

#### Kansas Corporation Commission Oil & Gas Conservation Division

#### 1056718

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 SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): | 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: Original Total Depth: Conv. to ENHR                                 | Chloride content: ppm Fluid volume: bbls  Dewatering method used:  |
| Plug Back: Plug Back Total Depth   | Location of fluid disposal if hauled offsite:  |
| Commingled Permit #:   | Operator Name:   |
| Dual Completion Permit #:  | Lease Name: License #:   |
| SWD Permit #:  | QuarterSec TwpS. R East West   |
| ENHR Permit #:   | County: Permit #:  |
| GSW 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 Approved by: Date:        |  |  |  |  |  |  |

Side Two



| Operator Name:   |  |                                     |                                | _ Lease N            | lame:                  |                        |   | Well #:           |          |                         |
|--|--|-------------------------------------|--------------------------------|----------------------|------------------------|------------------------|---|-------------------|----------|-------------------------|
| Sec Twp  | S. R   | East                                | West                           | County:              |                        |                        |   |                   |          |                         |
| INSTRUCTIONS: Sh<br>time tool open and clo<br>recovery, and flow rate<br>line Logs surveyed. A | osed, flowing and shu<br>es if gas to surface te | t-in pressures,<br>st, along with f | whether sh<br>inal chart(s     | nut-in press         | ure reach              | ed static level,       | hydrostatic pres                          | ssures, bottom h  | ole temp | erature, fluid          |
| Drill Stem Tests Taker<br>(Attach Additional S   |  | Yes                                 | No                             |                      | Log                    | y Formation            | n (Top), Depth a                          | nd Datum          |          | Sample                  |
| Samples Sent to Geo  | logical Survey                                   | Yes                                 | No                             |                      | Name                   |                        |   | Тор               | I        | Datum                   |
| Cores Taken<br>Electric Log Run<br>Electric Log Submitte<br>(If no, Submit Copy                | d Electronically                                 | Yes Yes Yes                         | ☐ No<br>☐ No<br>☐ No           |                      |                        |                        |   |                   |          |                         |
| List All E. Logs Run:  |  |                                     |                                |                      |                        |                        |   |                   |          |                         |
|  |  | Report all                          | CASING I                       |                      | New                    | Used mediate, producti | on, etc.                                  |                   |          |                         |
| Purpose of String  | Size Hole<br>Drilled                             | Size Ca<br>Set (In C                | sing                           | Weigi<br>Lbs. /      | ht                     | Setting<br>Depth       | Type of<br>Cement                         | # Sacks<br>Used   | , ,,     | and Percent<br>dditives |
|  |  |                                     |                                |                      |                        |                        |   |                   |          |                         |
|  |  | AI                                  | DDITIONAL                      | CEMENTIN             | G / SQUE               | EZE RECORD             |   |                   |          |                         |
| Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone                                  | Depth<br>Top Bottom                              | Type of Co                          | ement                          | # Sacks              | Used                   |                        | Type and                                  | Percent Additives |          |                         |
|  |  |                                     |                                |                      |                        |                        |   |                   |          |                         |
| Shots Per Foot   | PERFORATI<br>Specify I                           | ON RECORD -<br>Footage of Each      | Bridge Plugs<br>Interval Perfo | s Set/Type<br>orated |                        |                        | cture, Shot, Cemei<br>mount and Kind of N |                   | d<br>    | Depth                   |
|  |  |                                     |                                |                      |                        |                        |   |                   |          |                         |
|  |  |                                     |                                |                      |                        |                        |   |                   |          |                         |
| TUBING RECORD:   | Size:  | Set At:                             |                                | Packer At:           |                        | Liner Run:             |   |                   |          |                         |
| Date of First, Resumed   | Production, SWD or EN                            |                                     | ducing Meth                    | od:                  |                        | as Lift C              | Yes No                                    | 0                 |          |                         |
| Estimated Production<br>Per 24 Hours   | Oil  | Bbls.                               |                                | Mcf                  | Water                  |                        | ols.                                      | Gas-Oil Ratio     |          | Gravity                 |
| DISPOSITIO   | ON OF GAS:                                       |                                     | M                              | IETHOD OF            | COMPLET                | ION:                   |   | PRODUCTIO         | ON INTER | VAL:                    |
| Vented Sold  | Used on Lease                                    | Open                                | Hole (Specify)                 | Perf.                | Dually (<br>(Submit AC |                        | nmingled<br>mit ACO-4)                    |                   |          |                         |



Prepared For:

**Charles N Griffin** 

PO Box 347 Pratt, KS 67124

ATTN: Bruce Reed

#### 22 24 13 Stafford KS

#### #1 Richardson

Start Date:

2011.02.27 @ 07:25:05

End Date:

2011.02.27 @ 15:49:35

Job Ticket #: 041590

DST#: 1

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620



Charles N Griffin

#1 Richardson

PO Box 347 Pratt, KS 67124

22 24 13 Stafford KS

Job Ticket: 041590

**DST#: 1** 

ATTN: Bruce Reed

Test Start: 2011.02.27 @ 07:25:05

#### GENERAL INFORMATION:

Time Tool Opened: 10:07:35

Time Test Ended: 15:49:35

Formation:

LKC "I"

Deviated:

No

Whipstock:

ft (KB)

Test Type:

Conventional Bottom Hole

Tester:

Leal Cason

Unit No:

45

Reference Elevations:

1936.00 ft (KB)

1926.00 ft (CF)

KB to GR/CF:

10.00 ft

Interval:

3725.00 ft (KB) To 3760.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

Start Date:

Start Time:

3760:00 ft (KB) (TVD)

7.88 inchesHole Condition: Good

Serial #: 6798 Press@RunDepth:

Inside

73.33 psig @

07:25:06

2011.02.27

3726.00 ft (KB)

End Time:

End Date:

2011.02.27

Capacity:

8000.00 psig

15:49:35

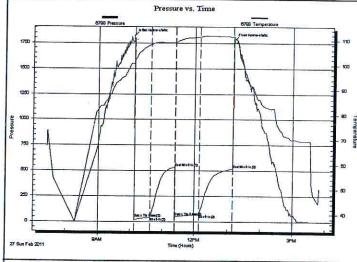
Last Calib .: Time On Btm: 2011.02-27

Time Off Btm:

2011.02.27 @ 10:06:20 2011.02.27 @ 13:10:50

TEST COMMENT: IF: Strong Blow, BOB in 1 minute 45 seconds

ISI: Bled Off, No Blow back FF: Strong Blow, BOB in 1 minute FSI: Bled Off, No Blow back



#### PRESSURE SUMMARY

| L           | PRESSURE SUMMARY |          |         |                      |     |  |  |  |  |
|-------------|------------------|----------|---------|----------------------|-----|--|--|--|--|
|             | Time             | Pressure | Temp    | Annotation           |     |  |  |  |  |
|             | (Min.)           | (psig)   | (deg F) |                      |     |  |  |  |  |
|             | 0                | 1820.59  | 100.59  | Initial Hydro-static |     |  |  |  |  |
|             | 2                | 40.34    | 100.10  | Open To Flow (1)     |     |  |  |  |  |
| 1           | 32               | 43.79    | 108.37  | Shut-In(1)           |     |  |  |  |  |
| 1           | 78               | 537.09   | 109.11  | End Shut-In(1)       |     |  |  |  |  |
| Ten         | 78               | 51.07    | 108.91  | Open To Flow (2)     |     |  |  |  |  |
| Tennegratur | 123              | 73.33    | 111.39  | Shut-In(2)           |     |  |  |  |  |
| 3           | 184              | 521.15   | 111.45  | End Shut-In(2)       |     |  |  |  |  |
| 1           | 185              | 1775.53  | 111.01  | Final Hydro-static   |     |  |  |  |  |
|             |                  |          |         |                      |     |  |  |  |  |
| 1           |                  |          |         |                      |     |  |  |  |  |
|             |                  |          |         |                      |     |  |  |  |  |
|             |                  |          |         |                      |     |  |  |  |  |
|             |                  |          |         |                      |     |  |  |  |  |
| 1           |                  |          |         |                      | - 1 |  |  |  |  |

#### Recovery

| Description                | Volume (bbl)   |
|----------------------------|--|
| GSY OMCW 20%G 4%O 12%M 64% | N0.87  |
| GSY OWCM 20%G 14%O 32%W 34 | %0.87  |
| GSY OCM 20%G 20%O 60%M     | 0.49   |
| 300' GIP                   | 0.00   |
|                            | a  |
|                            |  |
|                            | GSY OMCW 20%G 4%O 12%M 64%<br>GSY OWCM 20%G 14%O 32%W 34<br>GSY OCM 20%G 20%O 60%M |

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 041590

Printed: 2011.03.09 @ 21:22:38 Page 2



Total Volume:

**TOOL DIAGRAM** 

Charles N Griffin

#1 Richardson

PO Box 347

Pratt, KS 67124

Job Ticket: 041590

22 24 13 Stafford KS

DST#: 1

ATTN: Bruce Reed

Test Start: 2011.02.27 @ 07:25:05

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar:

Length:

Length: 3723.00 ft Diameter: 0.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 0.00 inches Volume: 52.22 bbl 0.00 bbl 0.00 bbl Tool Weight:

2100.00 lb Weight set on Packer: 25000.00 lb

52.22 bbl

Tool Chased

Weight to Pull Loose: 65000.00 lb

String Weight: Initial 59000.00 lb

Final 60000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

3725.00 ft

Depth to Bottom Packer: . Interval between Packers: . 35.00 ft Tool Length:

18.00 ft

55.00 ft 2 Diameter:

6.75 inches

Tool Comments:

Number of Packers:

| Tool Description  | Length (ft) | Serial No. | Position   | Depth (ft) | Accum. Lengths | æ"                      |
|-------------------|-------------|------------|--|------------|----------------|-------------------------|
| Shut In Tool      | 5.00        |            | The second secon | 3710.00    |                |                         |
| Hydraulic tool    | 5.00        |            |  | 3715.00    |                |                         |
| Packer            | 5.00        |            |  | 3720.00    | 20.00          | Bottom Of Top Packer    |
| Packer            | 5.00        |            |  | 3725.00    | 20.00          | Bottom Of Top Packer    |
| Stubb             | 1.00        |            |  | 3726.00    |                |                         |
| Recorder          | 0.00        | 6798       | Inside   | 3726.00    |                |                         |
| Recorder          | 0.00        | 8367       | Outside  | 3726.00    |                |                         |
| Perforations      | 31.00       |            |  | 3757.00    |                |                         |
| Bullnose          | 3.00        |            |  | 3760.00    | 35.00          | Bottom Packers & Anchor |
| Total Tool Length | : 55.00     | (8         |  |            | 33.00          | DOMONTI BONETS & ATTOMO |



**FLUID SUMMARY** 

Charles N Griffin

#1 Richardson

PO Box 347 Pratt, KS 67124 22 24 13 Stafford KS

Job Ticket: 041590

DST#:1

ATTN: Bruce Reed

Test Start: 2011.02.27 @ 07:25:05

#### Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Viscosity: 51.00 sec/qt Water Loss: 5.99 in<sup>3</sup>

Resistivity: ohm.m

Salinity: Filter Cake:

Mud Weight:

4000.00 ppm 0.20 inches Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

ft

bbl

psig

Water Salinity: 120000 ppm

#### Recovery Information

#### Recovery Table

| Length<br>ft | Description                  | Volume<br>bbl |
|--------------|------------------------------|---------------|
| 62.00        | GSY OMCW 20%G 4%O 12%M 64%W  | 0.870         |
| 62.00        | GSY OWCM 20%G 14%O 32%W 34%M | 0.870         |
| 35.00        | GSY OCM 20%G 20%O 60%M       | 0.491         |
| 0.00         | 300' GIP                     | 0.000         |

Total Length:

159.00 ft

Total Volume:

2.231 bbl

0

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

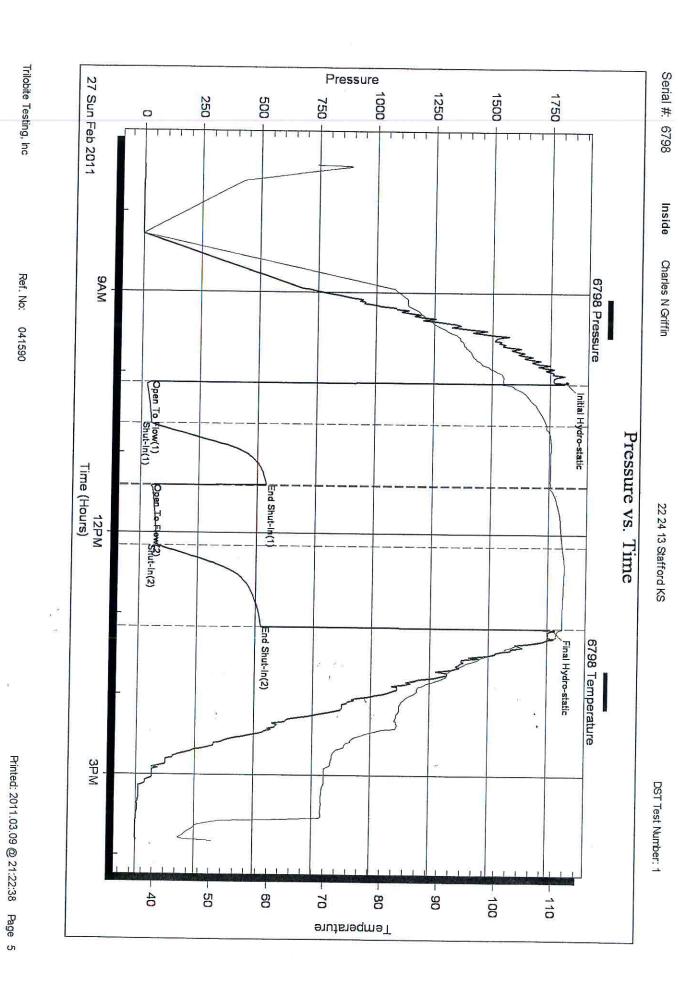
Laboratory Name:

Laboratory Location: Recovery Comments: RW .09 @ 55F = 120000 chlorides

Trilobite Testing, Inc.

Ref. No: 041590

Printed: 2011.03.09 @ 21:22:38 Page 4





Prepared For:

Charles N Griffin

PO Box 347 Pratt, KS 67124

ATTN: Bruce Reed

#### 22 24 13 Stafford KS

#### #1 Richardson

Start Date:

2011.02.28 @ 18:31:06

End Date:

2011.03.01 @ 01:02:36

Job Ticket #: 041591

DST#: 2

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620



Charles N Griffin

#1 Richardson

PO Box 347 Pratt, KS 67124

Job Ticket: 041591

22 24 13 Stafford KS

DST#: 2

ATTN: Bruce Reed

Test Start: 2011.02.28 @ 18:31:06

#### GENERAL INFORMATION:

Formation:

Interval:

Total Depth:

Start Date:

Start Time:

Hole Diameter:

Simpson

Deviated:

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole

Tester:

Leal Cason

Unit No:

45

Reference Elevations:

1936.00 ft (KB)

1926.00 ft (CF)

KB to GR/CF:

10.00 ft

Time Tool Opened: 20:59:21 Time Test Ended: 01:02:36

4065.00 ft (KB) To 4087.00 ft (KB) (TVD)

4087.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good

Serial #: 6798

Inside Press@RunDepth:

16.41 psig @

2011.02.28 18:31:07

4066.00 ft (KB) End Time:

End Date:

2011.03.01 01:02:36 Capacity: Last Calib .: 8000.00 psig

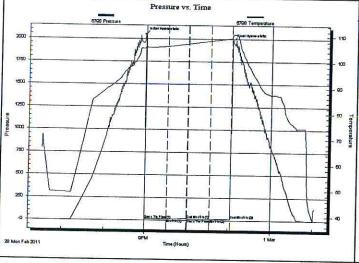
2011.03.01

Time On Btm: Time Off Btm:

2011.02.28 @ 20:58:06 2011.02.28 @ 23:04:21

TEST COMMENT: IF: Weak Surface Blow

ISI: No Blow back FF: Weak Surface Blow FSI: No Blow back



|   |        | PI       | RESSUF  | RE SUMMARY           |
|---|--------|----------|---------|----------------------|
| Γ | Time   | Pressure | Temp    | Annotation           |
| 1 | (Min.) | (psig)   | (deg F) | 9                    |
|   | 0      | 2047.81  | 105.29  | Initial Hydro-static |
|   | 2      | 13.74    | 104.96  | Open To Flow (1)     |
|   | 34     | 17.02    | 106.13  | Shut-In(1)           |
|   | 63     | 19.93    | 107.13  | End Shut-In(1)       |
|   | 63     | 17.25    | 107.13  | Open To Flow (2)     |
|   | 96     | 16.41    | 108.31  | Shut-In(2)           |
|   | 126    | 18.11    | 109.30  | End Shut-In(2)       |
|   | 127    | 1977.33  | 110.67  | Final Hydro-static   |
|   | 1      |          |         |                      |
|   |        |          | *       |                      |
|   | - 1    |          |         |                      |
|   |        |          |         |                      |
|   |        |          |         |                      |
| _ |        |          |         |                      |

| Description | Volume (bbl) |
|-------------|--------------|
| ud          | 0.03         |
| 190)        |              |
|             |              |
|             |              |
|             |              |
|             | ud           |

| THE PARTY OF THE P | 27              |                  |
|--|-----------------|------------------|
| Choke (inches)   | Pressure (psig) | Gas Rate (Mcf/d) |

O-- D-4--

Trilobite Testing, Inc.

Ref. No: 041591

Printed: 2011.03.09 @ 21:23:28 Page 2



TOOL DIAGRAM

Charles N Griffin

#1 Richardson

PO Box 347 Pratt, KS 67124

22 24 13 Stafford KS

Job Ticket: 041591

DST#: 2

ATTN: Bruce Reed

Test Start: 2011.02.28 @ 18:31:06

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4063.00 ft Diameter:

0.00 ft Diameter: 0.00 ft Diameter: 3.80 inches Volume: 0.00 inches Volume: 0.00 inches Volume: 56.99 bbl 0.00 bbl 0.00 bbl

56.99 bbl

Tool Weight:

2100.00 lb Weight set on Packer: 25000.00 lb

Weight to Pull Loose: 70000.00 lb

18.00 ft , 4065.00 ft

Depth to Top Packer: Depth to Bottom Packer: . ft Interval between Packers: 22.00 ft

Length:

Tool Length:

Drill Pipe Above KB:

42.00 ft

Total Volume:

Tool Chased String Weight: Initial 60000.00 lb

Final 60000.00 lb

Number of Packers:

Drill Collar:

2 Diameter:

6.75 inches

Tool Comments:

Bottom Packer is a Shale Packer

| Tool Descrip   | otion [            | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths     |                         |
|----------------|--------------------|-------------|------------|----------|------------|--------------------|-------------------------|
| Shut In Tool   |                    | 5.00        |            |          | 4050.00    | 7.00dill. Loligato |                         |
| Hydraulic tool |                    | 5.00        |            |          | 4055.00    |                    |                         |
| Packer         |                    | 5.00        |            |          | 4060.00    | 20.00              | Dallan Of T. D. I       |
| Packer         |                    | 5.00        |            |          | 4065.00    | 20.00              | Bottom Of Top Packer    |
| Stubb          |                    | 1.00        |            |          | 4066.00    |                    |                         |
| Recorder       |                    | 0.00        | 6798       | Inside   | 4066.00    | <i>y</i>           |                         |
| Recorder       |                    | 0.00        | 8367       | Outside  | 4066.00    |                    |                         |
| Perforations   |                    | 18.00       |            | Culoido  | 4084.00    |                    |                         |
| Bullnose       |                    | 3.00        |            |          | 4087.00    | 22.00              | Detter Design O.A.      |
|                | Total Tool Length: | 42.00       |            |          | 4007.00    | 22.00              | Bottom Packers & Anchor |



**FLUID SUMMARY** 

Charles N Griffin

#1 Richardson

PO Box 347 Pratt, KS 67124 22 24 13 Stafford KS Job Ticket: 041591

DST#: 2

ATTN: Bruce Reed

Test Start: 2011.02.28 @ 18:31:06

#### **Mud and Cushion Information**

Mud Type: Gel Chem

Mud Weight:

Viscosity:

Water Loss:

Resistivity:

Salinity: Filter Cake:

9.00 lb/gal 61.00 sec/qt 9.98 in<sup>3</sup>

ohm.m

9000.00 ppm 0.20 inches Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Serial #:

ft

bbl

psig

deg API ppm

Water Salinity:

#### **Recovery Information**

#### Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 2.00         | Mud         | 0.028         |

Total Length:

2.00 ft

Total Volume:

0.028 bbl

Num Fluid Samples: 0 Laboratory Name:

Num Gas Bombs:

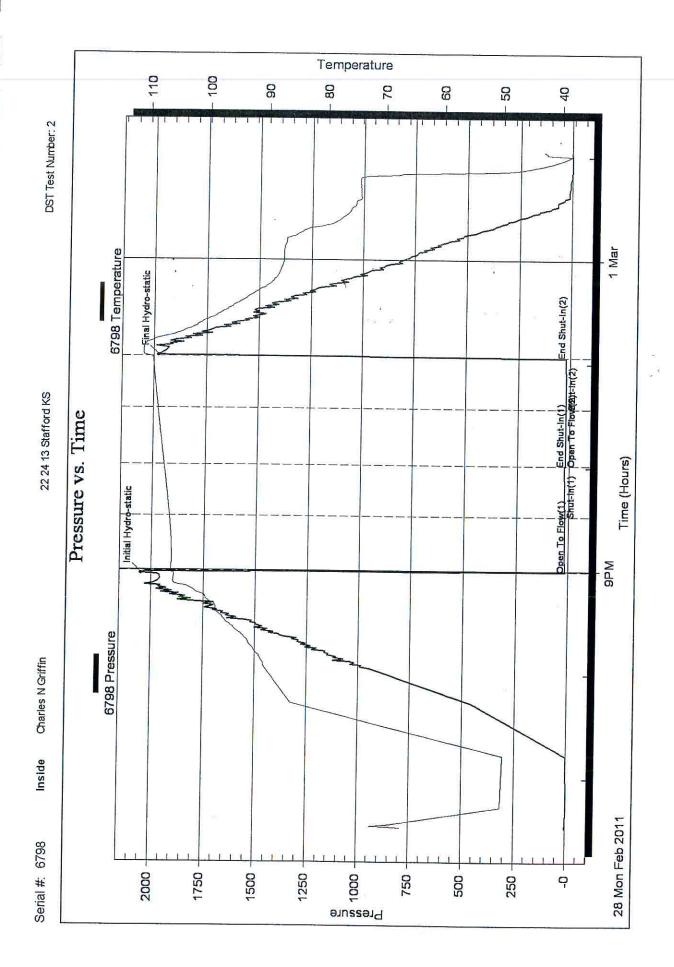
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 041591

Printed: 2011.03.09 @ 21:23:29 Page 4



Ref. No: 041591

Page 5

Printed: 2011.03.09 @ 21:23:29



Prepared For: Charles N Griffin

PO Box 347 Pratt, KS 67124

ATTN: Bruce Reed

#### 22 24 13 Stafford KS

#### #1 Richardson

Start Date: 2011.03.01 @ 08:12:47

End Date:

2011.03.01 @ 14:34:54

Job Ticket #: 041592

DST#: 3

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.03.09 @ 21:24:11 Page 1



Charles N Griffin

#1 Richardson

PO Box 347 Pratt, KS 67124 22 24 13 Stafford KS

Job Ticket: 041592

DST#: 3

ATTN: Bruce Reed

Test Start: 2011.03.01 @ 08:12:47

#### GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole

Time Tool Opened: 10:36:02

Time Test Ended: 14:34:54

Tester:

Leal Cason

Unit No:

45

4090.00 ft (KB) To 4095.00 ft (KB) (TVD)

Reference Elevations:

1936.00 ft (KB)

Interval: Total Depth:

4095.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter:

7.88 inchesHole Condition: Good

KB to GR/CF:

10.00 ft

Serial #: 6798 Press@RunDepth:

Inside

111.19 psig @

4091.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2011.03.01

End Date:

2011.03.01

Last Calib .:

Start Time:

08:12:48

End Time:

14:34:54

Time On Btm:

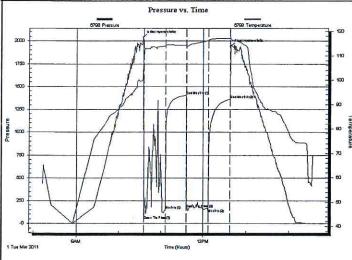
2011.03.01

Time Off Btm:

2011.03.01 @ 10:34:32 2011.03.01 @ 12:38:32

TEST COMMENT: IF: Fair Blow, 5 inches

ISI: Bled Off, No Blow back FF: Fair Blow, Built to 9 1/2 inches FSI: Bled Off, No Blow back



#### PRESSURE SUMMARY

| Time   | Pressure | Temp    | Annotation   |
|--------|----------|---------|--|
| (Min.) | (psig)   | (deg F) | The Committee of the Co |
| 0      | 2039.43  | 101.17  | Initial Hydro-static   |
| 2      | 36.10    | 108.88  | Open To Flow (1)   |
| 32     | 151.46   | 114.05  | Shut-In(1)   |
| 62     | 1404.29  | 114.20  | End Shut-In(1)   |
| 62     | 164.56   | 113.73  | Open To Flow (2)   |
| 93     | 111.19   | 116.16  | Shut-In(2)   |
| 124    | 1363.57  | 117.11  | End Shut-In(2)   |
| 124    | 1941.60  | 117.04  | Final Hydro-static   |
|        |          |         |  |
|        |          |         |  |
|        |          |         |  |

#### Recovery

| ume (bbl) |
|-----------|
| 63        |
| 00        |
|           |
|           |
|           |
|           |
|           |

#### Gas Rates

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



**TOOL DIAGRAM** 

Charles N Griffin

#1 Richardson

PO Box 347 Pratt, KS 67124

22 24 13 Stafford KS

Job Ticket: 041592

**DST#: 3** 

ATTN: Bruce Reed

Test Start: 2011.03.01 @ 08:12:47

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length:

Total Tool Length:

Length: 4094.00 ft Diameter: 0.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume: 0.00 inches Volume: Total Volume:

57.43 bbl 0.00 bbl 0.00 bbl 57.43 bbl

Tool Weight:

2100.00 lb

Weight set on Packer: 25000.00 lb Weight to Pull Loose: 70000.00 lb

Tool Chased

5.00 ft

String Weight: Initial 60000.00 lb

Final 62000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

Drill Collar:

24.00 ft 4090.00 ft

Depth to Bottom Packer: Interval between Packers:

ft 5.00 ft

25.00 ft 2

Diameter:

25.00

6.75 inches

Tool Comments:

Number of Packers:

Tool Length:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |                         |
|------------------|-------------|------------|----------|------------|----------------|-------------------------|
| Shut In Tool     | 5.00        |            |          | 4075.00    |                |                         |
| Hydraulic tool   | 5.00        |            |          | 4080.00    |                |                         |
| Packer           | 5.00        |            |          | 4085.00    | 20.00          | Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4090.00    |                |                         |
| Stubb            | 1.00        |            |          | 4091.00    |                |                         |
| Recorder         | 0.00        | 6798       | Inside   | 4091.00    |                |                         |
| Recorder         | 0.00        | 8367       | Outside  | 4091.00    |                |                         |
| Perforations     | 1.00        |            |          | 4092.00    |                |                         |
| Bullnose         | 3.00        |            |          | 4095.00    | 5.00           | Bottom Packers & Anchor |



**FLUID SUMMARY** 

34 deg API

ppm

Charles N Griffin

#1 Richardson

PO Box 347 Pratt, KS 67124

22 24 13 Stafford KS

Job Ticket: 041592

DST#:3

ATTN: Bruce Reed

Test Start: 2011.03.01 @ 08:12:47

Oil API:

Water Salinity:

#### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

9.00 lb/gal

Viscosity:

61.00 sec/qt 9.97 in<sup>3</sup>

Water Loss: Resistivity:

ohm.m

Salinity: Filter Cake: 9000.00 ppm 0.20 inches Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type: Gas Cushion Pressure: bbl

ft

psig

#### Recovery Information

#### Recovery Table

| Length<br>ft | Description      | Volume<br>bbl |
|--------------|------------------|---------------|
| 45.00        | GSY Oil 5%G 95%O | 0.631         |
| 0.00         | 1071 GIP         | 0.000         |

Total Length:

45.00 ft

Total Volume:

0.631 bbl

Num Fluid Samples: 0

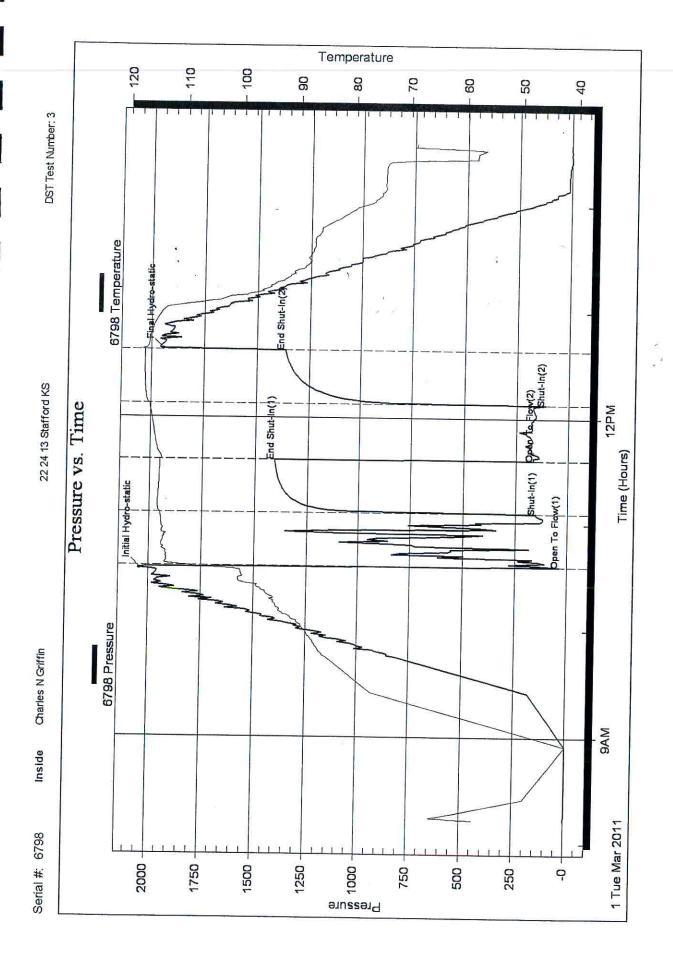
Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Ref. No: 041592

Printed: 2011.03.09 @ 21:24:12 Page 5

1718 - 90539197 FIELD SERVICE TICKET



1718 03199 A

| Service Control of the Control of th |                 |   | hone 620-672-1                           |                       | 35<br>- 12   |          | DATE       | TICKET NO            | :5                  | The state of the s | / a     |           |  |
|--|-----------------|---|--|-----------------------|--|----------|------------|----------------------|---------------------|--|---------|-----------|--|
| DATE OF JOB 3 -  | 2.11            | DISTRICT KANS   | AS                                       |                       | NEW OLD PROD INJ WDW CUSTOMER ORDER NO.:   |          |            |                      |                     |  |         |           |  |
| CUSTOMER (   | Eciff           | : ~ MANAGEA   | nent                                     | Y <sub>V</sub>        | LEASE R  | cha      | dspe       | )                    |                     | WE   | ELL NO. | 1         |  |
| ADDRESS  |                 |   |  |                       | COUNTY   | taffo    | rd 22-     | Y. STATE             | Kar                 | vs   |         | W.        |  |
| CITY   |                 | STATE   |  |                       | SERVICE CI   | REW /    | worth      | 1 1,1,50             | -                   | R  | U. 14   |           |  |
| AUTHORIZED E   | 3Y              | 7   | N N                                      |                       | JOB TYPE:  | 11 1     | -029       |                      | , , ,               | m  | aG 4 is |           |  |
| EQUIPMEN <sup>-</sup>  | T# H            | RS EQUIPMENT#   | HRS                                      | EQU                   | IPMENT#  | HRS      | TRUCK CAL  | LED Z                | DATE                |  | TIN     |           |  |
| 28443  | P.U.            |   |  |                       |  |          | ARRIVED A  | T IOR                | 7 - 11<br>2 -11     |  | M       | 20        |  |
| 27463  | P+ 3            |   |  |                       |  |          | START OPE  | BATION               | V                   |  | W 23    |           |  |
| 19960-199  | 718 -           | 3   |  |                       |  |          | FINISH OPE |                      | 2-1                 | . A  | M       |           |  |
|  |                 |   |  | 10                    | The Company of the Co |          | RELEASED   |                      | 2-1                 |  | M       | 20        |  |
| 45   |                 |   |  |                       | <del>2</del>   | +        |            | - کـ<br>M STATION TO | <u> ス・/</u><br>WELL |  | MOG ?   | 0         |  |
| of the second  | <del></del>     | CONTRACT CONDITIONS: (Th  |  |                       |  |          |            | 1                    |                     | 20   | - m 1   | 1+5       |  |
| products, and/or su<br>become a part of th   | ipplies include | s all of and only those terms an<br>thout the written consent of an | d conditions appear officer of Basic Ene | ring on t<br>ergy Ser | he front and bac<br>vices LP,  |          | IGNED:     | tional or substitute | (in                 |  | -34"    |           |  |
| ITEM/PRICE<br>REF. NO.   | Te s            | MATERIAL, EQUIPMEN  | S USE                                    | ED .                  | UNIT   | QUANTITY | UNIT PRIC  | E                    | \$                  | AMOUN  | T       |           |  |
| P106   | AAA             | cement  |  |                       |  | sk       | 200-       | - N                  |                     | rd :   | 3400.   | D.C.      |  |
| CP103  | 60/             | 10 Poz  | M  |                       |  | SK       | 50 -       |                      |                     | A  | 600.    |           |  |
| <u> </u>   | * 7             |   | Yu                                       |                       |  |          |            | v                    | , a                 |  |         |           |  |
| CC102  | cell            | Flake   | -  | =                     |  | 16       | 50         |                      |                     | K  | 185.    | 00        |  |
| CCIII  | SAIT            | Fine  | 7  | ,                     |  | 16       | 913 -      |                      | 10                  |  | 456.    | 50        |  |
| CC112  | cem             |   | on Rod                                   | uc                    | e <i>r</i>   | 16       | 94 -       |                      |                     | B.   | 564     | 00        |  |
| CC115  | GAS             | 11  |  |                       |  | 14       | 188-       | 1 968                | 20                  | 15   | 986     |           |  |
| CC 201   | GILS            | on, te  |  |                       |  | 16       | 1000       |                      |                     | 13   | 670     | 00        |  |
| CF607  | LATC            | h down Ply  | 15 + Bat                                 | 001                   | -11 "al  | 10 E B   | ,          |                      |                     | 1/1  | 1.      |           |  |
| 61001  | Cene            |   |  | +1e                   | 15/8 BI  |          | 1          | or of                |                     | B  | 3700    | 50        |  |
| F1951  |                 | ofizer 5 1/2  | 1/3/48                                   | 1~                    | Nea  | E11      | 6          |                      |                     | B  | 550     | 00        |  |
| CF 1901  | - 1             | ske+ 5 1/3  | Rly                                      | -                     |  | EH       | 1          |                      |                     | 15   | 290.    | -         |  |
|  |                 | 8.7   | 01                                       |                       |  |          |            | 8                    | 2                   | 40   |         | 2         |  |
| C704   | CS-             | IL KCL SI   | ub                                       |                       |  | GAI      | / -        |                      |                     | H  | 35      | 00        |  |
| CC151  | MUG             | Flysh   |  |                       |  | GAL      | 500        | z *                  |                     | B  | 430.    |           |  |
| CC503  | Decr.           | ck Charge 1   | 5 UP                                     |                       |  | Kn       | 1/         |                      | 4                   | ğ  | 300     | 10-1-10-1 |  |
|  |                 |   |  |                       |  |          |            |                      | No.                 |  |         |           |  |
|  |                 |   | ****                                     |                       | -  | 1        |            |                      |                     | -,3-,  |         | 8         |  |
| CHE  | EMICAL / ACII   | ) DATA:   | 7  |                       |  |          |            | SUB TO               |                     |  |         |           |  |
|  | -MICAL / ACII   | Jana.   |  | SED                   | VICE & EQUIF   | DMENT    | 0/ T A 1   | DLS                  |                     |  |         | - 2-      |  |
|  |                 |   |  |                       | ERIALS   | MENI     |            | X ON \$              |                     |  |         | -         |  |
|  |                 |   | •  |                       | ume (AMA) <del>madi</del> ll   |          | 75.174     |                      | TAL                 |  |         | -         |  |
|  |                 |   | en e |                       |  |          |            | 77                   |                     | 174  | -(1=p=  | May hely  |  |
|  |                 |   |  |                       |  |          |            |                      | 1                   | Tot  | サキキー    | 15        |  |

THE ABOVE MATERIAL AND SERVICE

ORDERED BY CUSTOMER AND RECEIVED BY:

FIELD SERVICE ORDER NO.

REPRESENTATIVE

SERVICE

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

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

#### FIELD SERVICE TICKET

1718 03200 A

|  |            |              | ING & WIRELINE   | one 620-672                            | -1201          |              |             | DATE                 | TICKET NO.          | 0:      | 319   | 91               |           |
|--|------------|--------------|--|--|----------------|--------------|-------------|----------------------|---------------------|---------|-------|------------------|-----------|
| DATE OF<br>JOB 3 - 2   | 2-11       | D            | ISTRICT KANS.  | R-S                                    | 8              | NEW 5        | OLD D       | PROD INJ             | WDW                 |         | USTO  | MER<br>NO.:      |           |
| CUSTOMER (   | Soit       |              | MANAGEM  |  |                | LEASE        | Chare       | dson                 |                     |         | WEI   | LL NO.           | 1         |
| ADDRESS  |            |              |  |  |                | COUNTY S     | 1 00        | Λ                    | 4-14STATE           | KA      | Nes   | 2 <              | -1        |
| CITY   | 3          |              | STATE  |  |                | SERVICE C    | M V m       | Worth                | .wiser              |         |       | N                | 11:X-     |
| AUTHORIZED E   | 3Y         |              | 85   | 7                                      |                | JOB TYPE:    | 5-1/2"/     | 10NS S-              | trins               |         |       |                  | , <u></u> |
| EQUIPMEN   |            | HŖS          | EQUIPMENT#   | HRS                                    | EQU            | JIPMENT#     | HRS         | TRUCK CAL            | LED > =             | DA1     | E Ar  | VI) TII          | ME        |
| 78443  | P.y.       | 5            |  |  |                |              |             | ARRIVED AT           | -                   | 7 /     | / SAN | OF               | 20        |
| 19960-199  | 718        | 3            | - <del> </del>   | +                                      |                |              |             | START OPE            | RATION 7            | 2-1     | / AP  | 4.00             | 18        |
| 17760-17   | 118        | -5           |  | 1                                      |                |              |             | FINISH OPE           | RATION -            | 7-      | // At |                  | 30        |
|  |            |              | 10   | 8                                      |                |              |             | RELEASED             |                     | -2      | // A  |                  | 30        |
|  |            |              |  |  |                |              |             | MILES FROM           | STATION TO          | Later . |       | -mi              | lec       |
| become a part of the   | is contrac | ct without t | f and only those terms and only those terms and only the written consent of an off | licer of Basic En                      | nergy Se       | rvices LP.   | S           | IGNED:<br>(WELL OWNE | ional or substitute |         | s     |                  |           |
| REF. NO.   |            | MA:          | TERIAL, EQUIPMENT  | AND SERVIC                             | ES USI         | ED           | UNIT        | QUANTITY             | UNIT PRIC           | Œ       | \$ /  | AMOUN            | 1T        |
| E100   | UN         | itn          | ulenge Ch  | AGR                                    | Pic            | Kup          | mi          | 20                   | 201                 |         | Þ     | 25.              | 00        |
| F 101  | Hel        | 104          | Eguil mi   | Lenge                                  | chi            | 1150         | mi          | 40                   | -                   |         | 5     | 280              | 00        |
| E 113<br>C F 20 5  | 154        | 16           | bacse y  | Large                                  |                |              | TM          | 231                  |                     |         | 18    | 369.             | 60        |
| C = 240  | RIC        | wdi          | NA TO THE  | 00/-3                                  | 500            | 00           | 5/5         | 250                  |                     |         | B     | 2.5              | 20.0      |
|  |            |              | Jamana   | 1 3000                                 | 216 8          | Chig.        | 23 9        | 250                  |                     |         | /5    | <del>- 3</del> 0 | iou       |
| CE 504   | Plu        | 5 Co         | Supervisor   | 17. LIZA                               | tion           | chq.         | Job         | 1                    | N.                  |         | H     | 7 <              | 0.0       |
| 5003   | Sec        | 2100         | Supervisor   | first                                  | She            | sonLa        | EA          | 1                    | **                  |         | 15    | 17               | - 1       |
|  |            |              | **************************************   |  |                |              | -           |                      |                     |         | -,40  |                  |           |
| No.  | 9.3        |              | ,  | <del></del>                            | - <del>1</del> |              | E X         | a a                  |                     |         |       | 200              |           |
|  |            | *            |  |  |                |              | 3           | . Pro 2011           |                     |         |       |                  |           |
|  | 0,000      |              |  |  |                |              |             |                      |                     |         |       |                  |           |
|  | 3          |              |  |  |                |              |             | 01                   |                     |         |       |                  |           |
|  |            |              |  |  |                | W            |             | n e                  |                     |         |       | -4               |           |
|  |            |              |  |  |                |              |             |                      |                     |         |       |                  |           |
|  |            |              |  |  |                |              | -           |                      |                     |         | -     |                  |           |
|  | ). (100-   |              |  |  |                |              |             |                      | K.                  |         |       |                  | -         |
| CHE  | MICAL /    | ACID DATA    |  | ************************************** |                | <u>.</u>     | <del></del> |                      | SUB TO              | TAL     |       | 32743289         |           |
|  |            |              |  | - K                                    | SER            | VICE & EQUIF | PMENT       | %TAX                 | ON\$                | 7       | 12.4  | /33              | 73        |
| in the second se |            |              | 8  |  |                | ERIALS       | 1.7/        |                      | ON \$               |         |       |                  |           |
|  |            |              |  |  | L              |              | 1 1         |                      | TC                  | DTAL    | 7     |                  |           |
|  |            |              |  |  |                |              |             |                      | n ii                | -A      | 12,5  | 49.              | 13        |

THE ABOVE MATERIAL AND SERVICE

ORDERED BY CUSTOMER AND RECEIVED BY:

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

SERVICE

REPRESENTATIVE



## TREATMENT REPORT

| Customer                |                    |        |              |       | Lea          | se No.  |       | -             |        |                |           | Date    |            |         |                 |             |                  |
|-------------------------|--------------------|--------|--------------|-------|--------------|---------|-------|---------------|--------|----------------|-----------|---------|------------|---------|-----------------|-------------|------------------|
| GC Ff Lease             | NMA                | NAG    | ie m         | eNT   | Wel          |         | ()    |               |        |                |           | Date    | 1 = 3 3    |         | 12747-117       |             | 0 50 60 S        |
| Field Order #           | Statio             | on/    | 9            |       |              | _/      |       | Cosina        |        | 20046          |           | 0       | 3 -        | 2-1     | 1               |             |                  |
| 03199 A<br>Type Job , , | Otatio             | PC     | att          | K     | <u>s</u> .   | *       |       | Casing /      | 12     | Jepti<br>-/    | 099       | Count   | + fa       | ffo.    | rd              |             | State<br>KS      |
| Type 300                | 2 60               | No S   | 5+           | ring  |              |         |       | win           | / Form | ation<br>03    | 'LTO      | )       |            | Legal I | Descripti<br>22 | ion<br>- フタ | -/-3 -           |
| PIPE                    | DATA               |        | PERF         | FORAT | ING D        | ATA     |       | FLUID         | USED   |                |           |         | TREA       | TMENT   | RESU            | JME         |                  |
| Casing Size //          | Tubing Si          | ze s   | Shots/F      | t     | a            | DB      | Acid  | 2%            | , KC   | L              |           | RATE    | PRE        | SS      | ISIP            | )           |                  |
| Depth 9 9               | Depth              |        | rom          | 3     | To /         | 21      | Pre P |               |        | 145            | Мах       |         | 5 Mii      | 5 Min.  |                 |             |                  |
| Volume 7 BG             | Yolume             |        | rom          |       | То           | 201     | Pad   |               | 126    |                | Min       | ₩ G     | 1          |         | 10 Min.         |             |                  |
| Max Press +             | Max Pres           | s F    | rom          |       | То           | 30      | Frac  | 601           | 140    | RA             | Ayg /60/  |         |            | 1       | 15 N            | 1in.        |                  |
| Well Connection         | Annulus V          | ol. F  | rom          |       | То           |         | sKs   | 601           | 40 A   | 90             | THE USEC  | 10/-    | > .        |         | Annı            | ulus Pres   | ssure            |
| 4082                    | Packer De          | epth F | rom          |       | То           |         | Flush | PI            | 120    |                | Gas Volum | ne      |            |         | Total           | Load        |                  |
| Customer Repre          | esentative         | CR.    | 60           | , A.  | J.           | Station | Manag | er'<br>_S < c | otty   | 16             |           | Trea    | ter<br>A// | cw      | R               |             |                  |
| Service Units           | 28443              | 21     | 1.465        | 199   | 601          | 991     | 8     |               |        |                | 47        |         |            |         |                 |             |                  |
| Driver<br>Names (       | werth              | w      | Ser          | JR    |              | lung    |       | McGuir        | o.     |                |           |         |            | 2       |                 | n           |                  |
| Time                    | Casing<br>Pressure | Pres   | oing<br>sure | Bbls. | Pumped       | i       | Ra    | ite           |        | 8              | 7         | (E      | Servi      | ce Log  |                 |             |                  |
| 1130 An                 | И                  |        |              |       |              |         | 447   |               | ONL    | 0 (            | Dis       | CUS     | s <u>(</u> | in fe   | 1, 5            | Setu        | - Plan J         |
| a Mar                   | 1                  |        |              |       |              |         | -     |               | Rig    | In             | yin.      | Jon     | ) لم       | 11:00   | 1               | Ars.        | 7                |
| 1250p                   | m                  |        |              | 9     |              |         |       |               | SFA    | rt             | 5/2       | CA.     | sin        | s /·    | 5-5             | #_          | Shoe             |
|                         | 3                  |        |              |       |              |         | ·     |               | JOIN   | 1+             | 16.9      | ·w      | IPK        | R Sh    | ve L            | , O.        | Baffleco         |
|                         |                    |        | ×            |       |              |         | ***   |               | cen    | t- P           | -2-3-4    | 4-5     | , 1        | SAS     | Ke +            | 00          | 1                |
| 250                     |                    |        |              |       |              |         |       | -             | TAG    | 6              | Potton    | i e     | 41         | 03      | Pic             | Kuf         | + 409            |
| -                       | 8                  | 3      |              |       |              | 4       |       |               | CiR    |                | Hole,     | 90      | od o       | ciR.    | (15             | SIN         | AIR)             |
| 400                     |                    |        |              |       | 120          |         |       |               | Dra    | 2 6            | SAllTo    | )<br>50 | +P         | KR.     | Sho             | e           |                  |
| H15                     | 1860               |        |              |       |              | 75      |       | <i>V</i>      | PKR    |                | Shoe      | Se.     | <i>f</i> a | 9 10    | 100 \$          | 1           | 8                |
|                         | 200                |        |              |       | 00           | N       |       | 5             | Pum    | Pi             | 20 BB     | 42      | %          | KC      | 4               |             | res <sub>k</sub> |
|                         |                    |        |              |       | 12           | -       |       | 5             | Pum    | P              | 12 BE     | 3/5/    | nuc        | 1 FI    | ust             | 1           |                  |
| S & "                   |                    |        |              |       | 3_           | _       |       | 5             | Pun    | n P            | 386       | 315     | Hd         | 056     | PACE            | 0/          |                  |
|                         | -                  |        |              |       | PART NEED AN | +       |       |               | MIX    | 1              | Pump      | 2000    | 00         | SICS    | AA              | 2 0         | 3 15.3           |
| S                       | 1                  |        |              | 4     | 18           | 4       |       | 17            | F.N    | · w            | 11XIN     | L,u     | IAS        | 400     | 11              | Dump        | 0 + Line         |
|                         | #                  |        | $\dashv$     |       |              | -       |       | 0/2           | Prof   | 2/             | L.D. 6    | Jus     | ¥ .        | StA     |                 | 2150        | 9.               |
|                         | 100                |        |              |       | × ,          | +       | -     | 5,            | CAU    | 94             | f Li      | Ff      | PS.        | Iu      | 16              | 6 B         | Bls out          |
| 500                     | 1500               |        |              |       | 77           | +       | 3     | 4             | Plu    | 5 (            | Days.     | 1       | -          | - V P   |                 |             |                  |
|                         |                    |        |              |       |              | +-      |       |               | Reli   | 200            | so PS     | I-      | OK         |         |                 |             |                  |
| 20                      |                    |        |              |       |              |         |       |               | Huy    | <del>,</del> / | RAT /     | Yole    | w          | 30      | 5 5 K.          | 5 60        | 140 800          |
|                         |                    | -      |              |       |              | +       |       |               | 11/45  | - /            | Mous      | 0 K     | 1          | /       |                 |             | 60/4010          |
|                         |                    |        | -            | -     |              | +       |       |               | WAS    |                | PAK       | ACI     | Cup        | 2 84    | 416             |             | m.k              |
| 10244 1                 | IE Phys            | W 6    |              | 0 B   | v 06         | 10      | D     | KO 6          | Job    | (              | Comp      | 1/04    | e          | fin     | NK              | s Al        | EUCAS, J         |
| 10244 N                 | TE ITIWa           | ау о   | Γ P.         | U. B  | X 86         | 13.     | Pratt | , KS 6        | 7124-8 | 501            | 3 • (620) | 6/2     | -120       | T • Fa  | x (62           | U) 672      | 2-5383           |



1718-9053/583

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

## FIELD SERVICE TICKET

1718 03195 A

|                        | PRESSURE PUN     | SERVICES Ph  | one 620-672      |         | or a mercural contract of            | 10     | DATE       | TICKET NO.                 | No.    |                    |               |  |  |  |
|------------------------|------------------|--|------------------|---------|--------------------------------------|--------|------------|----------------------------|--------|--------------------|---------------|--|--|--|
| DATE OF JOB            | 23-11            | DISTRICT KANS  | ns.              |         | NEW 🗹                                | OLD    | PROD IN    | J MDM                      | □ CU:  | STOMER<br>DER NO.: |               |  |  |  |
| CUSTOMER (             | Sciff.           | N MANAGEM  | ent              |         | LEASE                                | Char   | dson       |                            |        | WELL NO            |               |  |  |  |
| ADDRESS                | 9                |  | 31<br>22         | 83      | COUNTY Stafford 22 24-11 STATE KANS. |        |            |                            |        |                    |               |  |  |  |
| CITY                   |                  | STATE  |                  | 10      | SERVICE C                            | REW A. | werth      | Verch,                     | Wise   | r P                | hyp           |  |  |  |
| AUTHORIZED             | ВУ               | 2  | 5 G              |         | JOB TYPE:                            |        | X 4        | FACE                       |        | CNI                | /             |  |  |  |
| EQUIPMEN               |                  | EQUIPMENT#   | HRS              | EQU     | PMENT#                               | HÁS    | TRUCK CAL  | LED 2-                     | 22-//  |                    | TIME<br>//3c  |  |  |  |
| 28443                  | 8-4 1/2          |  |                  |         | - 3                                  |        | ARRIVED A  |                            | 7.3 // |                    | 115           |  |  |  |
| 19960-19               | 918 1/2          |  | -                | 47      | 1.                                   |        | START OPE  |                            | - 23-1 | I AM               | 730           |  |  |  |
|                        | /2               |  |                  |         |                                      | (a)    | FINISH OPE | RATION 7                   | 23-1   | AM                 | 800           |  |  |  |
|                        |                  |  |                  | 13 Tal  |                                      |        | RELEASED   |                            |        | AM                 | 900           |  |  |  |
| 1 12                   |                  |  |                  |         | ×                                    |        | MILES FROM | M STATION TO               |        | J0-m               | 1100          |  |  |  |
| ITEM/PRICE<br>REF. NO. |                  | MATERIAL, EQUIPMENT  | AND SERVIC       | CES USE | D                                    | UNIT   | (WELL OWN  | ER, OPERATOR,<br>UNIT PRIC |        | CTOR OR            | 2.0           |  |  |  |
| CP100                  | Comm             | THE PROPERTY OF THE PARTY OF TH | STATE OF A PARTY |         | _                                    | SK     | 200        | OMETERIC                   |        | 3200               | 8 3           |  |  |  |
|                        |                  |  | 3 9              |         |                                      |        | 400        |                            |        | 2000               | <i>5.</i> 0 c |  |  |  |
| CC102                  | cell 1           | -IAKe  | 20               | 8       |                                      | 1/6    | 50-        |                            | ß      | 185                | 00            |  |  |  |
| CC109                  | CALCIC           | im chlori  | de               |         |                                      | 16     | 376        |                            | 03     | 94.                | 80            |  |  |  |
| 0 - 1 - 3              |                  |  | -n-              | - (-)   | _,                                   |        |            |                            |        |                    |               |  |  |  |
| CF153                  | Woode            | en coment  | Plus             | 83/8    | 3                                    | EA     | 1          |                            | 16     | 160                | 00            |  |  |  |
| 5100                   | unit,            | milenge C  | 1.0000           | 1       | ckin                                 | 1      | 70         |                            | -      | 6                  | 00            |  |  |  |
| E101                   | 1                | Equip mi   | leage            | 06      | ALSP                                 | mi     | 40         |                            | 1 2    | 820                | 00            |  |  |  |
| E113                   | Bulk             | 1 1 . 1  | Charg            |         | · · · ·                              | TM     | 188        | - A-1                      | 1 1    | 300                | 30            |  |  |  |
| CEJUO                  | Depth            | Charga c   | 7-580            | >′      |                                      | 4-41   | 1          |                            | B      | 1000               | 00            |  |  |  |
| CEZYO                  | BLOND            | int +m. Vir  | 5 Ser            | vice    | chg                                  | SK     | 200        |                            | 15     | 280                | · 00          |  |  |  |
| CE564                  | 17145            | CONTRINE   | & Util           | 12A     | tion chy                             | Job    | 1          |                            | 18     | 250.               | <b>Φ</b> 0    |  |  |  |
| 5003                   | SPIVICE          | Supervisor   | First            | Shrs    | onla.                                | EA     | 1          |                            | \$     | 125.               | 00            |  |  |  |
|                        |                  |  |                  |         |                                      | - Fr   |            |                            | -      |                    |               |  |  |  |
|                        |                  |  |                  |         |                                      |        |            |                            |        |                    | _             |  |  |  |
|                        | 3                |  |                  |         |                                      |        |            |                            |        |                    | -             |  |  |  |
| CHE                    | MICAL / ACID DA  | TA   | En F             | 3       | ·                                    |        | 9X 11      | SUB TO                     | OTAL   |                    |               |  |  |  |
| One                    | INIOAL / ACID DA | MA.  |                  | SERV    | ICE & EQUIP                          | MENT   | 0/ TAN     | ( ON ¢                     |        |                    |               |  |  |  |
|                        |                  |  |                  |         | RIALS                                | MILINI |            | ON \$                      |        |                    | -             |  |  |  |
|                        |                  |  |                  | L       |                                      |        |            |                            | TAL    |                    |               |  |  |  |
|                        | F # 8            |  |                  |         |                                      |        |            | DI                         | _5 A   | 473.               | 7 9           |  |  |  |

THE ABOVE MATERIAL AND SERVICE

ORDERED BY CUSTOMER AND RECEIVED BY:

FIELD SERVICE ORDER NO.

REPRESENTATIVE

SERVICE

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



## TREATMENT REPORT

| Customor          | fin m              | ANASO  | mont    | Lease No |                                       |   |                              | -          | Date    |              |                         |             |
|-------------------|--------------------|--|---------|----------|---------------------------------------|---|------------------------------|------------|---------|--------------|-------------------------|-------------|
| ASCA              | 60-01-             | - 1  |         | Well #   |                                       | ·,  |                              |            | -7      | . 77         | 11                      |             |
| Field Order #     | Station            | DIAH   | o 0     |          |                                       | Casing  | /s D                         | epth       | County  | -23-<br>Stos | Ford                    | State       |
| Type Job          | 5/8                | SUF-   | FACE    | , E      |                                       | CNW   | Forma                        | tion 240   | 7       | Legal D      | escription<br>2 - 7 4 - | 7.2         |
| PIPE              | DATA               | PER  | FORATII | NG DATA  |                                       | FLUID   | USED                         |            | TRE     | EATMENT      | RESUME                  |             |
| Casing Size       | Tubing Siz         | ze Shots/  | Ft      | a o c    | Acio                                  | cs c  | Comn                         | 1022       | BATE PI | RESS #       | LISIP                   | 15.6#       |
| Depth 33          | → S   From   Io    |  |         |          | Pad                                   | 1   | Max                          |            | / /     | 5 Min.       |                         |             |
| Volume 1/2        | Volume             | From   | 1       | Го       | Pad                                   |   | 9 1                          | Min        | _       |              | 10 Min.                 | 3           |
| Max Press         | Max Press          | From   |         | Го       | Frac                                  | 3   |                              | Avg        |         |              | 15 Min.                 |             |
| Well Connectio    |                    | From   | 1       | Го       | 1                                     | w <sup>it</sup> is  | HHP                          |            | ed      |              | Annulus Pr              | essure      |
| Plug Depth/       | Packer De          | From   | 1       | Го       |                                       | sp H  | 20                           | Gas Volu   | me      |              | Total Load              |             |
| Customer Rep      | resentative        |  |         | Station  | n Mana                                | ager Sc   | o Hc                         | 1          | Treater | Alle.        | N F.C                   | certh       |
|                   | 28443              | 27463  |         | 1996     | 0 (                                   | 19918   | /                            |            |         |              | 18                      | 8 <u></u> 8 |
| Driver<br>Names ( | worth              | Vencl  | Lis     | er DAI   | 10 1                                  | Phye  |                              |            |         |              | 8                       |             |
| Time              | Casing<br>Pressure | Tubing<br>Pressure                               | Bbls. F | Pumped   |                                       | Rate  | 01                           | V Sharkers | Se      | ervice Log / | MAUCIC                  | t /06       |
| 115 AM            | 1                  | 41   |         |          | , , , , , , , , , , , , , , , , , , , | 9.0   | on                           | Loc. D.    | Scuss   | SA C         | ty set                  | up Phani    |
| VII               | 33 46              |  |         |          |                                       |   | Ris                          | Drillin    | 101     | 170'         | 11                      | <i>l</i>    |
| 430.              |                    |  |         |          |                                       | 19  | COM                          | oout       | OF H    | 10/00        | of Bit                  | 3           |
| 615               |                    |  | 1       | 5,       | 07                                    |   | STA                          | rt 85/8    | C & 5.  | 23 #         | / *                     |             |
| 725               |                    |  |         |          | 85                                    | - Constitution - Cons | CAS                          | ing        | 2 23:   | 3            |                         | H           |
|                   | 2004               |  |         |          |                                       |   | Bre                          | AKCI       | R. w/   | Pump         | TRUC                    | K           |
| 726               | 200#               |  |         |          | V.                                    | 5/2   | STA                          | it cm      | 1+ m    | x 20         | osks                    |             |
|                   |                    | - 1  |         |          |                                       | 9/  | Co                           | mond       | w/2     | % CC         | 1/4 10                  | C. Fe 15.   |
|                   |                    | 1000   | 4       | 2        | 10                                    | 9   |                              | ish n      |         |              |                         |             |
| 8                 | 4.5                |  | 81      |          | 9                                     |   | Rel                          | PASPO      | wood    | en Pl        | 49.                     |             |
|                   | 200#               |  |         |          |                                       | _5  | StA                          | rt Pis     | P.      |              | V                       |             |
| 745               | 250                |  | 1.      | 3        | 3                                     | 2_  | Ply                          | g dou      | الرد    |              |                         |             |
|                   |                    |  |         |          |                                       | n<br>   | She                          | of Dis     | NO      | we           | 11                      | 1 1 8       |
|                   |                    |  |         |          |                                       |   | RP                           | 1+MSP      | PS:     | I            |                         |             |
|                   | 3                  |  | 9       |          |                                       |   | WAS                          | =h up      | V R     | ack up       | 2901                    | p           |
|                   |                    | <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del> | - (     |          | 6                                     |   | $-\mathcal{I}_{\mathcal{O}}$ | b co       | ing lot | <u>_</u> .   | <i>Q. V.</i>            |             |
|                   |                    |  |         |          |                                       |   | 3 '                          |            |         |              |                         |             |
|                   |                    |  |         |          |                                       |   |                              | 7 "        |         |              | 8 1 7 7                 |             |
|                   |                    |  | W       |          |                                       |   | -11                          | MAK        | \$      |              |                         | 7 -         |
|                   |                    | :4   |         |          |                                       |   |                              | Allenic    | hris,   | Luc          | ps, 6                   | 10/0        |
|                   | 3                  |  |         | 0 8      |                                       |   |                              |            |         | -            |                         | 1           |
| 8                 |                    |  |         |          |                                       |   |                              |            |         |              | :30                     |             |