

Kansas Corporation Commission Oil & Gas Conservation Division

1140497

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 🗌 East 🗌 West |
| Address 2: | Feet from North / South Line of Section |
| City: | Feet from East / West Line of Section |
| Contact Person: | Footages Calculated from Nearest Outside Section Corner: |
| Phone: () | □NE □NW □SE □SW |
| CONTRACTOR: License # | County: |
| Name: | Lease Name: Well #: |
| Wellsite Geologist: | Field Name: |
| Purchaser: | Producing Formation: |
| Designate Type of Completion: | Elevation: Ground: Kelly Bushing: |
| New Well Re-Entry Workover | Total Depth: Plug Back Total Depth: |
| Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): | 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. |
| If Workover/Re-entry: Old Well Info as follows: | |
| Operator: Well Name: | Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) |
| Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW | Chloride content: ppm Fluid volume: bbls Dewatering method used: |
| Plug Back: Plug Back Total Depth | Location of fluid disposal if hauled offsite: |
| Commingled Permit #: Dual Completion Permit #: SWD Permit #: | Operator Name: |
| ☐ ENHR Permit #: ☐ GSW Permit #: | County: Permit #: |
| Spud Date or Date Reached TD Completion Date or Recompletion Date | |

AFFIDAVIT

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

Submitted Electronically

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

Side Two



| Operator Name: | | | Lease Na | ame: | | | _ Well #: | | |
|---|---|---|------------------------------|------------------|------------------|--------------------|-------------------|------------|----------------------|
| Sec Twp | S. R | East West | County: | | | | | | |
| INSTRUCTIONS: Show time tool open and clos recovery, and flow rates ine Logs surveyed. Att | ed, flowing and shut if gas to surface tes | in pressures, whether, along with final cha | er shut-in pressu | ire reached | d static level, | hydrostatic pres | sures, bottom h | ole temper | ature, fluid |
| Drill Stem Tests Taken (Attach Additional Sh | neets) | Yes No | | Log | Formation | n (Top), Depth ar | nd Datum | ☐ Sa | ımple |
| Samples Sent to Geolo | gical Survey | Yes No | | Name | | | Тор | Da | atum |
| Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy) | | Yes No | | | | | | | |
| ist All E. Logs Run: | | | | | | | | | |
| | | CASII Report all strings s | NG RECORD | New ace, interme | Used | on, etc. | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weigh Lbs. / F | | Setting Depth | Type of Cement | # Sacks Used | | d Percent ditives |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | ADDITION | NAL CEMENTING | G / SQUEE | ZE RECORD | | | I | |
| Purpose: —— Perforate —— Protect Casing —— Plug Back TD | Depth Top Bottom | Type of Cement | # Sacks U | Jsed | | Type and I | Percent Additives | | |
| Plug Off Zone | | | | | | | | | |
| Shots Per Foot | PERFORATIO Specify F | ON RECORD - Bridge Footage of Each Interval | Plugs Set/Type Perforated | | | eture, Shot, Cemen | | d | Depth |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| TUBING RECORD: | Size: | Set At: | Packer At: | Li | ner Run: | Yes No | | | |
| Date of First, Resumed P | roduction, SWD or ENF | HR. Producing N | Method: Pumping | Gas | Lift O | ther (Explain) | | | |
| Estimated Production Per 24 Hours | Oil E | Bbls. Gas | Mcf | Water | Bb | ols. | Gas-Oil Ratio | | Gravity |
| DISPOSITION | N OF GAS: | | METHOD OF C | COMPLETIO | N: | | PRODUCTIO | ON INTERVA | AL: |
| Vented Sold | Used on Lease | Open Hole | Perf. | Dually Cor | mp. Com | nmingled | | | |
| (If vented, Subn | | Other (Specify | , | Submit ACO | -5) (Subr | nit ACO-4) | | | |



DRILL STEM TEST REPORT

Dan Haffner

6919 South Road 40 East Hoxie, KS 67740

ATTN: Richard Bell

18-9s-27w Sheridan,KS

Haffner #2-18

Job Ticket: 51701

DST#: 3

Test Start: 2012.12.12 @ 02:04:01

GENERAL INFORMATION:

Formation:

Mississippi

Deviated:

No Whipstock:

ft (KB)

Time Tool Opened: 04:26:46 Time Test Ended: 08:50:46

Interval:

4445.00 ft (KB) To 4491.00 ft (KB) (TVD)

4491.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

Start Date:

Start Time:

7.88 inches Hole Condition: Good

2012.12.12

02:04:03

Test Type: Conventional Bottom Hole (Reset)

Tester:

Jason McLemore

Unit No:

54

Reference Elevations:

2764.00 ft (KB)

2756.00 ft (CF)

KB to GR/CF:

8.00 ft

Serial #: 8366 Press@RunDepth: Inside

38.64 psig @

4451.00 ft (KB) End Date:

End Time:

2012.12.12 08:50:46

Capacity:

8000.00 psig

Last Calib .: Time On Btm:

2012.12.12 2012.12.12 @ 04:26:31

Time Off Btm:

2012.12.12 @ 06:20:16

TEST COMMENT: IFP-Weak Blow, Built to 1 1/4"

ISI-Dead FFP-Dead

Ø Temper

PRESSURE SUMMARY

| Time | Pressure | Temp | Annotation |
|--------|----------|---------|----------------------|
| (Min.) | (psig) | (deg F) | |
| 0 | 2269.63 | 123.99 | Initial Hydro-static |
| 1 | 17.37 | 123.02 | Open To Flow (1) |
| 48 | 38.64 | 126.40 | Shut-In(1) |
| 93 | 1064.33 | 128.44 | End Shut-In(1) |
| 93 | 43.94 | 128.08 | Open To Flow (2) |
| 113 | 49.88 | 128.62 | Shut-In(2) |
| 114 | 2126.87 | 129.19 | Final Hydro-static |
| | | | |
| | | | |
| | | | |
| | | 100 | |
| | | | |
| | | | |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------------|-----------------|--------------|
| 1.00 | Free Oil | 0.00 |
| 61.00 | Mud W/Oil Spots | 0.30 |
| | | 5010 CH . |
| | | 785-026-9420 |
| | | |
| * Recovery from r | multiple tests | |

Gas Rates

Choke (inches) Pressure (psig)

Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 51701

Printed: 2012.12.17 @ 13:48:04



DRILL STEM TEST REPORT

Dan Haffner

18-9s-27w Sheridan,KS

6919 South Road 40 East Hoxie, KS 67740

Haffner #2-18

Job Ticket: 48749

DST#: 1

ATTN: Richard Bell

Test Start: 2012.12.09 @ 13:56:26

GENERAL INFORMATION:

Formation:

E-F No

Deviated:

Whipstock:

ft (KB)

Time Tool Opened: 15:37:26 Time Test Ended: 20:53:26

Interval:

3937.00 ft (KB) To 3963.00 ft (KB) (TVD)

Total Depth:

3963.00 ft (KB) (TVD)

Hole Diameter:

7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Jason McLemore

KB to GR/CF:

Unit No: 54

Reference Elevations:

2764.00 ft (KB)

2756.00 ft (CF)

8.00 ft

Serial #: 8366

Press@RunDepth:

Inside

281.88 psig @

3940.00 ft (KB)

2012.12.09

Capacity: Last Calib .: 8000.00 psig

Start Date: Start Time:

2012.12.09 13:56:28 End Date: End Time:

20:53:26

Time On Btm:

2012.12.09

Time Off Btm:

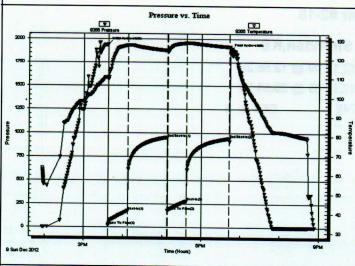
2012.12.09 @ 15:37:11 2012.12.09 @ 18:44:41

TEST COMMENT: IFP-Good Blow, BOB in 9 Min.

ISI-Dead

FFP-Good Blow, BOB in 11 Min.

FSI-Dead



| Ы | PRESSURE SUMMARY | | | | |
|-----------|------------------|------------|--|--|--|
| ure g) | Temp (deg F) | Annotation | | | |

| 1 | Time | Pressure | Temp | Annotation |
|---|--------|----------|---------|----------------------|
| 1 | (Min.) | (psig) | (deg F) | |
| | 0 | 1944.52 | 110.48 | Initial Hydro-static |
| 1 | 1 | 22.05 | 109.42 | Open To Flow (1) |
| 1 | 30 | 176.07 | 127.16 | Shut-In(1) |
| | 91 | 946.79 | 124.52 | End Shut-In(1) |
| 1 | 91 | 180.61 | 124.17 | Open To Flow (2) |
| | 121 | 281.88 | 128.37 | Shut-In(2) |
| ١ | 186 | 941.75 | 126.51 | End Shut-In(2) |
| ١ | 188 | 1883.57 | 124.05 | Final Hydro-static |
| 1 | - | | | |
| ı | | | | |
| ı | | | n. 12 | |
| ١ | | | | |
| ١ | | 1 | in the | |
| - | | | | |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--|----------------|
| 560.00 | Muddy Water | 6.74 |
| | | |
| | | |
| | THE PARTY OF THE P | 100 107 0021 |
| | | OS (5-4-2) (4) |
| | | |

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 48749

Printed: 2012.12.17 @ 13:49:35

SCHIPPERS OIL FIELD SERVICE L.L.C.

654

| DATE 12-12-12 SEC. 18 | RANGE/TWP. 95 27W | CALLED OUT | ON LOCATION | JOB START | JOB FINISH |
|-----------------------|--|---|--|----------------------|------------|
| DAIL SEC. | The Manual Constitution of the State of | The Continue of the Special Street, and the | of the state of th | COUNTY 5D | STATE MS |
| LEASE HATTA | And the second second second | WELL# 2-18 | evaluation is | GEORGE HE HAN | E SEE THE |
| DEADE . | STATE OF THE STATE | · 医克里克斯氏试验 医抗 计图 4 3 8 | 数正见改。据由于 数。 | flan - Jos ton - Kir | The Bull |

| the state of the s | the second secon | The State of the S | | Manager & Control of the Control of | |
|--|--|--|--------------------------|---|-------------------------|
| CONTRACTOR WW 1/2 | | OWNER Dan Hattack | Statute objection | ent to be | R health. |
| TYPE OF JOB Totaly Plus | Here disassingly experienced | and the second section of the second | 10.40 187 194 | of the season | e Trail Library |
| HOLE SIZE 77/8 | T.D. | CEMENT | d army speak | NA THE WAR IN | |
| CASING SIZE | DEPTH | AMONT ORDERED | 205 sks | 60/40 4 | % feel |
| TUBING SIZE | DEPTH | | 1/4/3/86 | Flo-Seal | |
| DRILL PIPE 41/2 | DEPTH | | | | A TO THE REAL PROPERTY. |
| TOOL | DEPTH | | | I Course to the last | |
| PRES. MAX | MINIMUM | COMMON | 123 | @15.50 | 1906.50 |
| DISPLACEMENT | SHOE JOINT | POZMIX | 82 | @ 8.50 | 697.00 |
| CEMENT LEFT IN CSG. | | GEL | 7 | @ 26.00 | 182.00 |
| PERFS | | CHLORIDE | | @ | |
| THE RESERVE AND ASSESSMENT OF STREET | ALCOHOLD STATE SOME VIEW OF | ASC | Fait last Philip | @ | WILLIAM TO THE TANK |
| EQUIPMENT | | Flo-Seal | 51 | @2.25 | 114.75 |
| Deci Manie | | | 3386 FFF F | @ | s because 1 |
| PUMP TRUCK | | | | @ | |
| # / Ja y | | | CHARLES OF S | @ | |
| BULK TRUCK | | | | @ | |
| # / | THE RESIDENCE OF THE PARTY OF T | And off the leading school | Consultation of the last | @ | BURNET . |
| BULKTRUCK P. Shu D | Br A | CONTRACTOR | | @ | |
| # Joseph Jack | | | Carlon and | @ | CATTERNAL TO |
| # torred, but | CAN BE PARK A MUSEUM BANK | HANDLING | 214 | @2.15 | 460.10 |
| | | MILEAGE | 12 | @.10/5k/m1 | 256.80 |
| | | WILEAGE | 100 | | 3617.15 |
| The state of the s | | | | TOTAL | 2011/14 |

| REMARKS 25 565 @ 2370' | SERVICE | | | |
|------------------------|-------------------|-----------------|---------|---------|
| 100 sts @ 1510' | DEPT OF JOB | NE COLUMN | @ | |
| 40 shs @ 310' | PUMP TRUCK CHARGE | 1 | @135000 | 1350.00 |
| 10 3/15 10 40' | EXTRA FOOTAGE | | @ | |
| 30 shs Rat Hole | MILEAGE | 12 | @6.50 | 78.00 |
| 205 sts Total | MANIFOLD | on- Track State | @ | |
| Done a 4:00 p.m. | Light Vehide | 12 | @2.00 | 24.00 |
| | | | TOTAL | 145200 |

| CHARGES TO: Den Mallace | |
|-------------------------|-------|
| STREET | STATE |
| CITY | ZIP |

To: Schippers Oil Field Services L.L.C.

You are hereby requested to rent cementing equipment and furnish staff to assit owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "TERMS AND CONDITIONS" listed on the reverse side.

| PLUG & FLOAT EQUIPMENT | nique an imperiori servicio |
|--|--|
| 85/2 Woodin Plua | @ 79.00 |
| | @ |
| | @ |
| All the state of t | @ |
| 有种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种 | @ |
| The continue of the second of | TOTAL 5148.15 |
| TAX | mer of propagation in |
| TOTAL CHARGE | |
| DISCOUNT (IF PAID IN 20 DAYS) | |
| | A STATE OF THE STA |

SCHIPPERS OIL FIELD SERVICE L.L.C.

12

653

| DATE /2-5-12 SEC. /8 | RANGE/TWP. 95 27W | CALLED OUT | ON LOCATION | JOB START | JOB FINISH | |
|--|--|-----------------------------------|---|-----------------------|--|--|
| Committee to the second second | | Petti Situati Lating and a | to a state of the | COUNTY 5H | STATE 85 | |
| LEASE Hatter WELL# 2-18 | | | | | | |
| THE PARTY OF THE P | | | | | | |
| | CHANGE AND A COLUMN TO THE PARTY OF THE PART | | | THE SHOPE THE | A STATE OF THE STA | |
| CONTRACTOR | WW#/2 | OWNER | letted to area | Marie was 17 am | E glassinia | |
| TYPE OF JOB | Surface | the reasonable of the rains | \$1.000 tol. 153 | Mark Services | Contents | |
| HOLE SIZE /2 /# | T.D. | CEMENT | | the Silver County Sha | | |
| CASING SIZE & 1/8 | DEPTH | AMONT ORDERED | 195 5/5 | COMMON 3 | 9/666 | |
| TUBING SIZE | DEPTH | | 20/0 6 | 1 | | |
| DRILL PIPE | DEPTH | A second processing to a | With Bullet (196) | F 15 15 2 15 | THE TAX | |
| TOOL | DEPTH | | | | Market and the | |
| PRES. MAX | MINIMUM | COMMON | 195 | @/5.50 | 3022.50 | |
| DISPLACEMENT 16 | SHOE JOINT | POZMIX | Carried HA | @ | SUBJECT OF | |
| CEMENT LEFT IN CSG. 15 | PRINCE VIEW IN THE | GEL | 4 | @26.00 | 104.00 | |
| PERFS | | CHLORIDE | 7 | @ 52.00 | 364.00 | |
| of the product of solution to | At 1950 to Oathern Trees | ASC | | @ | | |
| EQUIPMENT | | ele altre asième de cerem | | @ | | |
| | | | ERGNE | @ | T Strained | |
| PUMPTRUCK | | | | @ | | |
| # / | | | COLUMN TO THE REAL PROPERTY. | @ | The state of the s | |
| BULK TRUCK | | | | @ | | |
| # / | | COLUMN TO THE OWNER OF THE PARTY. | the designation of | @ | | |
| BULKTRUCK PILERP | | | | @ | | |
| # Lival | | | DELICKE OF | @ | DITENS. | |
| The second second second second | | HANDLING | 206 | @2.15 | 442.90 | |
| | | MILEAGE MINIARE | 12 | @.10/sh/al | 250,00 | |
| | | who was necessary the both of | a Victing Design | TOTAL | 4183.40 | |
| NAME OF TAXABLE PARTY. | | Contract resemble (Edgal 17) | | | | |
| REMARKS CENERY (| irculated to pil | SERVICE | | Andrew Married | | |
| Done @ 5:30 |) p. m. | DEPT OF JOB | | @ | | |
| | | PUMP TRUCK CHARGE | 1 | @1050.00 | 1050.00 | |
| Charles By January Control | | EXTRA FOOTAGE | | @ | | |
| The second of the last | | MILEAGE | 12 x2 | @ 6.50 | 156.00 | |
| | AND ASSESSED AS A SECOND PORCE. | MANIFOLD | the training from | @ | | |
| | | Light Vehicle | 12 ×2 | @ 2.00 | 48.00 | |
| | | | | TOTAL | 1254.00 | |
| | | | | | A HEAD | |
| CHARGES TO: Dan Hattace | 187 by the same of the | ed civer screen search > | | | | |
| STREET | STATE | Contain Section of | | | | |

To: Schippers Oil Field Services L.L.C.

You are hereby requested to rent cementing equipment and furnish staff to assit owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "TERMS AND CONDITIONS" listed on the reverse side.

| PLUG & FLOAT EQUIPMENT | of the state of th |
|--|--|
| during a start of platform by plants and | @ |
| All distances and are the second | @ |
| THE RESERVE OF STREET | @ |
| of the state of the transplantation of the transplantation of the state of the stat | @ |
| | @ |
| The territory of the second of the second | TOTAL 5437.40 |
| TAX | (1) 2 (2) (2) (2) (2) (2) (2) (3) (4) (4) (5) (2) (4) (4) (5) (4) (5) (5) (5) (5) (5) (5) (5) (5) (5) (5 |
| TOTAL CHARGE | |
| DISCOUNT (IF PAID IN 20 DAYS) | |
| | |

Hoxie Sentinel Print / Form 411

SIGNATURE ale Ofmits

PRINTED NAME