





1167846

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

|  |   |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|--|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used  |                   |                           |                   |               |                |              |                            |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. |                   |                           |                   |               |                |              |                            |
| Purpose of String   | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD  |                  |                |              |                            |
|--|------------------|----------------|--------------|----------------------------|
| Purpose:   | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*  
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*  
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
|                                   |           |         |             |               |         |

|  |   |   |
|--|---|---|
| <b>DISPOSITION OF GAS:</b><br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | <b>METHOD OF COMPLETION:</b><br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____<br><i>(Submit ACO-4)</i> | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|--|---|---|

|           |  |
|-----------|--|
| Form      | ACO1 - Well Completion                   |
| Operator  | SandRidge Exploration and Production LLC |
| Well Name | Brentley 1-6 RE                          |
| Doc ID    | 1167846                                  |

Tops

| Name        | Top  | Datum |
|-------------|------|-------|
| Heebner     | 4392 | -2231 |
| Lansing     | 4565 | -2404 |
| Cherokee    | 5173 | -3012 |
| Mississippi | 5282 | -3121 |
| Kinderhook  | 5962 | -3801 |
| Viola       | 6087 | -3926 |
| Simpson     | 6220 | -4059 |
| Oil Creek   | 6261 | -4100 |
| Arbuckle    | 6270 | -4109 |

## Summary of Changes

Lease Name and Number: Brentley 1-6H

API/Permit #: 15-033-21614-02-00

Doc ID: 1167846

Correction Number: 1

Approved By: NAOMI JAMES

| Field Name    | Previous Value | New Value  |
|---------------|----------------|------------|
| Approved Date | 11/06/2013     | 11/20/2013 |



**CONFIDENTIAL**

**WELL COMPLETION FORM**

**Form Must Be Typed**  
**Form must be Signed**  
**All blanks must be Filled**

**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

|                                   |                 |   |
|-----------------------------------|-----------------|---|
| Spud Date or<br>Recompletion Date | Date Reached TD | Completion Date or<br>Recompletion Date |
|-----------------------------------|-----------------|---|

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

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: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

|  |   |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No<br>List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|--|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used  |                   |                           |                   |               |                |              |                            |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. |                   |                           |                   |               |                |              |                            |
| Purpose of String   | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD  |                  |                |              |                            |
|--|------------------|----------------|--------------|----------------------------|
| Purpose:   | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

|   |  |         |             |                       |
|---|--|---------|-------------|-----------------------|
| Date of first Production/Injection or Resumed Production/Injection: | Producing Method:<br><input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |         |             |                       |
| Estimated Production Per 24 Hours                                   | Oil Bbls.  | Gas Mcf | Water Bbls. | Gas-Oil Ratio Gravity |

|   |   |                                    |
|---|---|------------------------------------|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL:<br>Top Bottom |
|---|---|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record<br><i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |

|                |       |         |            |  |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: |  |
|----------------|-------|---------|------------|--|

|           |  |
|-----------|--|
| Form      | ACO1 - Well Completion                   |
| Operator  | SandRidge Exploration and Production LLC |
| Well Name | Brentley 1-6H                            |
| Doc ID    | 1160314                                  |

Tops

| Name        | Top  | Datum |
|-------------|------|-------|
| Heebner     | 4392 | -2231 |
| Lansing     | 4565 | -2404 |
| Cherokee    | 5173 | -3012 |
| Mississippi | 5282 | -3121 |
| Kinderhook  | 5962 | -3801 |
| Viola       | 6087 | -3926 |
| Simpson     | 6220 | -4059 |
| Oil Creek   | 6261 | -4100 |
| Arbuckle    | 6270 | -4109 |

|           |  |
|-----------|--|
| Form      | ACO1 - Well Completion                   |
| Operator  | SandRidge Exploration and Production LLC |
| Well Name | Brentley 1-6H                            |
| Doc ID    | 1160314                                  |

Perforations

| Shots Per Foot | Perforation Record | Material Record  | Depth     |
|----------------|--------------------|--|-----------|
| 4              | 5973-5977          | CIBP 2 SKS CEMENT<br>ON TOP  | 5960      |
| 4              | 6000-6004          | CIBP 2 SKS CEMENT<br>ON TOP  | 5010      |
| 3              | 5464-5470          | CIBP 2 SKS CEMENT<br>ON TOP  | 5240      |
| 2              | 5274-5334          | Sand & Gel Frac, see<br>attached report  | 5973-6004 |
| 2              | 5325-5334          | Acidizing - 2000 gal<br>15% NEFE HCL w/2<br>non-ironic surfactant,<br>flushed w/30 bbls<br>treated fresh water | 5274-5334 |





Mr. Mike Anderson  
 Brentley #1-6H RE  
 Mississippi Formation  
 Perfs: 5973' - 6004'

SEC 6, TWP 32S, RGE 19W  
 Comanche County, KS  
 Zone 1

Date: 6/21/2013  
 Treated by: BJ Gray  
 Consolidated Oil Well Services, LLC



| Stage # | Design Clean | Fluid Type     | Proppant Type | Start Time Stage Start | Elapsed Time Stage Start | CSG Press (psi) | Actual  |                   | Stage       |              | Cumulative  |              | Proppant   |            | Comments  |
|---------|--------------|----------------|---------------|------------------------|--------------------------|-----------------|---------|-------------------|-------------|--------------|-------------|--------------|------------|------------|---|
|         |              |                |               |                        |                          |                 | Maximum | Slurry Rate (bpm) | Clean (bbl) | Slurry (bbl) | Clean (bbl) | Slurry (bbl) | Prop (ppg) | Stage (lb) |   |
| 1       | 238.1        | 20# Linear Gel | Pad           | 15:00:00               | 0:00:00                  | 2499            | 30      | 112.0             | 112.0       | 112.0        | 112.0       | 0.00         | 0          | 0          | Broke @ 2424@4.5BPM<br>Pressured up to 6000 psi. Would not take fluid. Pumping at 0.5 bpm at 6000 psi.<br>ISIP = 5930 psi, 5 min = 2825 psi, 10 min = 1640 psi, 15 min = 1179 psi |
| 2       | 238.1        | 20# Linear Gel | 20/40 White   | 0:00:00                | #####                    |                 |         | 0.0               | 0.0         | 112.0        | 112.0       | 0.00         | 0          | 0          |   |
| 3       | 178.6        | 20# Linear Gel | Sweep         |                        | #####                    |                 |         | 0.0               | 0.0         | 112.0        | 112.0       | 0.00         | 0          | 0          |   |
| 4       | 119.0        | 20# Linear Gel | 20/40 White   |                        | #####                    |                 |         | 0.0               | 0.0         | 112.0        | 112.0       | 0.00         | 0          | 0          |   |
| 5       | 0.0          | 20# Linear Gel | Sweep         |                        | #####                    |                 |         | 0.0               | 0.0         | 112.0        | 112.0       | 0.00         | 0          | 0          |   |
| 6       | 357.1        | 20# Linear Gel | 20/40 White   |                        | #####                    |                 |         | 0.0               | 0.0         | 112.0        | 112.0       | 0.00         | 0          | 0          |   |
| 7       | 297.6        | 20# Linear Gel | 20/40 White   |                        | #####                    |                 |         | 0.0               | 0.0         | 112.0        | 112.0       | 0.00         | 0          | 0          |   |
| 8       | 238.1        | 20# X-Link     | 20/40 White   |                        | #####                    |                 |         | 0.0               | 0.0         | 112.0        | 112.0       | 0.00         | 0          | 0          |   |
| 9       | 119.0        | 20# X-Link     | 20/40 Resin   |                        | #####                    |                 |         | 0.0               | 0.0         | 112.0        | 112.0       | 0.00         | 0          | 0          |   |
| 10      | 4.8          | 20# Linear Gel | Flush         |                        | #####                    |                 |         | 0.0               | 0.0         | 112.0        | 112.0       | 0.00         | 0          | 0          |   |
| 11      | 87.1         | Treated Water  | Flush         |                        | #####                    |                 |         | 0.0               | 0.0         | 112.0        | 112.0       | 0.00         | 0          | 0          |   |
|         |              |                |               | Shutdown               |                          | 16:15           |         |                   |             | 112.0        |             |              |            |            |   |

|          |              |            |          |             |         |     |
|----------|--------------|------------|----------|-------------|---------|-----|
| Averages | Slurry Rate: | 30         | BPM      | Pressure:   | 2499    | PSI |
| Total    | Time:        | 1:15:00    | HH:MM:SS | Clean Vol.: | 112.0   | BBL |
| Max      | Slurry Rate: | 30.00      | BPM      | Pressure:   | 2499.00 | PSI |
| FG       | ISIP         | 0.43272723 | PSI/FT   |             |         |     |

Job Notes:  
 1 Pumping at 30 bpm then when 105 bbls away formation locked up.  
 2 Pumped at 0.5 bpm at 6000 psi, would not break back.

|               |                          |                       |   |   |   |
|---------------|--------------------------|-----------------------|---|---|---|
| Total Pumped: | 20# Linear G. 20# X-Link | Treated Wate. 15% HCl | 0 | 0 | 0 |
| bbls          | 112                      | 0                     | 0 | 0 | 0 |
| lbs           | 0                        | 0                     | 0 | 0 | 0 |
|               | 20/40 White              | 20/40 Resin           | 0 | 0 | 0 |



Quality Control Report

6/21/2013

**Mr. Mike Anderson**  
 Brentley #1-6H RE  
 SEC 6, TWP 32S, RGE 19W  
 Comanche County, KS  
 API #  
 Perfs: 5973' - 6004'  
 Mississippi Formation  
 Zone 1  
 Prepared by:  
 Greg Hicks

| Tank QC Tests         | Tank 1 | Tank 2 | Tank 4 | Tank 5 | Tank 6 | Tank 7 | Tank 8 | Tank 9 | Average |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Water Temp (deg F)    |        |        |        |        |        |        |        |        |         |
| Viscosity (cp)        |        |        |        |        |        |        |        |        |         |
| pH                    |        |        |        |        |        |        |        |        |         |
| Buffered pH           |        |        |        |        |        |        |        |        |         |
| Cross-Link Time (sec) |        |        |        |        |        |        |        |        |         |

|            |             |              |            |      |
|------------|-------------|--------------|------------|------|
| Base Fluid | Fresh Water | Weight (ppg) | ABS Volume | sp   |
| Proppant   | 20/40 White | 13.36809037  | 0.0456     | 2.65 |

| Chemicals                                 | Component                    | Max Percentage | CAS #       | Amt Used | Design        |       | Variance | Fraction of Frac |        |
|---|------------------------------|----------------|-------------|----------|---------------|-------|----------|------------------|--------|
|   |                              |                |             |          | Concentration | Mgal  |          |                  |        |
| Hydrochloric Acid<br>Acid                 | Hydrogen Chloride            | 38%            | 1-1-7467    | 0        | gallons       | 0     | 0        | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
| SP-650<br>Biocide                         | Methanol                     | 15%            | 67-56-1     | 1        | gallons       | 0.25  | 0.21     | 0.003%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
| GA-41W<br>Gel                             |                              | 0%             |             | 70       | gallons       | 5     | 14.88    | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
| SR-445<br>Surfactant/Stimulation Additive | Isopropanol                  | 30%            | 67-63-0     | 4        | gallons       | 1     | 0.85     | 0.024%           |        |
|   | Citrus Turpenes              | 30%            | 94266-47-4  |          |               |       |          | 0.024%           |        |
|   | 2-Butoxyethanol              | 30%            | 111-76-2    |          |               |       |          | 0.024%           |        |
| CL-142<br>Cross-Linker                    |                              | 0%             |             | 0        | gallons       | 1.5   | 0.00     | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
| LEB-4<br>Liquid Enzyme Breaker            |                              | 0%             |             | 0        | gallons       | 0.05  | 0.00     | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
| Ammonium Persulfate<br>Dry Breaker        | Ammonium Persulfate          | 100%           | 7727-54-0   | 10       | pounds        | 1     | 2.13     | 0.025%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
| Buffer CL<br>Buffering Agent              | Potassium Hydroxide          | 50%            | 1310-58-3   | 0        | gallons       | 0     | 0.00     | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
| Plexset-730<br>Resin Activator            |                              | 0%             |             | 0        | gallons       | 10    | 0.00     | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
| PS-102<br>Scale Inhibitor                 |                              | 0%             |             | 1        | gallons       | 0.25  | 0.21     | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
|   |                              | 0%             |             |          |               |       |          | 0.000%           |        |
|   |                              |                |             | 0        |               | 0     | 0.00     | 0.00%            |        |
| 20/40 White                               | Quartz, (Crystalline Silica) | 100%           | 14808-60-7  | 0        | lb            | 80000 | 0        | -100.0%          | 0.000% |
| 20/40 Resin                               | Quartz, (Crystalline Silica) | 100%           | 14808-60-7  | 0        | lb            | 20000 | 0        | -100.0%          | 0.0%   |
| 0   | Quartz, (Crystalline Silica) | 100%           | 14808-60-7  | 0        | lb            | 0     | 0        | 0.0%             | 0.0%   |
|   |                              |                |             |          |               |       | Average: | -16.8%           |        |
| Total fluid pumped (includes acid)        | 112                          | bbbl           | Avg. Rate   | 30       | BPM           |       |          |                  |        |
| Acid Pumped                               | 0                            | bbbl           | Max. Rate   | 30       | BPM           |       |          |                  |        |
| Fresh water pumped                        | 112                          | bbbl           | Avg. Press. | 2499     | PSI           |       |          |                  |        |
| Total sand pumped                         | 0                            | lbs            | Max. Press. | 2499     | PSI           |       |          |                  |        |

Mr. Mike Anderson  
 Brentley #1-6H RE  
 Mississippi Formation  
 Perfs: 5973' - 6004'

SEC 6, TWP 32S, RGE 19W  
 Comanche County, KS  
 Zone 1

Date: 6/25/2013  
 Treated by: Rusty Peel  
 Consolidated Oil Well Services, LLC



| Stage #  | Design Clean | Fluid Type     | Proppant Type | Start Time Stage Start | Elapsed Time Stage Start | Actual             |                           | Stage              |              | Cumulative  |              | Proppant   |            | Comments   |                 |
|----------|--------------|----------------|---------------|------------------------|--------------------------|--------------------|---------------------------|--------------------|--------------|-------------|--------------|------------|------------|--|-----------------|
|          |              |                |               |                        |                          | CSG Press (psi)    | Maximum Slurry Rate (bpm) | Clean (bbl)        | Slurry (bbl) | Clean (bbl) | Slurry (bbl) | Prop (ppg) | Stage (lb) |  | Cumulative (lb) |
| 1        | 238.1        | 20# Linear Gel | Pad           | 8:22:50                | 0:00:00                  | 2121               | 30.5                      | 253.0              | 253.0        | 253.0       | 0.00         | 0          | 0          |  |                 |
| 2        | 238.1        | 20# Linear Gel | 20/40 White   | 8:34:00                | 0:11:10                  | 1718               | 30.4                      | 238.0              | 243.7        | 491.0       | 0.53         | 5293       | 5293       |  |                 |
| 3        | 178.6        | 20# Linear Gel | Sweep         | 8:41:51                | 0:19:01                  | 1720               | 30.5                      | 177.0              | 177.0        | 668.0       | 0.00         | 0          | 5293       |  |                 |
| 4        | 119.0        | 20# Linear Gel | 20/40 White   | 8:47:39                | 0:24:49                  | 1701               | 30.4                      | 117.0              | 122.4        | 785.0       | 1.01         | 4951       | 10244      |  |                 |
| 5        | 178.6        | 20# Linear Gel | Sweep         | 8:51:41                | 0:28:51                  | 1730               | 30.4                      | 180.0              | 180.0        | 965.0       | 0.00         | 0          | 10244      |  |                 |
| 6        | 357.1        | 20# Linear Gel | 20/40 White   | 8:57:37                | 0:34:47                  | 1738               | 30.4                      | 357.0              | 373.7        | 1322.0      | 1.03         | 15374      | 25618      |  |                 |
| 7        | 297.6        | 20# Linear Gel | 20/40 White   | 9:09:54                | 0:47:04                  | 1763               | 30.4                      | 296.0              | 323.1        | 1618.0      | 2.01         | 24980      | 50598      |  |                 |
| 8        | 238.1        | 20# X-Link     | 20/40 White   | 9:20:34                | 0:57:44                  | 2190               | 30.6                      | 236.0              | 268.2        | 1854.0      | 3.00         | 29688      | 80296      |  |                 |
| 9        | 119.0        | 20# X-Link     | 20/40 Resin   | 9:29:31                | 1:06:41                  | 5002               | 29.7                      | 127.0              | 144.2        | 1981.0      | 2.97         | 15866      | 96162      | Stayed at 3.0 ppg for resin coated sand because pressure was increasing. Ran longer volume to get rid of all resin coat sand |                 |
| 10       | 4.8          | 20# Linear Gel | Flush         | 9:34:35                | 1:11:45                  | 5232               | 3.7                       | 3.0                | 3.0          | 1984.0      | 0.00         | 0          | 96162      | Went to flush early, pressure increased  |                 |
| 11       | 87.1         | Treated Water  | Flush         | 9:34:35                | 1:11:45                  |                    |                           | 0.0                | 0.0          | 1984.0      | 0.00         | 0          | 96162      | Screened out at 127 bbls into Resin coat   |                 |
|          |              |                |               |                        |                          | Shutdown           |                           |                    |              |             |              |            |            |  |                 |
| Averages |              |                |               |                        |                          | Slurry Rate: 27.7  | BPM                       | Pressure: 2491.5   | PSI          |             |              |            |            |  |                 |
| Total    |              |                |               |                        |                          | Time: 1:12:40      | HH:MM:SS                  | Clean Vol.: 1984.0 | BBL          |             |              |            |            |  |                 |
| Max      |              |                |               |                        |                          | Slurry Rate: 30.60 | BPM                       | Pressure: 5232.00  | PSI          |             |              |            |            |  |                 |
| FG       |              |                |               |                        |                          | ISIP: 3653         | 5-min                     | 365                |              |             |              |            |            |  |                 |
|          |              |                |               |                        |                          | 1.044512741        | PSI/FT                    |                    |              |             |              |            |            |  |                 |

Slurry Vol.: 22019 BBL

Total Pumped: 20# Linear G, 20# X-Link, Treated Watk 15% HCl  
 bbls 1.621 363 0 0 0 0

20/40 Whites 20/40 Resin  
 lbs 80296 15866 104523

- Job Notes:
- 1 Pressure tested to 8216 psi
  - 2 Opening wellhead pressure is 0 psi
  - 3 Screened out at 127 bbls into 3.0 ppg resin coat sand
  - 4 Put around 4500 lbs of resin into formation before screening out.
  - 5 ISIP = 3653 psi, 5 Min = 365 psi, 10 Min = 177 psi, 15 Min = 162 psi
  - 6
  - 7
  - 8
  - 9
  - 10
  - 11
  - 12
  - 13
  - 14
  - 15
  - 16
  - 17
  - 18
  - 19
  - 20



Quality Control Report

6/25/2013

**Mr. Mike Anderson**  
 Brentley #1-6H RE  
 SEC 6, TWP 32S, RGE 19W  
 Comanche County, KS  
 API #  
 Perfs: 5973' - 6004'  
 Mississippi Formation  
 Zone 1  
 Prepared by:  
 Greg Hicks

| Tank QC Tests         | Tank 1 | Tank 2 | Tank 4 | Tank 5 | Tank 6 | Tank 7 | Tank 8 | Tank 9 | Average |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Water Temp (deg F)    |        |        |        |        |        |        |        |        |         |
| Viscosity (cp)        |        |        |        |        |        |        |        |        |         |
| pH                    |        |        |        |        |        |        |        |        |         |
| Buffered pH           |        |        |        |        |        |        |        |        |         |
| Cross-Link Time (sec) |        |        |        |        |        |        |        |        |         |

|            |             |              |            |      |
|------------|-------------|--------------|------------|------|
| Base Fluid | Fresh Water | Weight (ppg) | ABS Volume | sp   |
| Proppant   | 20/40 White | 13.36809037  | 0.0456     | 2.65 |

| Chemicals                                 | Component                    | Max Percentage | CAS #       | Amt Used    | Concentration/Mgal |        | Variance | Fraction of Frac |
|---|------------------------------|----------------|-------------|-------------|--------------------|--------|----------|------------------|
|   |                              |                |             |             | Design             | Actual |          |                  |
| Hydrochloric Acid<br>Acid                 | Hydrogen Chloride            | 38%            | 1-1-7467    | 0 gallons   | 0                  | 0      | 0.00%    | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
| SP-650<br>Biocide                         | Methanol                     | 15%            | 67-56-1     | 25 gallons  | 0.25               | 0.30   | 20.01%   | 0.004%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
| GA-41W<br>Gel                             |                              | 0%             |             | 419 gallons | 5                  | 5.03   | 0.57%    | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
| SR-445<br>Surfactant/Stimulation Additive | Isopropanol                  | 30%            | 67-63-0     | 85 gallons  | 1                  | 1.02   | 2.01%    | 0.023%           |
|   | Citrus Turpenes              | 30%            | 94266-47-4  |             |                    |        |          |                  |
|   | 2-Butoxyethanol              | 30%            | 111-76-2    |             |                    |        |          |                  |
| CL-142<br>Cross-Linker                    |                              | 0%             |             | 23 gallons  | 1.5                | 1.51   | 0.57%    | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
| LEB-4<br>Liquid Enzyme Breaker            |                              | 0%             |             | 4 gallons   | 0.05               | 0.05   | -3.99%   | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
| Ammonium Persulfate<br>Dry Breaker        | Ammonium Persulfate          | 100%           | 7727-54-0   | 110 pounds  | 1                  | 1.32   | 32.01%   | 0.012%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
| Buffer CL<br>Buffering Agent              | Potassium Hydroxide          | 50%            | 1310-58-3   | 0 gallons   | 0                  | 0.00   | 0.00%    | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
| Plexset-730<br>Resin Activator            |                              | 0%             |             | 45 gallons  | 10                 | 2.95   | -70.48%  | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
| PS-102<br>Scale Inhibitor                 |                              | 0%             |             | 22 gallons  | 0.25               | 0.26   | 5.61%    | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
|   |                              | 0%             |             |             |                    |        |          | 0.000%           |
|   |                              |                |             | 0           | 0                  | 0.00   | 0.00%    |                  |
| 20/40 White                               | Quartz, (Crystalline Silica) | 100%           | 14808-60-7  | 80296 lb    | 80000              | 80296  | 0.4%     | 8.963%           |
| 20/40 Resin                               | Quartz, (Crystalline Silica) | 100%           | 14808-60-7  | 15866 lb    | 20000              | 15866  | -20.7%   | 1.8%             |
| 0   | Quartz, (Crystalline Silica) | 100%           | 14808-60-7  | 104523 lb   | 0                  | 104523 | 0.0%     | 11.7%            |
|   |                              |                |             |             | Average:           |        | -2.4%    |                  |
| Total fluid pumped (includes acid)        | 1984                         | bbbl           | Avg. Rate   | 28          | BPM                |        |          |                  |
| Acid Pumped                               | 0                            | bbbl           | Max. Rate   | 31          | BPM                |        |          |                  |
| Fresh water pumped                        | 1984                         | bbbl           | Avg. Press. | 2492        | PSI                |        |          |                  |
| Total sand pumped                         | 200685                       | lbs            | Max. Press. | 5232        | PSI                |        |          |                  |

201700  
 Total Weight of Frac (lbs) 895,822

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/>

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

Sam Brownback, Governor

September 28, 2013

Wanda Ledbetter  
SandRidge Exploration and Production LLC  
123 ROBERT S. KERR AVE  
OKLAHOMA CITY, OK 73102-6406

Re: ACO1  
API 15-033-21614-01-00  
Brentley 1-6H  
NW/4 Sec.06-32S-19W  
Comanche 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,  
Wanda Ledbetter