Page: 1

Now Includes:



| ≟ Customer ID | Field-Ticket# | Paymen       | Terms // // |
|---------------|---------------|--------------|-------------|
| CMX           | 60387         | Net 30       | Days        |
| Job Location  | Camp Location | Service Date | Due Date    |
| KS1-03        | Great Bend    | Apr 4, 2013  | 5/4/13      |

| Quantity                    | iltem 12/2                              | Description #         | Unit Price | /Amount  |
|-----------------------------|---|-----------------------|------------|----------|
| CANADA SEGURIOR DE MASSERSI | C. Stratoverger of Sect 1 Section 1 Sec | Bomholdt #1           |            |          |
| 156.00                      | MAT                                     | Class A Common        | 17.90      | 2,792.40 |
| 104.00                      | MAT                                     | Pozmix                | 9.35       | 972.40   |
| 9.00                        | MAT                                     | Gel                   | 23.40      | 210.60   |
| 65.00                       | MAT                                     | Flo Seal              | 2.97       | 193.05   |
| 279.24                      | SER                                     | Cubic Feet            | 2.48       | l        |
| 408.10                      | SER                                     | Ton Mileage           | 2.60       | 1,061.06 |
| 1.00                        | SER                                     | Rotary Plug           | 2,810.84   | 2,810.84 |
| 35.00                       | SER                                     | Pump Truck Mileage    | 7.70       | 269.50   |
| 35.00                       | SER                                     | Light Vehicle Mileage | 4.40       | 154.00   |
| 1.00                        | CEMENTER                                | Tim Dickson           |            |          |
| 1.00                        | EQUIP OPER                              | Mike Scothorn         |            |          |
| 1.00                        | OPER ASSIST                             | Kevin Weighous        |            |          |
|                             |   |                       |            | ļ        |
|                             |   |                       |            |          |
|                             |   |                       | ļ          |          |
|                             |   |                       |            |          |
|                             |   |                       |            |          |
|                             |   |                       |            |          |
|                             |   |                       | 1          |          |
|                             | <u> </u>                                |                       |            |          |
|                             |   |                       |            |          |
|                             | ·                                       |                       |            | 0 156 27 |

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 11/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF



ONLY IF PAID ON OR BEFORE

| Subtotal               | 9,156.37 |
|------------------------|----------|
| Sales Tax              | 668.42   |
| Total Invoice Amount   | 9,824.79 |
| Payment/Credit Applied |          |
| TOTAL                  | 9 824 79 |

7,26121

# ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092

| -0; E=4          | 060387  |
|------------------|---|
|                  | DINT:<br>ext Pland Kn                               |
| COUNT            | ART JOB FINISH<br>DAW JO'S PM.<br>Y STATE<br>ARY PS |
|                  | <del></del>   |
| 260 sh. 60       | 40 42 sel   |
| @ <u>_2</u><br>@ | 7.90 2/79240<br>1.35 972.40<br>3.40 210:40          |
| ര                |   |

| DATE 4-4-13  | SEC  | TWP<br>24   | RANGE  | CALLED OUT   | JUNILU<br>101                              | CATION<br>5AM                                | JOB START                             | JOB FINISH                  |
|--|--|---|--|--|--|--|---------------------------------------|-----------------------------|
| LEASE LEASE  | WELL#  | 1   | LOCATION Kin   | elegy lower  |  | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1     | COUNTY                                | STATE                       |
| OLD OR NEW C   | ircle one)   | <del></del>   | 14 Eat,  | ~ 2/3  |  |  | Editordi.                             | [ FS                        |
| CONTRACTOR.  | # of u   | 7   |  |  |  |  | J                                     |                             |
| TYPE OF JOB 12   |  | مينا  | <del> ·</del>  | OWNER -  | <u> 50~~</u>                               | <u>.                                    </u> |                                       | <del></del>                 |
| HOLE SIZE 77   |  |   | 503  | CEN GENERAL  |  |  |                                       |                             |
| CASING SIZE  | 0  | DEP   |  | _ CEMENT   |  | ന് ക   | . 1D6.                                | 4:9 = 0                     |
| TUBING SIZE  |  | DEP   |  | AMOUNT OF  | RIGERED                                    | ZX. <b>9</b> (2)                             | 2~~~/40_                              | JONEY.                      |
| DRILL PIPE 4%  |  |   | TH 시약70  | 4#5200   | 276-50                                     | 702 Nr                                       | <del></del>                           |                             |
| TOOL   | ·  | DEP   |  | <del></del>  | ·  |  |                                       |                             |
| PRES. MAX  |  |   | IMUM   | _ COMMON_  | 154  |  |                                       |                             |
| MEAS. LINE   | · · · · · · · · · · · · · · · · · · ·  |   | EJOINT   | POZMIX   |  |  | _@_ <i>_17.90</i>                     |                             |
| CEMENT LEFT IN   | CSG.   |   | <u>DJOHNI</u>  | GEL  | 104  |  | @ <u>9.35</u>                         | 972.40                      |
| PERFS.   |  |   |  | CHLORIDE_  |  |  | _@_ <i>23.40</i>                      | <u> 210.60</u>              |
| DISPLACEMENT   |  |   |  | _ ASC  |  |  | _@ <del></del> _                      |                             |
|  |  | PMENT   |  | Flosea   | 1.   | 5  |                                       | 10:2 25                     |
|  | EQUI   | LIAYYZIA F  |  |  |  | <del></del>                                  | - <b>@-</b> -∕&-×У/<br>@              | 193.05                      |
|  |  |   | , ,  |  |  |  | ~                                     |                             |
| PUMPTRUCK  | CEMENTE  |   | - Dirkin   |  | <del></del>                                | •  |                                       | <del></del>                 |
|  | HELPER   | <u> </u>  | s Scatlor  |  | <del></del>                                |  | - <u>" — —</u> —                      |                             |
| BULK TRUCK   |  | 11 0  | 4.5  | <del></del>  |  |  | -@ <i></i>                            | <del></del>                 |
|  | DRIVER   | Kenn  | - weighten   | <del></del> -  |  |  | - <b>~ —</b> ——                       |                             |
| BULK TRUCK   |  |   | •  | ·  |  |  | - @ ———                               |                             |
| #  | DRIVER   |   |  | - HANDLING   | 2.79.                                      | 24   |                                       | 1092.52                     |
|  |  |   |  | MILEAGE_   |  |  | 0 200                                 | 1061-06                     |
|  | REM  | IARKS:  |  |  |  | ,,,,,,                                       |                                       | 5,922.03                    |
| Soul e   |  |   |  |  |  |  | IOIAL                                 | 2192203                     |
|  | 1340<br>1370   |   |  | <del>_</del>   |  |  |                                       |                             |
| 2017 6   | 720  |   |  | <del></del>  |  | SERVI  | CE                                    |                             |
|  |  |   | -  |  |  |  | · · · · · · · · · · · · · · · · · · · |                             |
|  |  |   |  |  |  |  |                                       |                             |
| (40) 24m. 6  | 420  |   |  | DEPTH OF JO  |  |  |                                       |                             |
| 30 2 N D   | 225 ° 3 ° 4900   |   |  | PUMPTRUCI  | CHÁR                                       | GE   | 28                                    | 10.84                       |
| 3 Duly De P  | <u>278 275</u>   |   |  | PUMP TRUC! EXTRA FOOT  | CHÁR<br>AGE_                               | GE   | _@                                    | ,10.84                      |
| 3 Duly De P  | 20°  | ę   | -9-0   | _ PUMP TRUCI _ EXTRA FOOT _ MILEAGE _                          | CHÁR<br>TAGE                               | GE   | _@<br>_@                              | 10.84                       |
| 3 Duly De P  | <u>278 275</u>   | ę   |  | PUMP TRUC! EXTRA FOOT  | CHÁR<br>FAGE                               | GE   | _@<br>_@                              |                             |
| 3 Duly De P  | <u>278 275</u>   | 8   | Throby   | _ PUMP TRUCI _ EXTRA FOOT _ MILEAGE _                          | CHÁR<br>TAGE                               | GE35   | _@<br>_@<br>_@                        | 269.50                      |
| A L. Short   | po,  | 2   | Total .  | _ PUMP TRUCI _ EXTRA FOOT _ MILEAGE _                          | CHÁR<br>FAGE                               | GE   | _@<br>_@<br>_@                        |                             |
| A L. Short   | po,  | 2   | Throby   | _ PUMP TRUCI _ EXTRA FOOT _ MILEAGE _                          | CHÁR<br>TAGE                               | GE35   | @<br>@<br>@ 7.70<br>@ 4.40            | 269.50<br>154.00            |
| CHARGE TO:   | po,  | 8   | The sale   | _ PUMP TRUCI _ EXTRA FOOT _ MILEAGE _                          | CHÁR<br>TAGE                               | GE35   | @<br>@<br>@ 7.70<br>@ 4.40            | 269.50<br>154.00            |
| CHARGE TO:   | to strole  |   | Thomas   | _ PUMP TRUCI _ EXTRA FOOT _ MILEAGE _                          | CHÁR<br>TAGE                               | GE35   | @<br>@<br>@ 7.70<br>@ 4.40            | 269.50<br>154.00            |
| CHARGE TO:   | to strole  |   | ZIP  | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁR<br>TAGE                               | 35<br>35                                     | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO:   | to strole  |   | ZIP_   | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁR<br>FAGE                               | 35<br>35                                     | @<br>@<br>@ 7.70<br>@ 4.40            | 269.50<br>154.00<br>3234.34 |
| CHARGE TO:   | to strole  |   | ZIP_   | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁR<br>FAGE                               | 35<br>35                                     | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO:   | to strole  |   | ZIP_   | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁR<br>FAGE                               | 35<br>35                                     | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO:   | to strole  |   | ZIP_   | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁR<br>FAGE                               | 35<br>35                                     | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO: CITY  | Jo The Land Land Land Land Land Land Land Land   | TE  | ZIP_   | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁR<br>FAGE                               | 35<br>35                                     | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO: CITY  To: Allied Oil &  | , M. X  Gas Service  | TEes, LLC.  |  | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁR<br>FAGE                               | 35<br>35                                     | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO: CITY  To: Allied Oil & You are hereby re  | MX STA   | TEes, LLC.  | enting equipment   | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁR<br>FAGE                               | 35<br>35                                     | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO:  STREET  CITY  To: Allied Oil & O                 | Gas Service equested to neer and he  | es, LLC. rent cemu  | enting equipment<br>assist owner or  | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁR<br>FAGE                               | 35<br>35                                     | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO:  To: Allied Oil & You are hereby re and furnish cemer contractor to do w  | Gas Service quested to nter and he vork as is li   | es, LLC. rent ceme  | enting equipment<br>assist owner or<br>e above work was  | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁR<br>FAGE                               | 35<br>35                                     | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO:  CHARGE TO:  STREET  CITY  To: Allied Oil & | Gas Service equested to neer and he work as is lie on and supe   | es, LLC. rent ceme liper(s) to isted. The                               | enting equipment<br>assist owner or<br>e above work was<br>f owner agent or                                      | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁR<br>FAGE                               | 35<br>35                                     | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO:  STREET  CITY  To: Allied Oil & You are hereby re and furnish cemer contractor to do we done to satisfaction contractor. I have   | Gas Service quested to nter and he work as is lied on and super eread and the service read an | es, LLC. rent ceme liper(s) to isted. The                               | enting equipment<br>assist owner or<br>a above work was<br>f owner agent or<br>d the "GENERAI                    | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁR<br>FAGE<br>HVM<br>LVM<br>PLUG 8       | 35<br>35                                     | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO:  To: Allied Oil & You are hereby re and furnish cemer contractor to do w  | Gas Service quested to nter and he work as is lied on and super eread and the service read an | es, LLC. rent ceme liper(s) to isted. The                               | enting equipment<br>assist owner or<br>a above work was<br>f owner agent or<br>d the "GENERAI                    | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD  SALES TAX (            | CHÁRITAGE HV M LV M PLUG 8                 | 35<br>35<br>35                               | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO:  STREET  CITY  To: Allied Oil & You are hereby re and furnish cemer contractor to do we done to satisfaction contractor. I have   | Gas Service quested to neter and he work as is liber and super the company of the | es, LLC. rent cemelper(s) to isted. The crvision o understan (S" listed | enting equipment<br>assist owner or<br>above work was<br>fowner agent or<br>d the "GENERAI<br>on the reverse sid | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD                         | CHÁRITAGE HV M LV M PLUG 8                 | 35<br>35<br>35                               | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO:  STREET  CITY  To: Allied Oil & You are hereby re and furnish cemer contractor to do we done to satisfaction contractor. I have TERMS AND CO  | Gas Service quested to neer and he work as is little to read and to DNDITION   | es, LLC. rent ceme liper(s) to isted. The                               | enting equipment<br>assist owner or<br>above work was<br>fowner agent or<br>d the "GENERAI<br>on the reverse sid | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD  SALES TAX ( TOTAL CHAR | CHÁRITAGE  HV M  LVM  PLUG 8  If Any)  GGS | 35<br>35<br>35<br>2FLOAT                     | @                                     | 269.50<br>154.00<br>3234.34 |
| CHARGE TO:  STREET  CITY  To: Allied Oil & You are hereby re and furnish cemer contractor to do we done to satisfaction contractor. I have   | Gas Service quested to neer and he work as is little to read and to DNDITION   | es, LLC. rent cemelper(s) to isted. The crvision o understan (S" listed | enting equipment<br>assist owner or<br>above work was<br>fowner agent or<br>d the "GENERAI<br>on the reverse sid | PUMP TRUCI EXTRA FOOT MILEAGE MANIFOLD  SALES TAX (            | CHÁR<br>FAGE                               | 35<br>35<br>35<br>2FLOAT                     | @ 7.70 @ 7.70 TOTAL PEQUIPMEN  @      | 269.50<br>154.00<br>3234.34 |



PO Box 93999 Southlake, TX 76092

Voice:

(817) 546-7282 (817) 246-3361

BIII To:

CMX, Inc. 1700 N Waterfront Parkway

Bidg 300, Suite B Wichita, KS 67206

# **INVOICE**

Invoice Number: 135478

Invoice Date: Mar 24, 2013

Page:

1

Now includes:



| Gustomer ID         | Ejeldstjcket# | Paymen       | t-Terms : |
|---------------------|---------------|--------------|-----------|
| CMX                 | 60365         | Net 30       | Days      |
| Job Location 30 1 1 | Camp Location | Service Date | Due Date  |
| KS1-01              | Great Bend    | Mar 24, 2013 | 4/23/13   |

| Quantity = | i item 🤄 👾 🤄 | Description           | Unit Price | ### Amount |
|------------|--------------|-----------------------|------------|------------|
|            |              | Bornholdt #1          |            | •          |
| 250.00     | MAT          | Class A Common        | 17.90      | 4,475.00   |
| 5.00       | MAT          | Gel                   | 23.40      | 117.00     |
| 9.00       | MAT          | Chloride              | 64.00      | 576.00     |
| 271.00     | SER          | Cubic Feet            | 2,48       | 672.08     |
| 434.00     | SER          | Ton Mileage           | 2.60       | 1,128.40   |
| 1.00       | SER          | Surface               | 1,512.25   | 1,512.25   |
| 35.00      | SER          | Pump Truck Mileage    | 7.70       | 269.50     |
| 35.00      | SER          | Light Vehicle Mileage | 4.40       | 154.00     |
| 1.00       | SER          | Head Rental           | 275.00     | 275.00     |
| . 1.00     | EQP          | 8.5/8 Wooden Plug     | 107.64     | 107.64     |
| 1.00       | CEMENTER     | Charles Elkins        |            |            |
| 1.00       | CEMENTER     | Patrick Helgerson     |            |            |
| 1.00       | EQUIP OPER   | Kevin Eddy            |            |            |
| 1.00       | OPER ASSIST  | Kevin Weighous        |            |            |
|            |              |                       |            |            |
|            | •            |                       |            |            |
|            |              |                       |            |            |
| 1          |              |                       |            |            |
|            |              |                       | ļ          |            |
|            |              |                       | 1          | <u> </u>   |
|            |              |                       | <u> </u>   |            |
|            |              | Culti-t-1             |            | 0.286.97   |

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF



ONLY IF PAID ON OR BEFORE
April 8, 2013

| Subtotal               | 9,286.87 |
|------------------------|----------|
| Sales Tax              | 385.12   |
| Total Invoice Amount   | 9,671.99 |
| Payment/Credit Applied |          |
| TOTAL                  | 9,671.99 |

# ALLIED OIL & GAS SERVICES, LLC 060365

**REMITTO P.O. BOX 93999** 

| REMIT TO P.O. BOX 93999<br>SOUTHLAKE, TEXAS 76092      | SERVICE POINT:   |
|--|--|
| POOTITIVED TEVAS 10035                                 | Great Berly KS   |
| DATE 3-24-13 SEC. TWP. RANGE 24.5 Page                 | CALLED OUT ON LOCATION JOB START JOB FINISH 6:00AM 8:30AM 9:30 AM            |
| LEASEBORNhold+ WELL# LOCATION West on                  | sley North on 90 the like COUNTY STATE Grd 144mile, South Inteles Edwards KK |
| OLD OR NEW (Circle one) (58m)                          | 2.7.5. 1.7. C. Day 14 IN 18 Sep. Pro- Marco 1953                             |
| CONTRACTOR Duke 7                                      |  |
| TYPE OF JOB: Surface Costing                           | OWNER CMX; Inc.  |
| HOLE SIZE 12 /4 T.D. 406 ft                            | CEMENT   |
| CASING SIZE 85/8" Z4# DEPTH 380.03 F+                  | AMOUNT ORDERED 250 56 "A" +3% Cool   |
| TUBING SIZE DEPTH                                      | +2% Gel  |
| DRILL PIPE DEPTH                                       |  |
| TOOL DEPTH   | - 0  |
| PRES. MAX MINIMUM                                      | COMMON 250 @ 17-90 V.475.4   |
| MEAS. LINE SHOE JOINT 20 F+                            | PUZMIX @   |
| CEMENT LEFT IN CSG. 20 ft, 1.17L661, 5.3 sx            | GEL 5 @23.40 117-05  |
| PERFS.   | CHLORIDE 9 @ 64.60 今76、空   |
| DISPLACEMENT 23.5661 Fresh Water                       | ASC@   |
| EQUIPMENT  | <u> </u>   |
|  | @  |
| PUMPTRUCK CEMENTER Charles Elicites                    | <u></u> @  |
| # 606 HELPER Patrick Halgarson + Keuin Ede             | ,, <del></del> @   |
| BULK TRUCK   | ·  |
| # 599 DRIVER Kevin Weighous                            |  |
| BULK TRUCK   |  |
| # DRIVER   | HANDLING 27 \ @ Z \ 48   |
|  |  |
| DEM L DVO  |  |
| REMARKS:   | TOTAL 6-948.   |
| Pump 5 bbls Fresh Water                                |  |
| Mil + Aunp 60bbls Comount (250sx)                      | SERVICE  |
| Orep Plug  | <u></u>  |
| Displace with 23.5 bbls Fresh Water                    | DEPTH OF JOB 3 &Q  |
| Leave 20th, 1,27661, 5,351 Coment in Casting           | PUMPTRUCK CHARGE 1512.35   |
| Circulate 556b, 21st Cement to Surface                 | EXTRA FOOTAGE@   |
| Plug Down @ 9:15 AM                                    | MILEAGE NUM 35 @7.70 269.90  |
|  | MANIFOLD@  |
|  | Lum 35 @4.40 /54.00  |
|  | Head Rent @ 275,00 775,00  |
| CHARGE TO: CHX, Inc.                                   |  |
| •  | TOTAL 3.216.2  |
| STREET   | - <del></del>  |
| CITYSTATEZIP   |  |
|  | PLUG & FLOAT EQUIPMENT   |
|  |  |
|  | 85/5" Wooden Flug @ 107.64 107.64  |
|  | @  |
| To: Allied Oil & Gas Services, LLC.                    | <u></u> @  |
| You are hereby requested to rent cementing equipment   | @  |
| and furnish cementer and helper(s) to assist owner or  |  |
| contractor to do work as is listed. The above work was |  |
| done to satisfaction and supervision of owner agent or | TOTAL 107.64   |
| contractor. I have read and understand the "GENERAL    |  |
| TERMS AND CONDITIONS" listed on the reverse side.      | SALES TAX (IF Any)  TOTAL CHARGES 9. 2.86.3.2.  DISCOVENT IN PAID IN 30 DAYS |
| TERMS AND COMMITTONS INSIGN ON the reverse side.       | 9, 2×6, 35   |
| 11-  | TOTAL CHARGES  |
| PRINTED NAME Coled D How                               | DISCOUNT IF PAID IN 30 DAYS  |
|  | DISCOUNT IF PAID IN 30 DAYS  |
| 2100   | 6,000,   |
| SIGNATURE TO A   |  |